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**Plenary of the Intergovernmental Science-Policy Platform on
Biodiversity and Ecosystem Services**

First session

Bonn, Germany, 21-26 January 2013

Item 2 (b) of the provisional agenda*

**Organizational matters: election of officers of the Bureau
of the Plenary of the Platform (chair, vice-chairs and other
Bureau members)**

**Compilation of curricula vitae of proposed officers of
the Bureau**

Note by the secretariat

The annex to the present note, prepared by the secretariat of the United Nations Environment Programme, provides the full curricula vitae of the candidates proposed as officers of the Bureau. They are listed in the same order as in IPBES/1/8/Rev.2 and as reflected on the website of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (www.ipbes.net/plenary/nominations-to-the-bureau.html). The annex has been reproduced as received, without formal editing.

* IPBES/1/1.



Annex

Compilation of curricula vitae of proposed officers of the Bureau

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CURRICULUM VITAE

Personal Information

Name **Gemedo Dalle Tussie**

Date of Birth: December 10, 1972

Citizenship: Ethiopian

Address: Institute of Biodiversity Conservation

P. O. Box (private): 80119, Addis Ababa, Ethiopia.

Tel. 251 11 661 5607 (Office)

Mobile: 251 911 887041 Fax: 251 11 661 3722

E-mail: gemedod@yahoo.com

PLACE OF BIRTH: Arsi Nagelle, Ethiopia.

MARRITAL STATUS: Married

EDUCATION

2001-2004 Georg-August University Göttingen, Germany.

1997-1999 School of Graduate Studies, Addis Ababa University, Ethiopia.

1988-1992 Science Faculty, Addis Ababa University, Ethiopia.

1982-1987 Arsi Negelle Senior Secondary School

ACADEMIC QUALIFICATION

Ph.D in Rangeland Ecology (Agricultural Sciences), Georg-August University Göttingen, Germany.

Cumulative GPA of three (Plant ecology, Agroecology and Grass and forage production) examinations: 1.0* (Very good/ magna cum laude)

Title of the Ph.D. thesis: **Vegetation Ecology, Rangeland Condition and Forage Resources Evaluation in the Borana Lowlands, Southern Oromia, Ethiopia.**

Cumulative GPA: 1.0* (Very good/ magna cum laude)

Supervisors: Prof. Dr. Johannes Isselstein and Dr. Brigitte L. Maass

M. Sc in Botanical Sciences (Biology) from Addis Ababa University (July 1999)

Cumulative GPA: 3.69*

* Best attainable 1.0

* Best attainable 4.0

Thesis title: **Tree Seedlings and Saplings in Treefall Gaps and Under Canopy Shades in Shashemene-Munessa Natural Forest.**

Thesis evaluation: **Very good.**

B. Sc. degree in Biology from Addis Ababa University (July 1992).

Appointments

February 2012 – Now Director General, Institute of Biodiversity Conservation.

September 2011 – January 2012 Acting Director General, Institute of Biodiversity Conservation.

2009 - 2011 Director, Genetic Resources Transfer and Regulation Directorate,
Institute of Biodiversity Conservation, Addis Ababa, Ethiopia.

2004 – 2009 Head, Forest Genetic Resources Conservation Department, Institute of Biodiversity Conservation, Addis Ababa, Ethiopia.

2006 - 2010 Visiting Assistant Professor Biology Department, Addis Ababa University

2001 – 2002 Assistant researcher, Borana Pastoral Development Programme/GTZ, Ethiopia.

1999-2000 Botanist, GTZ-Forest Genetic Resources Conservation Project/Institute of Biodiversity Conservation and Research, Ethiopia.

1996-1999 Expert of Training, Primary, Special and Kindergarten Education, Oromia Education Bureau.

1993/94-1996 Head of Woreda Education Office, Oromia Education Bureau.

1992/1993 Teaching Biology at High School.

Work Experience

1. Forest genetic Resources Conservation: I had undertaken the following major activities:

- Coordinated all department activities based on the five years strategic plan of the Institute and annual plan of the Forest Genetic Resources Conservation Department.
- Participated in vegetation data collection, analysis and publication of the findings.

- Actively participated in the prioritization of conservation status of plant species and proposal of conservation strategy
 - Established 6 *ex-situ* field genebanks and 10 *in-situ* conservation sites in the entire country.
 - supervised all activities and staff in the Department.
 - Conducted research related to factors that cause forest degradation
2. As a Visiting assistant Professor of Addis Ababa University, I have been teaching:
 - Rangeland Ecology and Management at postgraduate level since 2006/2007 academic year.
 - Biodiversity Management
 - Fundamentals of Ecology and
 - Phanerogamic Botany at undergraduate level.
 3. I have been supervising thesis works of Postgraduate students (MSc by research) and also have been serving as external examiner for many postgraduate students.
 4. I have conducted plant ecological researches in different agro-ecological zones.
 5. Environmental education and awareness raising activities

TRAINING

I had participated in:

1. UNESCO/ECFF/NCRC training workshop on **Carbon stocks assessment in different landuse types for REDD+** held at Yayu Coffee Forest Biosphere Reserve, Ethiopia from 1 to 20 April 2011. Awarded a Certificate.
2. Access and Benefit Sharing Capacity Development Workshops conducted at regional and international levels starting from 2005 to 2011.
3. Biosafety course and conference: Holistic Foundations for Assessment and Regulation of Genetic Engineering and Genetically Modified Organisms in Tromsø, Norway from 1 to 13 August 2010. And awarded a certificate from GenØk – Centre for Biosafety (Norway).
4. Workshop on Quantitative Ecology at the Abdus Salam International Centre for Theoretical Physics, Trieste, Italy and awarded a certificate.

5. Different seminars and workshops of environmental education with GTZ-PEAP and Oromia Education Bureau as moderator, trainer and trainee.
6. Botanical survey of Rare Plants of Kenya supported by the European Commission and awarded the Earthwatch Fellowship Programme Certificate.
7. Remote sensing and GIS semester course and awarded a certificate.
8. Training on multivariate techniques (awarded certificates for training on CANOCO and SPSS software)
9. Training on Control and management of Invasive Alien Species and awarded a certificate.

PUBLICATIONS

1. Haile Adamu Wale, Tamrat Bekele and Gemedo Dalle. 2012. Floristic diversity, regeneration status, and vegetation structure of woodlands in Metema Area, Amhara National Regional State, Northwestern Ethiopia. *Journal of Forestry Research* **23(3)**: 391- 398. DOI: 10.1007/s11676-012-0275-z.
2. Gemedo Dalle. 2010. Access and Benefits Sharing agreement on teff (*Eragrostis tef*) and its implementation challenges. In: Abenet Girma (ed.). *Teff: The Story of Ethiopia's Biodiversity*. Occasional report No. 5, 2010. Page 19-37. Addis Ababa, Ethiopia.
3. Gemedo Dalle. 2009. Challenges of crop cultivation in pastoral drylands of Ethiopia: Does it contribute to land degradation? *Proceedings of the National Workshop on Sustainable Land Management and Poverty Alleviation*. 18-19 May 2009. CRDA Training Center, Addis Ababa, Ethiopia. Pages 77-83.
4. Gemedo Dalle, B. Maass and J. Isselstein. 2006. Rangeland condition and trend in the semi-arid Borana lowlands, southern Oromia, Ethiopia. ***African Journal of Range and Forage Science*** **23(1)** 49-58.
5. Gemedo Dalle, B. Maass and J. Isselstein. 2005. Plant communities and their species diversity in the semi-arid rangelands of Borana lowlands, southern Oromia, Ethiopia. ***Community Ecology*** Vol. **6(2)**: 167-176.

6. Gemedo-Dalle, B. Maass and J. Isselstein. 2005. Plant biodiversity and ethnobotany of Borana pastoralists in southern Oromia, Ethiopia. **Journal of Economic Botany** Vol. **59** (1): 43-65.
7. Gemedo Dalle Tussie. 2004. Vegetation Ecology, Rangeland Condition and Forage Resources Evaluation in the Borana Lowlands, Southern Oromia, Ethiopia. Georg-August University Goettingen. PhD thesis. Cuvillier Verlag Goettingen, Germany. 241 pp.
8. Gemedo Dalle and Masresha Fetene. 2004. Gapfillers in Munessa-Shashamane Forest, Southern Ethiopia. **Ethiopian Journal of Biological Sciences** **3**(1):1-14.
9. Gemedo-Dalle, J. Isselstein and B. Maass. 2006. Indigenous knowledge of Borana pastoralists in southern Ethiopia and current challenges. **The International Journal of Sustainable Development and World Ecology** **13**(2):113-130.
10. Homann, Gemedo Dalle and Rischkowsky. 2004. Potentials and constraints of indigenous knowledge for sustainable range and water development in pastoral land use systems of Africa. A case study in the Borana Lowlands of Southern Ethiopia. Tropical Ecology Support Programme (TÖB)/GTZ. Eschborn, Germany. F-VI/5 e. 123 pp.
11. Gemedo Dalle, B. Maass and J. Isselstein 2006. Woody plants encroachment and its impact on pastoral production in the Borana lowlands, Southern Oromia, Ethiopia. **African Journal of Ecology** **44**(2): 237-246. doi: 10.1111/j.1365-2028.2006.00638.x

Conferences:

A. Oral presentations

1. Gemedo Dalle. 2012. Importance of Agrobiodiversity for Food Security and climate change adaptation: Opportunities and Challenges in Ethiopia. 22nd Annual Conference of the Biological Society of Ethiopia. March 9-10, 2012. Addis Ababa, Ethiopia
2. Gemedo Dalle. 2012. Importance of Research for Conservation of Natural Resources: Practical implications for Sustainable Development in Ethiopia. Third Annual Research Conference of Jimma University

- organized with a theme: The role of Research and Extension in the implementation of GTP of Ethiopia. January 26- 27, 2012. Jimma, Ethiopia.
3. Gemedo Dalle. 2012. Access and Benefit Sharing and Research in Ethiopia. Conference on Genetic Resources and Traditional Knowledge: Research Cooperation and Facilitated Access. January 19-21, 2012. Goettingen, Germany.
 4. Gemedo Dalle. 2011. Climate Change and Transboundary Issues. Climate Change vulnerability and Risk Assessment of Agriculture and Food Security in Ethiopia: Which way forward? ” 6 – 7 July 2011, Ghion Hotel, Addis Ababa, Ethiopia.
 5. Gemedo Dalle. 2010. Access and Benefits Sharing agreement on teff (*Eragrostis tef*) and its implementation challenges. A National event organized by Institute of Biodiversity Conservation and Forum for Environment/Ethiopia to commemorate the 2010 International Day of Biodiversity. Addis Ababa, Ethiopia.
 6. Gemedo Dalle. 2006. Comparative study of species diversity in different land use units of the Borana Lowlands, Southern Oromia, Ethiopia. “Biodiversity in inhabited areas of eastern Africa” scientific conference. July 19 – 21, 2006. Kampala, Uganda.
 7. Gemedo Dalle, B. Maass and J. Isselstein. 2006. Plant-environment relationships in the semi-arid rangelands of Borana Lowlands, Southern Oromia, Ethiopia. Annual Conference of the Biological Society of Ethiopia. February 10-11, 2006. Addis Ababa, Ethiopia.
 8. Gemedo Dalle. 2005. Impacts of neglecting indigenous knowledge on biodiversity conservation and sustainable livelihood. Consultative workshop on the role of Institute of Biodiversity Conservation and Federal & Regional Stakeholders in conservation and sustainable utilization of biodiversity. June 6-7, 2005. Addis Ababa, Ethiopia.
 9. Gemedo Dalle, B. Maass and J. Isselstein. 2005. Quantitative analysis of the relationships between vegetation and environmental variables in the

Borana lowlands, southern Oromia, Ethiopia. Presented on the Workshop on Quantitative Ecology. May 9 - 20, 2005. The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy.

10. Gemedo Dalle, B. Maass and J. Isselstein. 2004. Impact of rangeland degradation on the food security of Borana pastoralists in southern Oromia, Ethiopia. DeutcheTropentag, Berlin, Germany.

B. Posters

1. Gemedo Dalle, J. Isselstein and B. Maass. 2004. Woody plants encroachment and its impact on Borana pastoralists. A poster presented on the 17th Annual Conference entitled: “ Biodiversity and dynamics in tropical ecosystems” of the Society for Tropical Ecology. University of Bayreuth, Germany.

RESEARCH INTEREST

- Forest Ecology
- Rangeland Ecology (Plant Ecology)
- Biodiversity Conservation
- Management of Natural Resources by integrating Indigenous Ecological Knowledge
- Pastoral Development
- Traditional range and water management strategies of pastoralist communities

LANGUAGE ABILITY

Language	Reading	Writing	Speaking
Afan Oromo (Oromiffa)	Excellent	Excellent	Excellent
Amharic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
Deutsch (Germany)	Good	Good	Some

References:

1. Dr. Brigitte L. Maass
CIAT-TSBF at ICRAF, Nairobi, Kenya.
Telephone No:+254-731-141 020 Skype BLMaass

E-mail: [b.maass @cgiar.org](mailto:b.maass@cgiar.org)

2. Prof. Dr. Johannes Isselstein
Institute of Agronomy and Plant Breeding, George-August University Göttingen.
Von-Sieben-Str. 8 D-37075 Göttingen, Germany. E-mail: jissels@gwdg.de

CURRICULUM VITAE

NAME: Alfred Apau Oteng-Yeboah

DATE OF BIRTH: 13 August 1946

MARITAL STATUS: Married

Postal Address: University of Ghana, Department of Botany, P.O.Box LG 55 LEGON Accra
Ghana; also P.O.Box LG 683, LEGON, Ghana

Email: alfred.otengyeboah@gmail.com; aotengyeboah@ug.edu.gh

Telephone: Mobile: +233 24 4 77 22 56

Landline : +233 302 50 18 24

EDUCATIONAL BACKGROUND

BSc Ghana 1968

PhD Edinburgh 1972

PROFESSIONAL EXPERIENCE IN TEACHING AND RESEARCH

- Demonstrator, Univ. of Cape Coast - 1968-1969
- Attended 2-weeks course on University Teaching, University of London 1971
- Appointed Lecturer in Botany, University of Cape Coast December 1972
- Attended 6-month course on Resources in Higher Education, the British Council, London July to December 1975
- Appointed and promoted Senior Lecturer in Botany, Usman Danfodio University, Sokoto (formerly University of Sokoto) 1 September 1981
- Promoted Reader in Botany, Usman Danfodio University, Sokoto October 1986
- Appointed Senior Lecturer and later promoted Reader in Botany, Moi University, Eldoret, Kenya December 1987 and 1988 respectively
- Participated in a 2-week workshop on staff development in Higher Education: improving teaching and learning at Moi University April 1989 sponsored by the German Foundation for International Development DSE at Mombasa, Kenya

- Appointed Senior Lecturer and later promoted Professor of Botany University of Ghana, Legon 1st October 1989 and September 1992 respectively

PREVIOUS POSITIONS HELD

- ◆ Head of Department of Botany, Usman Danfodio University, Sokoto, Nigeria, 1983-1985
- ◆ Dean, Faculty of Science, Usman Danfodio University, Sokoto, Nigeria, July 1985-1987
- ◆ Acting Head of Department, Dep. of Botany, Moi University September 1989 to July 1990
- ◆ Head of Department of Botany, University of Ghana, Legon May 1992 to August 1997
- ◆ Deputy Director-General at the Council for Scientific and Industrial Research (CSIR-Ghana) from January 1998 to August 2006 in charge of national co-ordination of Environment and Health sector research.

CURRENT POSITION

On post-retirement contract at the Department of Botany, University of Ghana, Legon

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MAJOR RESPONSIBILITIES UP TO DATE

National experiences:

1. Chairman, Management Board Water Research Institute (CSIR), 1999 to August 2006
2. Chairman, Management Board Forestry Research Institute of Ghana (CSIR), 1999 to 2006
3. Chairman, Management Board Soil Research Institute (CSIR), 1999 to 2006
4. Chairman, Management Board Plant Genetic Resources Centre, Bunso (CSIR), 1999 to 2006
5. Chairman, Board of Governors, WBM Zion Secondary School, Tafo 1994 to 1999 and from 2009 to date
6. Member, Council of the College of Health Sciences of the University of Ghana, 1999 to 2006
7. President, Ghana Institute of Biology, 2000 to date

8. Chairman, Board of Governors, West Africa Secondary School, Accra, 1998 to date
9. Member and later Chairman, Research Committee of the Centre for Scientific Research into Plant Medicine (CSRPM), a research agency of the Ministry of Health, Ghana 1999 to date
10. Chairman, Natural Sciences Committee, UNESCO Commission, Ghana, 1998 to 2009
11. Chairman, National Bioethics Committee, UNESCO Commission, Ghana, 2009 to date
12. Member, Management Board, Environmental Protection Agency, Ghana, 2000 to December 2008
13. Member, Board of Trustees, Ghana Ethno-medical Foundation, 1995 to 2001),
14. Member, National Environmental Sanitation Policy Co-coordinating Council of the Ministry of Local Government and Rural Development, 1998 to 2001
15. Member and later Chairman, Ghana National Biodiversity Committee of the Ministry of Environment Science & Technology, 1993 to date
16. Member, Ghana National Bio-safety in Biotechnology Committee, 2001 to 2006
17. Member, Governing Council of the Centre for Remote Sensing and Geographic Information services (CERSGIS) of the University of Ghana, representing the Environmental Protection Agency, 2000 to 2009.
18. Member and later Chairman, Scholarships Review Committee of the Ghana Government Scholarships Secretariat, 1999 to 2009.
19. Member, Council of the Centre for Scientific Research into Plant Medicine. 2001 to December 2008.
20. Chairman, Cocoa Research Institute of Ghana Management Board, 2009 to date
21. Chairman, Project Advisory Committee, Tropenbos Project on Chainsaw Operations in Ghana, 2009 to date

OTHER RESPONSIBILITIES (Social as from 1996)

1. President Madina Chapter, Full Gospel Business Men's Fellowship International (finished assignment in December 2007)
2. Chairman, Board of Trustees (Local level) for the Akyem Tafo Union of Great Britain from 1996 to date

INTERNATIONAL

1. Chair, 9th and 10th meeting of the Subsidiary Body on Scientific Technical and Technological Advice (SBSTTA) of the UN Convention on Biological Diversity (CBD). During my tenure specific targets and goals running along the UN Millennium Development Goals were introduced into the CBD to achieve a substantial reduction in the loss of global biodiversity by 2010.
2. Member, Scientific and Technical Advisory Panel (STAP) from 2003 to 2004 of the Millennium Ecosystem Assessment (MA). I contributed to the achievement of the world acclaimed assessment report on the world's resources.
3. Member, Task Force for International Union of Forest Research Organisations (IUFRO) on forest indigenous knowledge in Africa.
4. Member of the bureau of SBSTTA for its 11th meeting. The African group decided to keep me on the bureau of this body to support the in-coming Chair of SBSTTA 11 from Europe to ensure continuity.
5. Vice-Chairman, Standing Committee (SC) of CITES from 2005 to 2008. The major assignment given to me was to chair a sub-committee of the SC in Ottawa, Canada in April 2006 to draft a strategic vision for this international inter-governmental environmental organisation as it braces itself towards challenges of the millennium from 2008 to 2013. The draft was agreed by the Standing Committee at its 54th meeting held in Geneva.
6. Member, Board of the Millennium Ecosystem Assessment (MA) 2002-2005. This board was the main authority responsible for the compilation of the assessment.

7. Member, MA Follow-up group (2007- 2009) on the world reactions of the MA report, whose actions led to the IMoSEB-MA joint negotiation under UNEP to identify and develop an appropriate international Science-policy interface, which is currently referred to as the Intergovernmental Panel on Biodiversity and Ecosystem Services (IPBES).
8. Member, Governing Council of the African Centre for Technology Studies (ACTS) Nairobi. My membership has been renewed for another 3-year term to December 2014. This Council co-ordinates technology policy studies, especially on the environment for Africa.
9. Member, International Steering Committee for GEF project on Removing Barriers to Invasive Alien Species executed by CABI on behalf of 4 African Countries (Ethiopia, Ghana, Uganda and Zambia). My membership ended in August 2006.
10. Member, International Advisory Committee for UNESCO Biosphere Reserves. I was invited to this committee by the Director-General of UNESCO for a three-year assignment which finished in January 2010.
11. Member, Scientific Council for the UN Convention on Migratory Species (CMS) .In this position to which I was assigned in 2007, I have been the spokesperson for Africa on scientific advice needed to secure the migratory routes of migrating animals especially birds and mammals.
12. Co-chair, International Mechanism of Scientific Expertise on Biodiversity (IMoSEB) from January 2005 to April 2008. This was an initiative started by the President of France to charge nations to protect and use their biological resources in a manner that will ensure sustainability. The committee was made up of very prominent international biologists.

The committee published an article in Nature calling on mankind to ensure the halt in the loss of biological diversity.

13. Alternate Member (from 2003 to 2007), Council of the Global Environment Facility (GEF), Washington, representing 8 constituent members of Benin, Cote d'Ivoire, Ghana, Guinea,, Liberia, Nigeria, Sierra Leone and Togo .
- 14.** Member (appointed from January 2008 for a 3-year period to the end of 2010), Council of the Global Environment Facility (GEF), Washington, representing 8 constituent members of Coastal West Africa.
15. Member, an international advisory committee in charge of planning the first (Kuala Lumpur), second (Nairobi) and third (Busan, Korea) meetings of the UNEP sponsored Inter-governmental Platform for Biodiversity and Ecosystem Services (IPBES). I co-chaired the first meetings held in Kuala Lumpur, Malaysia in October 2008 with Dr Robert Watson, co-chaired during the second meeting held in Nairobi from 5 to 10 October 2009 and acted as vice-chair during the third and last meeting held in Busan, Korea from 7 to 11 June 2010.
16. Participated in the first (Nairobi) and second and final (Panama City) intergovernmental meetings to identify the modalities for the establishment of IPBES. At these two meetings, I was the spokesperson for Africa.
17. Vice Chair, Standing Committee, CMS, Bonn, Germany from 2009 to 2011
18. Chair, Standing Committee, CMS, Bonn, Germany from 2011 to 2014

B. Academic Awards and Honours

- ◆ UNESCO Scholar to Edinburgh University 1969-1970
- ◆ Ghana Government Scholar to Edinburgh University 1970-1972
- ◆ UNESCO Scholar to British Council course on Resources in Higher Education, London July to December 1975
- ◆ Swedish Institute (SI) Fellowship for a 6-month research at the Dept. of Ecological Botany, Uppsala University, Sweden, July to December 1991
- ◆ Elected Fellow of the Linnaean Society of London (FLS) 1972
- ◆ Elected Fellow of the Ghana Institute of Biology March 1995

C. International Assignments

- ◆ Represented Ghana at the 1st, 2nd, 5th, 6th, 7th, 8th, 9th, 10th and 11th Conference of the Parties (COP) of the Convention on Biological Diversity (CBD) (1994-2012)
- ◆ Represented Ghana from the 4th to the 16th meeting of the Subsidiary Body on Science Technical and Technological Advice (SBSTTA) of the Convention on Biological Diversity
- ◆ Attended meetings of the OAU Experts Committee on African Traditional Medicine and Medicinal Plants as a member. (1996 to 2003)
- ◆ Attended meetings of the *Ad Hoc* Experts group on Sustainable use of Biological Diversity, SBSTTA, CBD as a member from 2000 to 2004
- ◆ Attended meetings of the *Ad Hoc* Experts Group on Forest Biological Diversity, SBSTTA, CBD as a member from 1999 to 2001
- ◆ Participated as a member of the West African Network of Natural Product Research Scientists from 1999 to date
- ◆ Contributed as a member of the Steering Committee on Strategic Alliance for Biotechnology Research In African Development (SABRAD) in 1999 to 2000
- ◆ Participated as a member of the bureau of SBSTTA for its 8th, 9th, 10th and 11th meetings from 2002 to 2006.
- ◆ Nominated by 7th SBSTTA and appointed by COP 6 of CBD as President of the Bureau for the 9th and 10th SBSTTA in 2003 and 2004
- ◆ Nominated by the Ghana UNESCO Commission as a member of the UNESCO International Ethics Committee for 2002-2004 session
- ◆ Successfully organised an international workshop under the theme “Enabling Biotechnology for African Agriculture” for Strategic Alliance for Biotechnology Research in African Development (SABRAD), an initiative of the 1890 LGU’s of the USA, at M-Plaza Hotel Accra Ghana 8-11 November 2000

- ◆ Successfully organised an international workshop on “Forests and Biological Diversity” which sought synergies between the Convention on Biological Diversity and the United Nations Forum on Forests, at M-PLAZA Hotel Accra Ghana 28-30 January 2002.
- ◆ Organized an international conference on Traditional Forest Knowledge and Sustainable Forest management in Africa which sought to underscore the Traditional Forest Related Knowledge of Africa at ERATA Hotel, East Legon, Accra, October 2008
- ◆ Co-chaired the 35th Council of the GEF Council meeting in Washington, June 2009
- ◆ Organized a conference on Taxonomic Needs Assessment in Ghana at ERATA Hotel, East Legon, Accra, March 2010
- ◆ Organized consultations twice yearly from June 2008 to November 2010 among Operational Focal Points of GEF in the 8 West African Constituencies (Benin, Cote d’Ivoire, Ghana, Guinea, Liberia, Nigeria, Sierra Leone and Togo) in my capacity as the Council Member for the constituency of the GEF.

INTERNATIONAL EVALUATION AND OTHER EXPERIENCES

- Evaluation of “African NGO-Government partnerships for sustainable biodiversity action project” RAS/97/G31 which was conducted in March 2003. The evaluation looked at the Important Bird Areas as the new focus for biodiversity conservation and sustainable use
- Evaluation of the Sida-Sarec funded African Forest Research Network (AFORNET) which has been coordinated from the African Academy of Sciences (AAS) based in Nairobi Kenya. This evaluation started in December 2006 and concluded in January 2007. The evaluation looked at a number of parameters including gender and research diffusion into the participating countries in Africa south of the Sahara
- Preparation of a feasibility report for the establishment of a regional Centre of Excellence for Biodiversity for the Albertine Rift to be located in Republic of Rwanda. This study was initiated by UNESCO East African Regional Office in Nairobi between August 2008 and April 2009
- Undertook an e-consultancy for the Agricultural Biodiversity Initiative in Africa (ABIA) conference at the 2010 FARA General Assembly in Ouagadougou, Burkina Faso
- Evaluation of the Sida funded African Forest Forum (AFF) based in Nairobi at the ICRAF World Agroforestry Centre from January to May 2011.
- Development and establishment of an *ad hoc* Science and Technology Committee for the Abidjan Convention, June 2012, Abidjan, Cote d’Ivoire.

PUBLICATIONS (Selected)

A. Commissioned Research Reports

1. Dorm-Adzobu, C., Agyepong, G.T., Amoako-Nuama, C.E., Oduro, W., Oteng-Yeboah, A.A. and A. Sackey (1991) Ghana Biodiversity Review, USAID, Ghana
2. Oteng-Yeboah, A.A. and L. Enu-Kwesi (1993) Ecological, Ethnobotanical, Physiological and Eco-physiological investigations into three traditional groves in Northern Ghana: A baseline study report, UNESCO-CIPSEG PROJECT 507/GHA/40 November 1993, 133pp.
3. Oteng-Yeboah, A.A. and L. Enu-Kwesi (1995) Ethnobotanical, Eco-physiological, Natural Regeneration and Species Enrichment Studies and the Development of Guidelines and framework for a Biosphere Reserve of the CIPSEG Project Locations, UNESCO-CIPSEG PROJECT 507/GHA/40, 28 February 1995, 18pp.
4. Oteng-Yeboah, A.A. (1994) Detailed Baseline Studies of Muni-Pomadze Ramsar site: Plant Ecology, Ghana Coastal Wetlands Management Project, GW/A.285/SF.2/34, May 1994, 51 pp.
5. Oteng-Yeboah, A.A. (1994) Takoradi Thermal Generating Plant: Terrestrial Ecological Survey Report, VRA, Eng. 033.08/94/567, September 1994, 37pp.
6. Oteng-Yeboah, A.A. (1994) National Biodiversity Country Study: Botany, Ministry of Environment, Science and Technology, MEV/SCR/042, 30 September 1994, 143 pp.
7. Oteng-Yeboah, A.A. (1994) Detailed Baseline Studies of Sakumo Ramsar site: Plant Ecology, Ghana Coastal Wetlands Management Project, GW/A.285/SF.2/34, October 1994, 45pp.
8. Oteng-Yeboah, A.A. (1994) Detailed Base-line Studies of Densu Delta Ramsar site: Plant Ecology, Ghana Coastal Wetlands Management Project, GW/A.285/SF.2/34, November 1994, 54pp.
9. Oteng-Yeboah, A.A. and L. Enu-Kwesi (1995) Guidelines for elucidating participatory approaches to Buffer Zone development, strategies of using useful plants in the defined ecosystem, UNESCO-CIPSEG PROJECT 507/GHA/40, November 1995, 63 pp.
10. Oteng-Yeboah, A.A. and L. Enu-Kwesi (1996) Plant Diversity Survey and other studies on Bia National Park, BRAAF Project Ghana MAB, October 1996, 58pp.

11. Oteng-Yeboah, A.A. (1996) Inventorial Studies of Bia National Park, Ghana, prepared for the National Geographic Society, Washington, USA, November 1996, 88pp.
12. Oteng-Yeboah, A.A. and R.K. Bamfo (1996) Ghana Biodiversity Data Management Institutional Survey. 87pp. Ministry of Environment, Science & Technology.
13. Oteng-Yeboah, A.A. (1997) Tano Power Project: Terrestrial Ecological Survey report of project site and transmission corridors. 63pp. + 9 maps and plates. Ghana National Petroleum Corporation.
14. Oteng-Yeboah, A.A. (1998) Wetlands Floral Diversity Ghana Coastal Wetlands Management Project, Ghana Wildlife Department, June 1998, 91pp.
15. Oteng-Yeboah, A.A. (1999) Development of a Management Plan for the Densu Delta Ramsar Site, Ghana Coastal Management Project, GET TF 28619 GH, Wildlife Division of Forestry Commission, Ministry of Lands and Forestry, December 1999, 82pp.
22. Oteng-Yeboah, A.A.; E.O. Afreh; C. Dei Amoah and R.K. Bamfo; (2001). Mining in Forest Reserves in Ghana: a report of a 4-member Technical Committee visit to 5 forest Reserves. Forestry Commission Accra, Ghana

B. Publications in refereed journals

1. Oteng-Yeboah, A.A. (1974). Four New Genera in Cyperaceae-

Cyperoideae. *Notes of the Royal Botanic Garden, Edinburgh*, 33:307-310

2. Oteng-Yeboah, A.A. (1974). Taxonomic Studies in Cyperaceae-Cyperoideae *Notes R.B.G. Edinburgh* 33:311-316.
3. Oteng-Yeboah, A.A. (1975). Morphology, Anatomy and Taxonomy of the genus *Remirea* Aub. *Boissiera* 24:197-205.
4. Oteng-Yeboah, A.A.(1977). Some observations on the Genus *Ascolepis* Nees, *Notes R.B.G. Edinburgh* 33:399—397
5. Oteng-Yeboah, A.A.(1977). Observations on *Blysmus* Panz. Ex Schulz and *Blysmopsis* OtengYeboah, *Notes R.B.G. Edinburgh* 35:391-406.
6. Oteng-Yeboah, A.A. and Garba, I.S. (1983). The occurrence of Parasitic Mistletoes on *Azadirachta indica* (neem) in Sokoto Metropolis. *Nigerian Journal of Science and Technology* 1:103-108.
7. Oteng-Yeboah, A.A.(1985). Ecological survey of Plant Communities in the Sokoto Savanna vegetation: I. Floristic and Life form Composition *Biologia Africana* 2 67-78.
8. Oteng-Yeboah, A.A.(1985).Ecological survey of Plant communities in

Sokoto Savanna vegetation: II. Structure and Ordination. *Biologia Africana* 2:
79-94.

9. Oteng-Yeboah, A.A.(1986). Check list of farm weeds in Sokoto State. *Nigerian Journal of Basic and Applied Sciences* 1:83-86.
10. Oteng-Yeboah, A.A. and B.L. Aliero(1986)Ecology of farm weeds in Sokoto. I: Characteristic species of the University farm. *Nigerian Journ. of Basic and Applied Sciences* 1:15-28
11. Oteng-Yeboah, A.A. and B.L. Aliero (1987). Ecology of farm weeds in Sokoto. II: Estimate of weed seed bank in the soil. *Nigerian Journal of Basic and Applied Sciences* 1 (2): 211-223.
12. Oteng-Yeboah, A.A. and B.L. Aliero (1988). Ecology of farm weed of Sokoto III: Seed weight and its relation to germination. *Nigerian Journal of Basic and Applied Sciences* 2: 20-25.
13. Oteng-Yeboah, A.A. and J.M. Wright (1988). A species complex situation in *Costus* in West Africa. *Biologia Africana* 3 76-93.
14. Addae-Mensah I., Asomaning W.A., Oteng-Yeboah, A.A., Garneau, FX, Gagnon H., Jean, F.I., Mouda-Chiron, M. and Koumaglo, K.H. (1996) E-Anethole as a major essential oil constituent of *Clausena anisata*. *Journ. Essent. Oil Res.* 8: 513-516
15. Oteng-Yeboah, A.A.(1999) Mining Operations, Habitat loss and Biodiversity in Ghana. *Journal of the Ghana Science Association Vol. 2(1):10-18*

16. Oteng-Yeboah, A.A.(1999) Biodiversity Studies in three Coastal Wetlands in Ghana, West Africa. *Journal of the Ghana Science Association Vol. (3):147-149*
17. Alex Asase, Alfred A. Oteng-Yeboah, George T.Odamtten and S.J.Simmonds (2005) Ethnobotanical Study of some Ghanaian anti-malarial plants. *Journal of Ethnopharmacology, Vol. 99 issue 2 pp.273-279*
18. Alex Asase and Alfred A. Oteng-Yeboah (2005) An ethnobotanical study of plant uses in Wechiau Community Hippopotamus Sanctuary, Ghana. *XVII International Botanical Congress Book of Abstracts No. 6.17.4 page 109*
19. Alex Asase, Alfred A. Oteng-Yeboah, George T. Odamtten and S.J. Simmonds (2006) Anti-malarial properties of four selected ethnobotanicals from Ghana. *Legon Journal of Science, Vol.1 issue 1:55-59*
20. Asase, A., and Oteng-Yeboah, A. A., 2007. Assessment of plant biodiversity in Wechiau Community Hippopotamus Sanctuary in Ghana. *Journal of Botanical Research Institute of Texas* 1(1) 549-556
21. Asase, A., Kokubun T., Grayer, R.J., Kite, G., Simmonds' M.S.J., Oteng-Yeboah, A. A., and Odamtten, G. T., 2008. Chemical constituents and antimicrobial activity of some medicinal plants from Ghana; *Cassia sieberiana*, *Haematostaphis barteri*, *Mitragyna inermis* and *Pseudocedrela kotschyi*. *Phytotherapy Research* 22:1013-1016
22. Asase, A., Oteng-Yeboah, A. A., and Simmonds, S. J. M., 2009. Species of plants used in Wechiau Community Hippopotamus Sanctuary in northern Ghana. *Economic Botany*. In preparation
23. Asase, A., Grayer, R. J., Kite, G., Simmonds' M.S.J., Oteng-Yeboah, A. A., and Odamtten, G. T., 2009. Antifeedant activity of some traditionally used medicinal plants in Ghana against *Spodoptera littoralis* (Boisduval) Lepidoptera. *Journal of Tropical Science*. In Preparation
24. **Asase, A.**, and Oteng-Yeboah, A. A. 2012. An ethnobotanical inventory of plants used in Wechiau Community Hippopotamus Sanctuary in Ghana. *Ethnobotany Research and Applications*. In press

C. Edited Conference proceedings

25. Oteng-Yeboah, A.A.(1991). Plant taxonomy A neglected science in the third world.In: David Wilson (ed.), *Proceedings of the 17th Biennial Conference of the Ghana Science Association pp. 113-117*, UST Kumasi, Ghana

26. Oteng-Yeboah, A.A.(1992). Knowing Ghana's biodiversity: the first step in conservation, preservation and reservation practices. In: E. Laing et al (eds.) *Proceedings of the Workshop on Biodiversity, pp.25-30*, Botany Dept., Legon and GTZ Ghana.

27. Oteng-Yeboah, A.A.(1995) Inventory needs in Ghana. In: *Final Compendium for a practical workshop on Biodiversity prospecting for Cameroon, Madagascar and Ghana, April 24 - May 2*, INBio, USAID, and BDCP

28. L. Enu-Kwesi, A.A. Oteng-Yeboah, J.K. Adomako and D.K. Abbiw (1996) Effects of logging and biodiversity in selected High Forest Ecosystems in Ghana. In: Oteng-Yeboah, A.A. and Enu-Kwesi (eds.) *Proceedings of Workshop on Biodiversity. pp. 19-24*, Dept. of Botany, Legon.

29. Oteng-Yeboah, A.A., L. Enu-Kwesi, D.K. Abbiw and J.K. Adomako (1996). Effect of gathering and collection of some non-timber forest products on biological diversity in Ghana. In: Oteng-Yeboah A.A. and L. Enu-Kwesi (eds.) *Proceedings of Workshop on Biodiversity, pp. 13-18*, Dept. of Botany, Legon.

30. Oteng-Yeboah, A.A. (1999) Ex situ conservation of indigenous Ghanaian Plant Biodiversity. *8th Faculty of Science Colloquium 12-13 June 1997*. Faculty of Science University of Ghana, Legon pp. 40-45

31. Michel Loreau, Alfred Oteng-Yeboah, M.T.K Arroyo, D. Babin, R. Barbault, M. Donoghue, M. Gadgil, C. Hauser, C. Heip, A. Larigauderie, K.Ma, G. Mace, H.A. Mooney, C. Perrings, P.Raven, J. Sarukhan, P. Schei, R.J. Scholes and R.T. Watson (2006). Diversity without representation. Commentary in *Nature* vol. 442: 245-246, 20 July 2006
32. Oteng-Yeboah, A.A. (2008). Using effective Policy and Research Tools for Human Behavioural Change. *A Future of Planet Earth Seminar Proceedings pp 107-112, June 3-5, Paris, France*. Foundation for the Future and UNESCO Division of Ecological and Earth Sciences publication.
33. Stephen R. Carpenter, Harold A. Mooney, John Agard, Doris Capistrano, Ruth S. DeFries, Sandra Diaz, Thomas Dietz, Anantha K. Duraiappah, Alfred Oteng-Yeboah, Henrique Miguel Pereira, Charles Perrings, Walter V. Reid, Jose Sarukhan, Robert J.Scholes and Anne Whyte (2009). Science for managing ecosystem services: Beyond the Millennium Ecosystem Assessment. *PNAS Vol 106 (5): 1305-1312*
34. Oteng-Yeboah, A. A. (2009). The EU Biodiversity footprint in developing countries. Presented at the *EU Conference on 'Biodiversity protection beyond 2010: priorities and options for future EU policy', Athens, Greece, 26-28 April*

Mimeographs and Technical Papers

1. Oteng-Yeboah, A.A. (1975). The Teaching of Science at the University of Cape Coast Ghana, from an innovatory perspective. British Council Training Centre, London.
2. Oteng-Yeboah, A.A. (1985). Field Guide to woody Plants of Sokoto, North Western Nigeria.

3. Oteng-Yeboah, A.A. (1985). Field Guide to herbaceous Plants of Sokoto, North Western Nigeria.
4. Oteng-Yeboah, A.A. (1985). Field Guide to Climbing Plants of Sokoto, North Western Nigeria
5. Oteng-Yeboah, A.A. (1986). Field Guide to Grasses and Sedges of Sokoto, North Western Nigeria.
6. Oteng-Yeboah, A.A. (1992). Notes on some crucial taxonomic concepts for Africa.

D. Books /Chapters in Books

1. Oteng-Yeboah,A.A. with KitTan (1986) Cyperaceae-Cyperoideae in Turkey. In PH.Davis (ed.) *Flora of Turkey* , Vol. 9:32-72, Edinburgh University Press
2. “General taxonomic concepts for Africa” manuscript in preparation

Approximately 145pp. in full scap.
3. Oteng-Yeboah, A.A. and J.M. Wright (1990). In :M.S. Patel and S. Nokoe edit. *Biometry for Development* pp. 151-166 ICIPE Science Press Nairobi.

4. Oteng-Yeboah, A.A., Abbiw, DK. And L. Enu-Kwesi (1994). Biodiversity Studies in Bia National Park, Ghana: issues of concern in African forestry conservation and development. In: N'geny Mengech (eds.) *Supporting Capacity Building in Forestry Research in Africa*, pp. 241-257, African Academy of Sciences and International Foundation for Science.
5. Oteng-Yeboah, A.A.(1994). DNA Bank Depositories in Developing Countries: the way Forward. In: R.P. Adams *et al* (eds.) *Conservation of Plant Genes II: Utilization of Ancient and Modern DNA* pp. 173-186, Missouri Botanical Garden, St. Louis, Missouri, USA.
6. Oteng-Yeboah, A.A.(1995). Biodiversity Assessment of forest tree species in Bia National Park, Ghana. In: T.J.B. Boyle and B. Boonawe (eds.) Biodiversity Assessment of forest tree species in Bia National Park, Ghana, in T.J.B. Boyle and B. Boonawe (eds.) *Measuring and Monitoring Biodiversity in Tropical and Temperate Forests*, pp. 247-256, CIFOR, IUFRO.
7. Oteng-Yeboah, A.A.(1996). Biodiversity in three traditional groves in the Guinea Savanna, Ghana. In: L.J.G. van der Maesen *et al* (eds.) *The Biodiversity of African Plants*, pp. 188-197, Kluwer Academic Publishers, Dordrecht, London
8. Gbedemah C.M. and A.A. Oteng-Yeboah (1997) status and trends of biotechnology and biosafety in Ghana. In: K.J. Mulongoy (ed.) *Biosafety Needs and Priority Actions for West and Central Africa* pp. 31-34, International Academy of the Environment IAE, Geneva, Switzerland
9. Oteng-Yeboah, A.A. (1999) A survey of plant uses in three traditional groves in the Guinea Savanna Zone of northern Ghana, In: J. Timberlake and S. Kativu (eds.) *African plants: Biodiversity, taxonomy and uses* pp. 471-482, Royal Botanic Gardens, Kew.

10. Oteng-Yeboah, A.A. (1998) Research and training needs in conservation approaches in Africa. In: Robert L. Adams and Janice E. Adams (eds.) *Conservation of Plant Genes III: Conservation and Utilization of African Plants* pp. 199-208, Missouri Botanical Garden Press, St. Louis, Missouri, USA.

11. Oteng-Yeboah, A.A. (1998) Why the emphasis on Conservation of Biological Diversity in the Gulf of Guinea, In :A. Chidi Ibe, A.A. Oteng-Yeboah, S.G. Zabi and D. Afolabi (ed.) *Integrated Environmental and Living Resources Management in the Gulf of Guinea: the Large Marine Ecosystem approach* pp. 143-146, UNIDO/ UNDP/NOAA/UNEP.

12. Mshana, N.R.; Abbiw, D.K.; Addae-Mensah, I.; Adjanouhou, E.; Ahyi, M.R.A.; Ekpere, J.A.; Enow-Orock, E.G.; Gbile, Z.O.; Noamesi, G.K.; Odei, M.A.; Odunlami, H.; Oteng-Yeboah, A.A.; Sarpong, K.; Sofowora, A. and Tackie, A.N. (2000). *Traditional Medicine and Pharmacopoeia: Contribution to the Revision of Ethnobotanical and Floristic Studies in Ghana*. 920pp. OAU/STRC Lagos

13. Oteng-Yeboah, A. A. (2007) The philosophical foundations of biophysical resources.in Gyasi, E.A., Kranjac-Berisavljevic, G., Blay, E.T and Oduro, W. (eds.) *Managing Agrobiodiversity the traditional way: Lessons from West Africa in sustainable use of biodiversity and related natural resources*. United Nations University Press, Tokyo, Japan
14. Oteng-Yeboah,A.A., Kwapong, P., Cobblah, M.A., Smith, R. and Lyal, C.H.C (2010) Assessing Taxonomic Needs in Ghana. CSIR-Ghana, Natural History Museum and Bionet-INTERNATIONAL.

E. Editorial work

1. Laing, E.; C. Ameyaw-Akumfi; L. Enu-Kwesi; A.A. Oteng-Yeboah; E.A. Gyasi; Hans Rudatt; Elizabeth Acheampong and S.O. Bennett-Lartey (eds.) Proceedings of Workshop on Biodiversity sponsored by the Dept. of Botany University of Ghana and GTZ Ghana 8 January 1992
2. Oteng-Yeboah, A.A. and L. Enu-Kwesi (editors) Proceedings of Biodiversity Workshop sponsored by the Biodiversity Support Program BSP/WWF/Grant/MS 28 and the Department of Botany, University of Ghana 23 February 1996
3. A. Chidi Ibe; A.A. Oteng-Yeboah; S.G. Zabi and D. Afolabi (editors) Integrated Environmental and Living Resources Management in the Gulf of Guinea: The large Marine Ecosystem Approach. Proceedings of the first regional symposium on the Gulf of Guinea Large Marine Ecosystem; Abidjan 26-30 January 1998.

UNIDO, UNDP NOAA, UNEP
4. Parrotta, J.A., Oteng-Yeboah, A.A. and Cobbinah, J. (2008). Eds. Traditional Forest Knowledge and Sustainable Forest Management in Africa. IUFRO World Series 23: 39-46

CURRICULUM VITAE

Name: Ali Daud Mohamed

Date of Birth: 18 July 1962

Nationality: Kenyan

Present Position: **Permanent Secretary (Chief Executive Officer):**
Ministry of Environment and Mineral Resources, Kenya, responsible for:

- National Environment Policy
- Protection, Conservation and Sustainable Management of the country's Environment and Natural Resources
- Environmental law, regulations, awareness and enforcement
- Environmental Assessment, Monitoring and Review through Resource Survey and Remote Sensing
- Development of Geo-spatial information
- Mining and Minerals Development Policy
- Kenya Meteorological Department for weather and hydrological services
- integration of the environment into development cooperation and economic activities.
- Environmental diplomacy and international cooperation
- policy guidance on the planning, coordination and effectiveness of national environmental programmes, and the relation to their social and economic policies and priorities

April 2008-June 2010: **Permanent Secretary, (CEO),** Ministry of State for Special Programmes, Office of the President - responsible for:

- Disaster Response and Coordination
- Disaster Risk Reduction Programmes
- Management of Strategic Grain Reserve
- Food Relief Management
- Resettlement of Internally Displaced Persons
- Management of National Humanitarian Fund
- Coordination of the Campaign against HIV/AIDS

Membership in International Bodies

June 2008 - June 2010: **Advisory Board Member, UN Central Emergency Response Fund (CERF) UNOCHA.** Board provided period policy guidance and expert advise to the United Nations Emergency Relief Coordinator on the use and impact of the Fund

October 2011 - April 2012: **Interim Bureau Member of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES)**

August 2012 - July 2014: **Standing Committee on Climate Finance under the UNFCCC**

September 2012 - 2015: **President of the 4th International Conference on Chemicals Management (ICCM4)**

Past

24 years working directly with environment and development programmes in different capacities including:

- 5 years at Regional (Africa) level, coordinating programmes under the framework of the New Partnership for Africa's Development (NEPAD);
- 2 years as Regional Coordinator East/Central Africa for fisheries and biodiversity project under ICLARM (WoldFish Centre);
- 27 years as civil servant with extensive involvement in Government policy development and implementation at provincial, national, regional and international levels.

Experience

- Public policy development, administration and implementation
- Rich experience in international cooperation issues and multilateral agreements.
- Specialist in international conventions and treaty negotiations; international project development and implementation; integrated resource management; coastal and marine environmental management;

Academic Qualification:

- 1995: Master of Marine Management, Dalhousie University, Halifax, Canada.
- 1992: BSc. Animal Production, Egerton University, Njoro, Kenya (1st Class Hons.)
- 1983: Diploma, Ranch Management, Egerton College, Njoro, Kenya (Distinction)
- 1979: East Africa Certificate of Education, Garissa Secondary School (Division 1)

<u>CURRICULUM VITAE</u>		
1.	NAME IN FULL:	- Mohammad Lawal BALARABE
2.	DATE/PLACE OF BIRTH:	- 27 th September, 1960,Zaria
3.	STATE OF ORIGIN	- Kaduna
4.	LOCAL GOVT. AREA:	- Birnin Gwari
5.	NATIONALITY:	- Nigerian
6.	MARITAL STATUS:	- Married
7.	GENDER:	- Male
8.	CURRENT CONTACT ADDRESS:	- Department of Biological Sciences, Ahmadu Bello University, Zaria, Nigeria. mlbalarabe@gmail.com Tel: +2348037051406, www.abu.edu.ng
9.	PERMANENT HOME ADDRESS: -	NC 194 Kwararafa Road, Marafa Estate P.O Box 10029 Kaduna.
10.	FIELD OF EXPERTISE:	Environmental Biologist with bias in Ecology, Hydrobiology and Conservation of Biodiversity.
11.	CONSULTANCY	Ecology, Environmental Impact Assessment (EIA), Climate Change ,Forestry Conservation,Pollution/waste Management studies, Sustainable Development, Water and Sanitation.
12.	EDUCATIONAL HISTORY:	-
	(a) Sultan Bello Primary School, Kaduna	1967 – 1973
	(b) Government College, Kaduna	1973 – 1978
	(c) School of Basic Studies, ABU, Zaria	1978 – 1980
	(d) Ahmadu Bello University, Zaria	1980 – 1983
	(e) Ahmadu Bello University, Zaria	1985 – 1989
	(f) Ahmadu Bello University, Zaria	1990 – 2001
13.	QUALIFICATIONS:	-
	(a) B.Sc. (Hons) Zoology 2.2	1983
	(b) M.Sc. (Biology)	1989
	(c) Ph.D (Biology)	2001



PROFESSIONAL ASSOCIATION AFFILIATIONS:

- (i) Member, National Association of Aquatic Sciences (NAAS)
- (ii) Member, Nigerian Environmental Society (NES)
- (iii) Chartered Biologist (CIBIOL, MIBIOL) and member, Institute of Biology, London.
- (iv) Member Zoological Society of Nigeria (ZSN)
- (v) Member, Nigerian Environmental Society (NES)

14 YEARS OF COGNATE WORK EXPERIENCE:

- (i) Science Teacher at Women Teacher's College Kaduna (NYSC Service year) 1983 - 1984
- (ii) Wildlife Officer, Kamuku Game Reserve, Forestry Department, Ministry of Agriculture and Natural Resource Kaduna, Nigeria Aug. 1984 - Aug. 1985
- (iii) Graduate Assistant (SBS/ABU Zaria) Aug. 1985 - Sept. 1989
- (iv) Assistant Lecturer Oct. 1989 - Sept. 1992
- (v) Lecturer II Oct. 1992 - Sept. 1995
- (vi) Lecturer I Oct. 1995 - Sept. 2004
- (vii) Senior Lecturer Oct. 2004 - Sept. 2007
- (viii) Associate Professor Oct. 2007 - Sept. 2010
- (ix) Professor Oct. 2010

Teaching and Supervision of undergraduate/Post Graduates,
Research, community service and Consultancy 1988 - Date

(a) Undergraduate Courses Taught:

- Biol 112 Introductory Ecology 1988 - Date
- Biol 113 Animal Biology 1 1988 - 2001
- Biol 211 General Ecology 1988 - Date
- Biol 232 Vertebrata 1988 - 2000
- Biol 314 Hydrobiology 1988 - Date
- Biol 316 Field Course 1 1988 - Date
- Biol 400 Student Project 1988 - Date
- Biol 411 Field Course II 1988 - Date
- Biol 414 Conservation and Management of Natural Resources 2001 - Date
- Biol 416 Special option (Environmental Impact Assessment) 2001 - Date
- Biol 433 Principles of Wildlife Management 2001 - Date

(b) Post Graduate Courses

- Biol 816 Advance Hydrobiology 1999 - Date
- Biol 837 Advanced Plant and Animal Ecology 1999 - Date
- Biol 839 Environmental Adaptation 2001 - Date
- Boty821 Advanced Phycology

15. RESEARCH/CONSULTANCY EXPERIENCE:

- Teaching, Research, Supervision and Consultancy in the field of General Ecology, Hydrobiology, Environmental Impact Assessments, reviews and examination of reports General Consultancy in Ecology, biodiversity, conservation and environmental management :
- (i) Environmental Consultant to Federal Ministry of Environment, Abuja, Nigeria (2003 - Date)

- | | |
|---|---------------|
| (ii) ABUCONS Limited (ABU, Zaria) | 1998 – Date |
| (iii) Kaduna State Environmental Protection Authority (KEPA) | 1994 – Date |
| (iv) EEMS Limited, Abuja www.eemslimited.com | (1997 -2009) |

16. FIELD WORK:

a. Commissioned Research

- (i) Ambient Air Quality Monitoring of Industrial Effluents of Kaduna Refinery and Petro-Chemical Company (KRPC) ABUCONS Consultancy Team Member (Ecological Unit); 1997
- (ii) Stock Assessment and Productivity of Kangimi Dam, North-West Zone of NCRP/NARP/NIFFR Project) 1998.
- (iii) Limnology and Fisheries potentials of Zaria Dam, University Board of Research, 2000

(b) Projects/ Consultancy

- 1 Ambient air quality monitoring of industrial effluents of Kaduna Refinery and Petro-Chemical Company.(NNPC) (1994 - 96)
- 2 Desertification, deforestation and possible remedies in Makarfi Local Government Area of Kaduna State, Nigeria. (Submitted for Part C of Nigeria Environmental Management Project N.E.M.P.) (1996).
3. Stock assessment of fish resources and Limnological studies of Kangimi Dam, Kaduna State, North-West Zone of Nigeria. National Co-ordinated Research Project (N.C.R.P.) (1996 - 1998)
- 4 Survey and stock assessment of selected small water bodies for increased fish production in North-West zone of Nigeria, for National Agricultural Research Project (N.A.R.P) (1996 - 98).
- 5 World Bank Environmental Management Project in Nigeria Part 'C' of EMF* Study of pollution and clean up options for Kaduna River and its tributaries 1997- 98
6. Environmental Audit Report of Golden Unique Factory, Kaduna 1997
7. Environmental Audit Report of Kaduna Aluminium Company Kaduna 1997
8. Environmental Audit Report of Tower Galvanised Product Kaduna; 1997
9. Environmental Audit Report of Kaduna Machine Works Limited 1998
10. Environmental Audit Report of Zaria Industries Limited (ZIL) 1998
11. Environmental Audit Report of Supertex Kaduna 1998
12. Environmental Audit Report of Nortex Kaduna 1998
13. Rehabilitation of Doka and Kauran Wali Community Forest, Kudan Local Govt. Area, Kaduna State 1998
14. Workshop on Protection of Community Forest Reserves in Kudan Local Government, Kaduna State 1998
15. Rehabilitation of Mayare Industrial Plantation ,Makarfi Local Government Kaduna State 1998
16. Fire tracing and Rehabilitation of Birnin Gwari Local Government Industrial Plantation, Kaduna State 1998
17. Training of sixty small holder farmers in Ten communities for safe use of Agro-chemicals in Kaduna State UNDP stakeholders Board for Agriculture and Environment 2000
18. Establishment of Ten community forests through participatory approach in Ten Local Government Areas of Kaduna State for UNDP stakeholders Board for agriculture and Environment 2000

- | | |
|--|-------------|
| 19. Environmental Post Impact Assessment of crude oil spill/pollution site at Km 198 Izom-Sarkin Pawa on 2C Nigerian National Petroleum (NNPC) Product pipeline | 2003 |
| 20. Environmental Impact Assessment of British American Tobacco (BAT) Cigarette Factory, Ibadan | 2003 |
| 21. Environmental Audit of Ashaka Cem Plc | 2004 |
| 22. Development of Terms of Reference (TOR) for Environmental Impact Assessment of the Proposed Bifurcation Structure at Likori in Hadejia-Nguru Wetlands Nigeria by Joint Wetlands Livelihoods (JWL DFID) Project | 2004 |
| 23. Biodiversity study in the lake Chad Basin Lake Chad Basin GEF Project RAF/00/G31/P070252 | (2005-2006) |
| 24. Environmental Audit of Cement Company of Northern Nigeria (CCNN) Sokoto, Nigeria. | 2007 |
| 25. Environmental Impact Assessment of Nigerian National Petroleum (NNPC) Retail outlet (Mega Station) Maiduguri,Nigeria. | 2007 |
| 26. Environmental Impact Assessment of National Petroleum (NNPC) Retail outlet (Mega Station) Maiduguri,Nigeria. | 2007 |
| 27. Environmental Impact Assessment of The Proposed Hydro Electric Power (HEP) along River Bunsuru by Zamfara State Government | 2008 |
- 17 WORKSHOPS /CONFERENCES ATTENDED**
- A International**
- (i) International Seminar on performance of Large Scale Irrigation Schemes in Africa. Abuja, Nigeria. Nov. 15th-19th, 1999.
 - (ii) First Living Lakes African Regional Conference "Our Lakes, our Livelihoods" Sustainable Management of African Lakes, Lake Victoria, ICIPE Center, Kisumu-Mbita, Kenya. 27-30th October 2005.
 - (iii) 11th World Lakes Conference, Kenyatta International Conference Centre Nairobi ,Kenya, 31st October - 4th November 2005.
 - (iv) "From Desert to Oasis": Role of Science and Research in combating Desertification in Semi- Arid sub-Saharan Africa*23rd -25th September 2006, Niamey, Niger, West Africa.
 - (v) IW: LEARN Regional Workshop on Economic Valuation and Water-Related Decision Making. EIER-ETSHER, International Institute of Environmental and Hydraulic Engineering, Ouagadougou, Burkina Faso,6th - 8th November 2006
 - (vi) 12th World Lakes Conference, "Conserving Lakes and Wetlands for future" Birfa International Conference Center, Jaipur, Rajasthan State, India, 26th October – 2nd November 2007.
 - (vii) 5th World Water Forum "Bridging divides for water" Istanbul,Turkey, 16th to 22nd March 2009.
 - (viii) United Nations Framework on Climate Change Convention COP 16,Cancun Mexico 29th November – 10th December 2010
 - (ix) United Nations Framework on Climate Change Convention COP 17,Durban South Africa.28th November – 9th December 2011
- B Local**
- (i) National Training Workshop and capacity-building For Federal Ministry of Environment – Accredited Environmental Consultants in Nigeria. Organised by the Fed Min OF Environment and University of Lagos Linkage Centre, University of Lagos Conference Centre, 20th – 21st July 2004.

- (ii) Balarabe,M.L (2005) The impacts of Environment on Safe Portable water.A paper presented at a one day symposium organized by the Pharmaceutical Society of Nigeria,Kaduna State Branch,Women Multipurpose Centre,Kaduna.20th September 2005.
- (iii) National Workshop on Integrated Water Resources Management (IWRM) Nigeria Under the Lake Chad Basin Commission/Global Environment Facility (LCBC/GEF) Project. Royal Tropicana Hotel, Kano, Nigeria 26th – 28th September 2005.
- (iv) National Workshop on Inland Capture fisheries in Nigeria, Organized by the Federal Ministry of Agriculture and Water Resources, National Water Resources Institute(NWRI) Kaduna,20th – 22nd February 2007.
- (v) First National Water and Sanitation Forum, Sheraton Hotel and Towers,Abuja,Nigeria.29th August – 1st September 2006.
- (vi) Global Water Partnership West Africa (GWP -Nigeria)"Integrated Water Resources Management "Assembly of Partners Meeting, Rockview Hotel, Abuja,3rd April 2007.
- (vii) Reoptimization of the operations of Tiga and Challawa Gorge Dams and Irrigation Systems and other water Bodies to Restore Livelihood and Ecological Functions In the Hadejia-Nguru-Yobe-Lake Chad Basin. Royal Tropicana Hotel Kano, Nigeria, 22nd – 23rd August 2007.
- (viii) First National Water and Sanitation Forum, Sheraton Hotel and Towers, Abuja, Nigeria. 29th August – 1st September 2006.
- (ix) Global Water Partnership West Africa (GWP -Nigeria)"Integrated Water Resources Management "Assembly of Partners Meeting, Rockview Hotel, Abuja ,3rd April 2007.
- (x) Reoptimization of the operations of Tiga and Challawa Gorge Dams and Irrigation Systems and other water Bodies to Restore Livelihood and Ecological Functions: In the Hadejia-Nguru- Yobe-Lake Chad Basin. Royal Tropicana Hotel Kano, Nigeria,22nd – 23rd August 2007.
- (xi) First Ecological Society of Nigeria(EcSN) Conference , National Veterinary Research Institute (NIVR) Vom-Jos,Plateau State,Nigeria,15th-20th October 2007
- (xii) Climate Change Adaptation Strategies for sustainable livelihoods' For the North East and North West Geo-Political Zones of Nigeria,Organised by Special Climate Change Unit Federal Ministry of Environment in collaboration with Heinrich Boll Stiftung (HBS) Foundation,Shukura Hotel,Sokoto,25th- 28th June 2008 Training Workshop for National Experts on Climate Change in Nigeria,Sharon Hotel Abuja,Nigeria,21st– 25th January 2008
- (xviii) "The role of traditional institutions in sustainable environmental management" Organized by Kaduna State Government for District Heads in the three senatorial zones of the State (Kaduna,Zaria and kafanchan) 4th to 11th November 2008
- (xix) "Living with Climate Change" for the North East and North West Geo-Political Zones of Nigeria, Organised by Special Climate Change Unit Federal Ministry of Environment in collaboration with Heinrich Boll Stiftung (HBS) Foundation,Liyafa Hotel,Katsina14th- 17th April 2009
- (xx) "Policy Dialogue on the Road to the Road to Copenhagen" Organised by Special Climate Change Unit Federal Ministry of Environment in collaboration with Heinrich Boll Stiftung (HBS) Foundation, Vines Hotel, Area I, Garki, Abuja, 20th -21st August 2009
- (xxi) Inaugural National Round table conference "National Climate Change Awareness and opportunities to put Nigeria on the path of low carbon economic development" Organised by The Special Climate Change Unit,Federal Ministry of Environment, Ladi Kwali Hall, Sheraton Hotel and Towers, Abuja, Nigeria,27th August 2009.
- (xxii) Global Water Partnership / National Stakeholders Consultative Assembly

Federal Ministry of Agriculture and Water Resources/Nigeria Integrated Water Resources Commission, Royallon Hotel Area 3, Garki- Abuja,
15th - 20th October 2009

(xiii) Post COP 15 National Climate Change Summit * National Climate Change Awareness and Global Climate Agreement Process* Conference Hall, Shehu Musa Yar'adua Centre, Abuja, Nigeria, 15th – 16th February 2010

18. PUBLICATION:

(a) In peers Reviewed Journals

- (i) M.M Kapu., **M.L Balarabe**, and M.G Udomah., (1989) Effect of extent of insect damage on the protein contents of maize, guinea corn and cowpeas from Zaria, Nigeria Nutrition Reports International. Vol. 40 NO 6:1159-1163.
- (ii) Moses M. Kapu., Helmina O. Akanya, Regina A Ega., Elakeche O. Olofu, **Mohammed L. Balarabe** and David J. Schaeffer (1991), concentrations of trace and other elements in the organs of wild rats and birds from Northern Guinea Savannah of Nigeria. Bull Environ. Contam. Toxicol. Vol 46:79-83.
- (iii) Moses M. Kapu, Modupe M. Ipaye, Regina A Ega. Helmina O. Akanya, **Mohammed L. Balarabe** and David J. Schaeffer (1991) Lichens as Bioindicators of Aerial Fallout of heavy metals in Zaria, Nigeria. Bull environ Contam. Toxicol. Vol 47 NO. 3:432-436.
- (iv) Sallau, M.S., Ega R.A.I and **Balarabe M.L** (2003). The nutrient potentials of *Ziziphus Mauritiana* and *Ziziphus spina-christi*: Journal of tropical Biosciences. Vol. 3:95-98.
- (v) M.S. Sallau, **M.L Balarabe**, and R.A.I Ega, (2004) Assessment of the Proximate composition of *Telfarea occidentalis* and *Cucurbita pepo*. Chemclass Journal. 108-109 Chemical Society of Nigeria.
- (vi) J. Auta J.K., balogun, **M.L ., Balarabe**, and T.T Gbem. (2004). The susceptibility of Juveniles of *Clarias gariepinus* (Teugels) to two pesticides commonly used in Nigeria. Chemclass Journal. 145 – 149 Chemical society of Nigeria.
- (vii) Adebote, D. A., **Balarabe, M.L.**, Kogi, E., Oniye, S.J., and Olurunsola, G.O (2004) preliminary observation on helminth infection in pre -school Children in three villages in Zaria, Nigeria. Journal of Tropical Biosciences Vol. 4:83-88.
- (viii) Adakole, J. A. ,Mbah, C. E., Odeje, S.C and **Balarabe, M.L** (2004) Primary Productivity in Relation to Water Quality in Two Man Made Lakes in Zaria, Nigeria. Nigerian Society for Experimental Biology 4(1):37-42
- (ix) Ali, N. Oniye, S. J. **Balarabe, M. L** and Auta J. (2005) Concentration of Fe, Cu, Cr, Zn and Pb in Makera – Drain, Kaduna, Nigeria. Chem Class Journal, Vol (2):69-73
- (x) Sunday, P. Bako, Priscilla Daudu, **Mohammed L Balarabe** and Mathias Chia (2007) Occurrence and Distribution of Aquatic Macrophytes in Relation to the Nutrient Content in Sediments of Two Freshwater Lake Ecosystems in the Nigerian Savanna. Research Journal of Botany 2 (2):108-112.
- (xi) **Balarabe, M. L** and Abubakar, M. M (2007) Contribution to Some Elemental Accumulation in Nguru Lake North Eastern Nigeria. International Journal of Pure and Applied Sciences.1(1):26-29
- (xii) Abdullahi, M.S., Uzairu, A., Harrison, G.F.S., and **Balarabe, M.L** (2007) Trace metals screening of some tomatoes and onions from irrigated farmlands on the bank f River Chalawa, Kano, Nigeria. EJEAF che, 6(3):1869-1878
- (xiii) Nnaji, J.C., Uzairu, A., Harrison, G.F.S and **Balarabe, M** (2007) Heavy metals in muscles of *Oreochromis niloticus* and *Synodontis schall* of River Galma, Zaria, Nigeria. Biological and Environmental Sciences Journal For the Tropics 4 (1):181-185

Germany,127pp (ISBN:978-3-639-26368-8)

(c) **In Edited Proceedings**

- (i) Gbem T.T., **M.L Balarabe**, S.P Bako, J. Auta and J.K Balogun (1999). A study of the changes in physical characteristics of small man-made fresh water ecosystem in relation to aquatic vegetation: A case study of Bomo Lake, Zaria (1987-1997). Proceeding of the International Seminar on performance of large and small-scale irrigation schemes in Africa (Nwa, E.U., Adeniji, F.A., Abubakar, S.S and Jimoh, R.A. Eds). (15th to 19th November 1999) Abuja, Nigeria P 307-315 (ISBN:978-047-104-9).
- (ii) **M.L Balarabe**, A.A., Oladimeji, and S.M Abubakar (2000)An assessment of surface water quality of Makwaye farm lake in Samaru Zaria. In: Issues in Land Administration and Development in Northern Nigeria. (J.A Fakola, K. Ahmed, M.A Liman Administration Development in Northern Nigeria Department of Geography, Bayero University, Kano-Nigeria. March 12-15th 1995 pp 281-291. (ISBN:978-34897-0-4).
- (iii) **M.L Balarabe**, and Binta Abdulkarim. (2003) Sustainable Environment and Democracy in Nigeria: the missing link. In: Politics and Political Powers Relations in Nigeria. (Mike Kwanashie Ed) proceedings of the National Conference by the institute for development Research, Ahmadu Bello University Zaria, Nigeria pp 4-15 (ISBN:978-36657-3-1).
- (iv) Binta Abdulkarim and **M.L Balarabe**, (2003). Analyzing Nigeria's triple heritage: poverty environmental degradation and democracy. In Politics and Political Power relations in Nigeria. (Mike Kwanashie Ed) Proceedings of the National Conference by the Institute for Development Research. Ahmadu Bello University Zaria. Pp 263-280. (ISBN: 978-36657-3-1).
- (v) Balogun, J.K., **M.L Balarabe** and P.M Igberese (2005) Some aspects of limnology of Makwaye (Ahmadu Bello University farm) Lake, Samaru, Zaria. In Proceeding of the 19th Annual Conference of the Fisheries Society of Nigeria (FISON) (P.A Araoye Ed) Ilorin, Kwara State,Nigeria.29th November – 3rd December 2004
- (vi) Bako, S.P. and **Balarabe, M.L** (2005) Occurrence of aquatic macrophytes in relation to biotic and abiotic factors in a medium sized tropical Lake in the Nigerian Savanna. In Proceedings Volume II of the 11th World Lakes Conference,Nairobi,Kenya,31st October to 4th November 2005. (E. O. Odada, D. O. Olago, W. Ochola, M. Ntiba, S. Wandiga, N. Gichuki and H. Oyieke .Editors)Pp 340-335
- (vii) **Balarabe, M. L** (2005) Limnology in Nigeria Problems and Prospects. In Proceedings Volume II of the 11th World Lakes Conference,Nairobi,Kenya,31st October to 4th November 2005. (E. O. Odada, D. O. Olago, W. Ochola, M. Ntiba, S. Wandiga, N. Gichuki and H. Oyieke .Editors)Pp 336-339
- (viii) **Balarabe, M. L** and Balogun, J. K (2005) Problems of a Small Reservoir: A Case Study of Makwaye Lake in the Savanna Region of Northern Nigeria.In Proceedings Volume II of the 11th World Lakes Conference,Nairobi,Kenya,31stOctober to 4th November 2005. (E. O. Odada, D. O. Olago, W. Ochola, M. Ntiba, S. Wandiga, N. Gichuki and H. Oyleke .Editors)Pp 495-499
- (ix) J.A.Adakole,D.S.Abolude and **M.L.Balarabe** (2008) Assessment of water quality of A man Mada Lake in Zaria,Nigeria.In Proceedings of Taaf 2007 12th World Lakes Conference,Jaipur,Rajasthan State, India ,28th October – 2nd November 2007. (Sengupta,M and Delwani,R (Editors) Pp 1373-1382

(d) **Technical Reports**

- (i) World Bank Environmental Management Project in Nigeria Part 'C'

	"Study on pollution and clean up options for Kaduna River and its tributaries"	1997-1998.
(ii)	Environmental Audit Report of Norlex, Kaduna	1999
(ii)	Training of Sixty (60) small holder farmers in ten communities in Kaduna State for safe use of Agro-chemicals. A United Nations Development Programme (UNDP) Stake Holders Board for Agriculture and Environment.	June-Dec 2000.
(iv)	Environmental Post Impact Assessment of Crude Oil Spill/Pollution Site at Km 198 Izom-Sarkin Pawa on 2C NNPC Production pipeline.	2002
(v)	Biodiversity Study of the Nigerian Sector of the Lake Chad Basin. Lake Chad Basin Commission/Global Environment Facility (LCBC/GEF) Project RAF/00/G31/P070252	2005-2006
(vi)	Environmental Audit of Cement Company of Northern Nigeria (CCNN) Sokoto	2007

19 PROFESSIONAL PAPERS AND PRESENTATIONS:

- (i) **Balarabe, M.L** and **Oladimeji, A.A** (1991). Some metal concentrations in the surface water and sediments at Makwaye (ABU Farm) lake Samaru, Zaria Nigeria. A paper presented at the National Conference on Water Quality Monitoring and status in Nigeria. 16th-18th October, 1991. Durbar Hotel Kaduna. **Balarabe, M.L** and **Oladimeji, A.A** (1992). Physicochemical limnology of Makwaye (Ahmadu Bello University Farm) lake, Samaru, Zaria Nigeria. A paper presented, at the Seventh Annual Conference of the National Association for Aquatic Sciences (NAAS), held at the University of Ilorin, Kwara state Nigeria 25th to 28th October 1992.
- (ii) **Balarabe, M.L** and **Bako, S.P** (1997) Trends in the conservation and utilization of Biodiversity in the Nigerian Savannah. A paper presented at the 7th Annual Conference of Botanical Society of Nigeria (BOSON), Usmanu Danfodio University, Sokoto, 4th to 7th May 1997.
- (iii) **Oniye, S.J** and **Balarabe, M.L** (2000) Impact of human activities on some reservoirs and rivers: implications to fisheries. A paper presented at the 15th annual conference of the Fisheries Society of Nigeria (FISON), held at the UNIJOS 19th –25th March (2000).
- (iv) **Balarabe, M.L** (2000) Ecological impacts of Mining and sustainable environmental management in Kaduna State. A paper presented at a 2 day workshop on solid minerals development in Kaduna State. General Hassan House Kawo Kaduna 10th –11th October 2000.

20. ACADEMIC AWARD,

The 2005 Ibaraki Kasumigaura Prize on Lake Conservation instituted by the Governor of Ibaraki Prefecture Japan awarded at the 11th World Lakes Conference in Nairobi Kenya (a Certificate, a Trophy and a Cash Prize of \$2,500).

21 STATE NATIONAL SERVICE

- (a) **State /National/international**
 - (i) Member, Governing Council Kaduna State Polytechnic (now Nuhu Bamali Polytechnic) Zaria, 1994-1997.
 - (ii) Member Inter Ministerial Coordinating Committee (IMCC) on LCBC/GEF Project Reversal of Land and Water Degradation Trends in the Lake Chad Basin Ecosystem. 2006 to 2008
 - (iii) Panel Review Member set up by the Federal Ministry of Environment, Housing and Urban Development for the following:-

- Environmental Impact Assessment (EIA) of Ajakaton-Field Further Development, Yenogoa, Bayelsa State, 29th November – 2nd December 2006.
- Environmental Impact Assessment (EIA) of the Proposed OML-59 Exploratory Well drilling Project, Creek Motel, Yenogoa, Bayelsa State, 20th -23rd March 2007.
- Environmental Impact Assessment (EIA) of Nigerian Bottling Company (NBC) Proposed Plant, Rockview Hotel, Abuja, 31st March-2nd April 2007
- Environmental Impact Assessment (EIA) of the Proposed Aghalokpe – Boboruku-Jesse Road Project by the Niger Delta Development Commission (NDDC) Wellington Hotel, Warri, Delta State, 27th -29th August 2007
- Environmental Impact Assessment (EIA) of the Proposed Nigerian JV Wide 3D Seismic Acquisition Survey Project by Mobil Producing Nigeria Unlimited. Le Meridian Hotel Uyo Akwa Ibom State, 5th -8th September 2007
- Environmental Impact Assessment (EIA) of the Proposed KE Marginal Field Development Project, Hotel Presidential, Port Harcourt, Nigeria, July 2008
- Environmental Impact Assessment (EIA) of the Proposed Quarry, Asphalt and Crushing Plant Project by Impresit Bakolori PLC, Rockview Hotel, Abuja 4th – 5th October 2008
- Environmental Impact Assessment (EIA) of the Proposed Alaoji- Owerri-Onitsha 330 KV Transmission Line Project by Federal Ministry of Power and Energy Modotel Hotel, Owerri, Imo State, Nigeria. 3rd – 4th December 2008
- Environmental Impact Assessment (EIA) of the Proposed Egbema 338MW Power Plant by Federal Ministry of Power and Energy Modotel Hotel, Owerri, Imo State, Nigeria. 5th - 6th December 2008
- Environmental Impact Assessment (EIA) of the Proposed 900 MW Combined Cycle Power Plant Project by Korean Electric Power Corporation, Hamdala Hotel, Kaduna, Nigeria. 10th - 11th December 2008
- Technical Review session on "Draft National Adaptation Plan Action (NAPA) on Climate Change for Nigeria", Yets Guest House Hotels, Abuja 10th – 11th November 2008
- Environmental Impact Assessment (EIA) of the proposed Gelegele – Benin Road Excalibur Hotel, GRA, Benin, Edo State, Nigeria. 22nd -24th October 2009
- Chairman Panel Review on Environmental Impact Assessment (EIA) of Proposed Orient Petroleum Housing Estate, in Awka, Burn Hill Hotel, Opposite Government House, Awka, Anambra State, Nigeria. 16th – 18th December 2009.
- Environmental Impact Assessment (EIA) of Proposed dredging of Nworie River, Ministry of Petroleum and Environment, Imo State, Concorde Hotel, Owerri, Imo State, 17th – 10th March 2010
- Environmental Impact Assessment (EIA) of proposed petroleum storage facility in Lekki Free Trade Zone by Puma Energy, Eko Hotel and suites, Lagos, 26th – 28th April 2010
- Environmental Impact Assessment of Proposed Port Side Industrial layout, Calabar. Mengel Hotel Calabar 16th – 18th April 2012
- Environmental Impact Assessment of Proposed construction of Base Transceiver Stations (BTS) by Etisalat in the North-West Geopolitical Zone (Sokoto, Zamfara, Jigawa, Kebbi) Kano, Katsina and Kaduna States) Chelsea Hotel, Central Business District Abuja, 29th August – 2nd September 2012.

(iv) Member National Expert on Climate Change For Preparation of Nigeria's second National Communication, Federal Ministry of Environment, 2008- Date

- (v) Member, National Technical Working Group (NWTG) Environment Sub-Theme on Nigeria's Vision 20:20:20 National Planning Commission, 2009
- (vi) Member, National Technical Committee on REDD+, Fed Min of Environment 2010 -Date
- (vi) Member Federal Government Delegation to UNFCCC COP 16 Cancun, Mexico Dec 2010
- (vii) Member Federal Government Delegation to UNFCCC COP 17 Durban, South Africa Dec 2011.



Prof M. L. Balarabe



CURRICULUM VITAE

1. **Name:** Dr John Esitadimma Onyekuru
2. **Date of Birth:** 20th June, 1956
3. **Place of Birth:** Emekuku
4. **Marital Status:** Married
5. **Religion:** Christianity
6. **Nationality:** Nigerian
7. **State of Origin:** Imo State
8. **Local Government Area:** Owerri North L.G.A.
9. **Language Spoken:** English, Igbo
10. **Contact Address:** Federal Ministry of Environment
Plot 393/394 Augustus Aikhomu Way
Utako District, Abuja Nigeria
Phone: 08030882261
e-mail: johnonyekuru@yahoo.com
11. **Permanent Home Address:** Okwu Emekuku, Owerri, Imo State
Nigeria

12. **Education:**

<u>University Attended</u>	<u>Qualification</u>	<u>Course Studied</u>	<u>Year</u>	<u>Grade/Class</u>
University of Nigeria, Nsukka - Nigeria	B.Sc (Hon) Botany	Biological Science Courses	1981	Second Class Lower Division
University of Ibadan, Ibadan Nigeria	M.Sc Wildlife Management	Wildlife Management Courses	1985	M.Phil/PhD
University of Ibadan, Ibadan Nigeria	PhD Wildlife Utilization	Apiculture	2000	PhD

13. **Knowledge of English:** - Spoken (good) Written (good)
14. **Professional Background:**
- (i) Deputy Director in Charge of Conservation Division
 - (ii) CBD Secondary National Focal Point
 - (iii) National Focal Point CBD Clearing House Mechanism

CURRICULUM VITAE

CANDIDATE'S PERSONAL DETAIL

NAMES AND SURNAME : Fundisile Goodman Mketeni
KNOWN AS : Fundisile
LANGUAGES : Xhosa, English, Afrikaans
NATIONALITY : South African
ID NUMBER : 6510315701088
DATE OF BIRTH : 1965-10-31
CONTACT NUMBERS : 082 888 0978
E-MAIL ADDRESS : fmketeni@environment.gov.za
RESIDENTIAL AREA : Garsfontein, Pretoria
DRIVER'S LICENCE : Yes

EDUCATION

MATRICULATED : Zimlindile High School, 1984

FURTHER STUDIES

: National Diploma: Nature Conservation
Fort Cox College, 1988

: National Higher Diploma: Nature Conservation
Port Elizabeth Technikon, 1996

: Masters in Business Administration
University of Port Elizabeth, 2001
Not completed (Finished only 7 courses)

: Masters in Environmental Management
University of the Free State, 2011

BUSINESS CAREER HISTORY

2004 TO DATE

NATIONAL DEPARTMENT OF ENVIRONMENTAL AFFAIRS

EMPLOYED FROM : **April 2004 to date**

POSITION : **Deputy Director General: Biodiversity and Conservation**

DETAILED DUTIES :

- Expand and consolidate the network of National Protected Areas to ensure that the conserved ecosystems are fully representative of all the country's biodiversity
 - Ensure that the already conserved ecosystems are properly managed through the strengthening of the conservation legislative and regulatory framework, including the development and implementation of norms and standards for management of the various species in the country's ecosystems
 - Pursuing the reintegration of ecosystems across man-made political boundaries through the development of Transfrontier Conservation Areas
 - Ensuring that communities benefit from Protected Areas through the co-management of resources and beneficiation schemes, especially for the land claimant communities
 - Development of Biodiversity Conservation Policies and Regulations
 - Develop Climate Change Biodiversity Adaptation Strategies
 - Development of legislative tools and frameworks for the management of the World Heritage Sites
 - Stakeholder Management
 - Project Management
 - Financial Management
 - Tabling of my programme's strategic and business plans to parliament
 - Negotiate South Africa's interests in Multilateral Environmental and Heritage Agreements Convention on Biological Diversity (CBD), United Nations Convention to Combat Desertification(UNCCD), UNESCO World Heritage Convention, Convention on Migratory Species(CMS), RAMSAR Convention on Wetlands.
-

1996 TO 2001**SOUTH AFRICAN NATIONAL PARKS**

EMPLOYED FROM : **July 2003 to March 2004**

POSITION : **Chief Operating Officer**

DETAILED DUTIES :

- Management of parks through cluster system
 - 5 Regional Managers reporting to me
- Implementation of PEP programme
- Implementation of alien clearing programmes
- Budgets and Financials
 - Development of budgets and control of expenditure
 - Effective and timeous budget
 - Enhance income generation
 - Managing the Finance Manager
 - Compliance and clean audits
- Human Resource Management for Parks Departments
 - Implement performance management
 - Training and development
 - Implement Employment Equity Programme
- Park Establishment expansion and consolidation
 - Liaison with Planning Unit
 - Meeting of Land Consolidation Committee
 - Liaison with DEA, Department of Water Affairs and Forestry, United Nations Development Programme
 - Negotiations with land owners
 - Participate in Joint Management Boards and Joint Management Committees
- Implementation of SANParks line function
 - Liaison and co-operation with: Conservation Department
- Commercialisation Department
 - Achievement of SANParks objective in terms of Tourism, Social Ecology, Community Empowerment and BEE and Commercialisation

EMPLOYED FROM : **December 2002 – May 2003**

POSITION : **Acting Director Parks**

DETAILED DUTIES : **Driving the overall strategy of SANParks in the Parks Division**

EMPLOYED FROM : **2001 - 2002**

POSITION : **General Manager Operations**

DETAILED DUTIES :

- Responsible for operations in 19 National Parks
- Ensure the production of Strategic and Management Plans for the parks
- Ensure proper recruitment and selection of candidates for Management positions
- Employ equity for each park produced
- Ensure the EIA process is followed at all times when there are developments in the parks
- Ensure that operational plans together with budgets are in place for each park

EMPLOYED FROM : **1996 - 2001**

POSITION : **Park Manager**

DETAILED DUTIES :

- General Management of the Addo Elephant National Park (Tourism, Retail, Conservation, Marketing, Socio-Ecology, Finance, Administration etc)
- Instrumental in the production of the Greater Addo Document
- Implemented the expansion program of the park

1989 – 1996:

CONSERVATION AND TOURISM BOARD (COUNTOUR) NOW EASTERN CAPE PARKS

EMPLOYED FROM : **1994- 1996**

POSITION : **Acting Regional Manager**

DETAILED DUTIES :

- Responsible for management of 3 Game Reserves i.e. Double Drift, Mpofu and Tsolwana Game Reserves
- Co-ordinating all the activities in those 3 reserves each with a manager reporting directly to me
- Responsible for the management of budgets

- During third period I established community liaison structure and development Environmental Education Programmes for schools in the area and also updated the management plans of the reserve in order to embrace the new way approaching conservation.

EMPLOYED FROM : **1992 - 1994**
POSITION : **Reserve Manager: Double Drift Game Reserve**
DETAILED DUTIES : Overall management of the reserve

EMPLOYED FROM : **1991 - 1992**
POSITION : **Assistant Manager: Double Drift Game Reserve**
DETAILED DUTIES : Operations of the Reserve

EMPLOYED FROM : **1989 - 1991**
POSITION : **Trainee Assistant Manager: Double Drift Game Reserve**
DETAILED DUTIES :

- Staff Training
- Managing Tourism Operation
- Guest Relation Officer
- Community Liaison
- Infrastructure Maintenance
- Compliance and Law Enforcement

SERVE and SERVED IN THE FOLLOWING ORGANISATIONS

Isimangaliso Wetland Park Authority : Board member (Resigned)
 South African National Biodiversity Institute : Board member (Currently)
 South African National Parks : Board member (Resigned)
 National Lotteries Board's Heritage and Environment Distribution Agency : Agency member (term expired)
 International Conservation Union (IUCN) : Chair of the South African National Committee of IUCN

ACHIEVEMENTS : Mount Cameroon Project, 1996
: Black Lemur Research Project: Madagascar, 1997
: Chair of the 13th Session of the African Ministerial Conference on Environment (AMCEN) Senior Officials Segment

REFERENCES:

REFEREE : Mavuso Msimang
POSITION : Consulting/International Business Advisor
CONTACT NUMBER : 0833761006 or (011) 3142833

REFEREE : Paul Daphne
COMPANY NAME : South African National Parks
POSITION : Managing Executive: Parks
CONTACT NUMBER : (012) 426 5000 or 082 8065409

REFEREE : Wandile Mzazi
COMPANY NAME : Eastern Cape Parks and Tourism Board
POSITION : Regional Manager
CONTACT NUMBER : 0827818251

REFEREE : Dr Tanya Abrahamse
COMPANY NAME : South African National Biodiversity Institute
POSITION : CEO
CONTACT NUMBER : 0823206550 or (012) 8435000



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Asghar / Mohammadi Fazel**

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Niroo Hawaii Ave.,
Tehran 17479-93811
Iran

Telephone(s) +98 (0) 912 125 1308 (M)
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E-mail amfazel@gmail.com

Nationality Iranian

Date of birth 16 August 1965

Gender Male

Desired employment / Occupational field

More than 20 years experience working in a range of national, regional and international Multilateral Environmental Agreements. Has chaired the Subsidiary Body on Technical and Technological Advice (SBSTTA) of the Convention on Biological Diversity (CBD), held several scientific and academic positions and has been involved in many research studies in conservation, pollution control, environmental planning and economic valuation, mostly funded by the Global Environment Facility.

Work experience


<p>Dates March 2011 →</p> <p>Occupation or position held President</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<ul style="list-style-type: none"> • Coordinating the Institute. • Development of the regional research and training projects. • Work with regional stakeholders to ensure that programs are fit for purpose and address ECO's requirements <p>Institute of Environmental Science and Technology of Economic Corporation Organization (ECO_IEST), Standard Sq., Karaj, Iran</p> <p>Regional Intergovernmental Organisation</p>
<p>Dates April 2010 →</p> <p>Occupation or position held Fellow</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<ul style="list-style-type: none"> • Teach assigned courses. • Complete administrative assignments. • Participate in regular meetings, retreats and other events. • Provide technical support to the Department of Environment <p>University of Environment, Standard Sq., Karaj, Iran</p> <p>Academic</p>

Dates	March 2008 →
Occupation or position held	Senior Advisor
Main activities and responsibilities	<ul style="list-style-type: none"> • Coordinating the Conservation Commons. • Development of the UNEP-GEF projects. • Global Coordinator of the FNR_Rio Project
Name and address of employer	UNEP World Conservation Monitoring Centre 219 Huntingdon Road, Cambridge CB3 0DL United Kingdom
Type of business or sector	Intergovernmental Organisation
Dates	2006 – 2007
Occupation or position held	Deputy Head of Training and Research
Main activities and responsibilities	<ul style="list-style-type: none"> • Lead the research and training activities of DoE. • Involved closely with the training and research sectors to define programs and initiatives of the DoE. • Work closely aligned with the Senior Management Team. • Work with other stakeholders to ensure that programs are fit for purpose and address DoE's requirements.
Name and address of employer	Department of the Environment (DoE), Tehran, Iran
Type of business or sector	Governmental Organisation
Dates	2001-2007
Occupation or position held	Lecturer
Main activities and responsibilities	<ul style="list-style-type: none"> • Teach assigned courses. • Complete administrative assignments. • Participate in regular meetings, retreats and other events. • Review and respond to communications and requests for information.
Name and address of employer	College of Environment, Karaj, Iran
Type of business or sector	Academic
Dates	2001-2002 & 2006-2007
Occupation or position held	Dean of the College
Main activities and responsibilities	<ul style="list-style-type: none"> • Provide leadership based on principles on which the College was founded. • Promote the mission, contribute to the understanding of the College and augment its effectiveness, via communication with their home unit, the campus, and the community as a whole. • Participate in regular meetings, retreats, and other events. • Make significant contributions to the work of committees, task forces and other projects. • Review and respond to communications and requests for information, and contribute to the preparation of the College proposals and reports.
Name and address of employer	College of Environment, Karaj, Iran
Type of business or sector	Academic
Dates	2000
Occupation or position held	Visiting Fellow
Main activities and responsibilities	<ul style="list-style-type: none"> • Work on a research project that will result in peer-reviewed publication. • Collaborate work with other research staff. • Present public research seminars.
Name and address of employer	RMIT University, Melbourne, Australia
Type of business or sector	Academic
Dates	1998-2004
Occupation or position held	President/Director General

Main activities and responsibilities	<ul style="list-style-type: none"> • Provide leadership based on principles on which the Museum was founded. • Recruit, organize, train and supervise staff and volunteers. • Oversee, assess and supervise all national history museums of Iran. • Develop and implement research programs throughout the museum. 															
Name and address of employer	National Museum of Natural History, Tehran, Iran															
Type of business or sector	Governmental/Research Organization															
Dates	1997-2004															
Occupation or position held	National Project Manager <ul style="list-style-type: none"> • Facilitate liaison and cooperation with the central and provincial Government authorities. • Establish links with other relevant GEF projects and regional programmes in the course of the project implementation. • Liaise with UNDP and project partners to build an effective partnership for the successful delivery of expected project outcomes. 															
Main activities and responsibilities	<ul style="list-style-type: none"> • Ensure project activities are coordinated with activities of other governmental and non-governmental organizations and ensure that there is a clear decision-making process for project implementation. • Prepare workplans and project (including Budget) revisions and reports. • Ensure national legislation, rules and procedures are fully observed. • Provide technical input to project activities where appropriate. 															
Name and address of employer	UNDP, Tehran, Iran															
Type of business or sector	International Project															
Education and training																
Dates	1997 - 2004															
Title of qualification awarded	Ph.D. in Environmental Sciences															
Name and type of organisation providing education and training	Azad University, Iran															
Dates	1993-1995															
Title of qualification awarded	M.Sc. in Environmental Engineering															
Name and type of organisation providing education and training	Tehran University, Iran															
Dates	1990-1992															
Title of qualification awarded	B.Sc. p/t courses in Mathematical Application in Computer															
Name and type of organisation providing education and training	Azad University, Iran															
Dates	1988-1992															
Title of qualification awarded	B.Sc. in Natural Resources															
Name and type of organisation providing education and training	Tehran University, Iran															
Personal skills and competences																
Mother tongue(s)	Persian/Farsi															
Other language(s)																
Self-assessment																
<i>European level (*)</i>																
English	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="2">Understanding</th> <th colspan="2">Speaking</th> <th>Writing</th> </tr> <tr> <th>Listening</th> <th>Reading</th> <th>Spoken interaction</th> <th>Spoken production</th> <th></th> </tr> </thead> <tbody> <tr> <td>C1</td> <td>C1</td> <td>C1</td> <td>C1</td> <td>B2</td> </tr> </tbody> </table>	Understanding		Speaking		Writing	Listening	Reading	Spoken interaction	Spoken production		C1	C1	C1	C1	B2
Understanding		Speaking		Writing												
Listening	Reading	Spoken interaction	Spoken production													
C1	C1	C1	C1	B2												

	(*) Common European Framework of Reference for Languages	
Organisational skills and competences	<ul style="list-style-type: none"> • Medium level management 	
Computer skills and competences	<ul style="list-style-type: none"> • BBS/NOVELL/WEB Networks Management 	
Driving licence	<ul style="list-style-type: none"> • International Driving licences for car and motorcycle 	
Additional information	Book publications:	
	<ul style="list-style-type: none"> • Global Biodiversity Outlook, UNEP/CBD, 2010 • Global Environment Outlook, UNEP, 2008 • Biodiversity for Decision Makers, UNDP/GEF/DOE, 2001(1st edition), 2003(2nd edition) • National Biodiversity Action Plan, NBSAP, 2001 • Environment for Women, UNFPA/DOE, 2001 • Biodiversity for Trainers, UNFPA/DOE, 2001 • Valuing the Global Biodiversity, UNDP/DOE, 2000 • Paleontology and Biodiversity, UNDP/DOE, 2000 • Environment in Divine Instructions, Shahriar 1996(1st edition), ICO 1999(2nd edition) 	
	Annexes	
Study/Research Experience	<ul style="list-style-type: none"> • Facilitating National Reporting to Rio Conventions (UNEP/GEF) • 4th National Report to CBD (UNDP/GEF) • Conservation of Zagros Mountains (UNDP/GEF) • Conservation Commons (UNEP) • Biodiversity Indicators Partnership (UNEP/GEF) • National Capacity Self Assessment (UNDP/GEF) • DOE's Biodiversity Clearing House Mechanism (COE) • Conservation of Zagros Mountains (UNDP/GEF) • Designing the National Museum for Natural History (DOE) • National Biodiversity Strategy & Action Plan (UNDP/GEF) • Study on Gomishan Wetland (Ramsar Convention) • Asiatic Cheetah Conservation (IUCN/DOE/MUG) • Study on Tehran Province Rivers (NRF/DOE) • National Cultural Strategies - Environment Section (JD) • Tehran Province Air Pollutants (NRF/DOE) • Tehran Province Water & Soil Pollutants (NRF/DOE) • Hormozgan Province Water & Soil Pollutants (NRF/DOE) • Anzali Wetland Comprehensive Study (Gilan U.) • Air Pollution in Harbors (NRF) • Environmental Studies in Babol River (NRF) • Environmental Impacts of Azola on Anzali Wetland (NRF) • Khaanbebin Eco-Park Planning (NRF) 	<p>2009-2011</p> <p>2002-2004</p> <p>2009</p> <p>2008-2011</p> <p>2008-2009</p> <p>2007-2008</p> <p>2006-2008</p> <p>2002-2004</p> <p>1998-2004</p> <p>1998-2002</p> <p>1998-2001</p> <p>1998-2000</p> <p>1998-2000</p> <p>1998</p> <p>1994-1998</p> <p>1994-1998</p> <p>1994-1998</p> <p>1994-1998</p> <p>1995-1997</p> <p>1995-1997</p> <p>1994-1995</p> <p>1991</p>

Member of Professional Societies	<ul style="list-style-type: none"> • Scientific Advisory Council of the UNEP/WCMC 2003 to 2007 • Finance Committee of UNESCO/ICOM 2002 to 2004 • SBSTTA Bureau of UNEP/CBD 2001 to date • CHM Advisory Committee, Convention on Biological Diversity 2001 to date • National Sustainable Development Committee 2001-2007 • Red Crescent Organization, Volunteer Member 2000 to date • Steering Committee of UNDP/GEF/Wetland Project 1999-2002 • Regional Technical Group of IUCN/WESCAN/Biodiversity Program 1999 to date • UNESCO/ICOM, as treasurer of National Committee 1998-2003 • National Speleological Committee, as secretary 1998-2003 • IT Council of DOE 1998 to 2004 • Publications Council of DOE 1998 to 2007 • NATHIST Committee of UNESCO/ICOM 1998 to date • Individual Member of UNESCO/ICOM 1998 to date
Training Courses	<ul style="list-style-type: none"> • REDD+, NPB, Singapore, 2011 • Nano Technology and Environment, Tehran, Iran, 2011 • CO2 Capturing and CDM projects development, Karaj, Iran, 2011 • Organizational Management, GMTC, Tehran, Iran, 2006 • Medium Level Management-2, GMTC, Tehran, Iran, 2004 • Project Design, UNOPS, Tehran, Iran, 2001 • Sustainable Use of Biodiversity, UNDP/DOE, Shiraz, Iran, 2001 • NBSAP Strategy, IUCN/UNDP/DOE, Tehran, Iran, 2000 • Introduction to the Biodiversity Planning Support Program, UNEP, Nairobi, Kenya, 2000 • Medium Level Management-1, GMTC, Tehran, Iran, 2001 • Introduction to the GEF Projects, UNDP/GEF, Tehran, Iran, 1999 • Marine Biodiversity, UNDP/DOE/IGW, Bandar Abbas, Iran, 1999 • NBSAP Initiation Workshop, IUCN/UNDP/DOE, Tehran, Iran, 1999 • Environmental Agreements, UNITAR/UNDP, Tehran, Iran, 1998 • Air Pollution (4 workshops), Sweco-SMNHI-MTC(Japan), Tehran, Iran, 1999 • CD Replication, ODME, Eindhoven, The Netherlands, 1994 • CD Generation, PROCOM (USA), Munchen, Germany, 1994 • Computer Networks Management, CRSC, Karaj, Iran, 1990
Awards	<ul style="list-style-type: none"> • Research Advisor of DOE, Appreciation Letter for the 2nd Environmental Research Conference, 2004 • Head of DoE, Appreciation Certification for Management of the College of Environment, 2002 • Deputy Head of DOE, Appreciation Certification for Asiatic Cheetah Project (UNDP/GEF), 1999 • The 9th Kharazmi International Scientific Festival Letter of Appreciation, 1996 • Attainment the title of "Tehran University Honor M.Sc. Student", 1994 • The second Information Technology International Fair, Appreciation Certification, 1993 • The first Universities' Students Scientific Conference, 2nd position, 1990

CURRICULUM VITAE		
NAME	YOO, Yeon-Chul	
DATE OF BIRTH	5th June, 1961(Republic of Korea)	
EDUCATION	<p>1984 Yonsei Univ.(BA in Political Science), Korea</p> <p>1989 Oxford Univ.(Foreign Service Programme), UK</p> <p>1990 Reading Univ.(MA in Int'l Relation), UK</p>	
CAREER	<p>1993 Second Secretary to Tokyo, Japan</p> <p>1996 First Secretary to Ulanbaatar, Mongolia</p> <p>1998 Deputy Director, Northeast Asian Division, MOFAT</p> <p>2000 Consul to Toronto, Canada</p> <p>2003 Director, Environment Cooperation Division, MOFAT</p> <p>2005 Counsellor to Hanoi, Vietnam</p> <p>2008 Director, Energy & Climate Change Division, MOFAT</p> <p>2008 ~ 2012 Chair of the Standing Committee on Ramsar Convention</p> <p>2009 Deputy Director-General for Green Growth & Environment, MOFAT</p> <p>2010 Director-General ,International Cooperation Affairs, Presidential Committee on Green Growth</p> <p>2010 ~ CBD COP Bureau</p> <p>2011 ~ Director-General ,International Cooperation Office, Ministry of Environment</p> <p>First Session of IPBES Plenary Asian Group Bureau</p>	



DR. ZAKRI ABDUL HAMID

Dr. Zakri is the Science Advisor to the Prime Minister of Malaysia and Chairman of the National Professors Council. He is also Chairman of the Malaysian Biotechnology Corporation (BIOTECHCORP) and Joint Chairman of the Malaysian Industry-Government Group for High Technology (MIGHT).

Dr. Zakri has extensive experience in **biodiversity governance** at the national and international levels. He was the Founding President of the Genetics Society of Malaysia and was Chair of the National Taskforce to formulate the 'National Policy on Biological Diversity' launched by the Government in 1998. From 2001 to 2008, he was the Director of the Institute of Advanced Studies at the United Nations University in Japan. He co-chaired the UN-sponsored "Millennium Ecosystem Assessment" (2001–2005). He was the Chair of the Subsidiary Body on Scientific, Technical and Technological Advice (SBSTTA) for the Convention on Biological Diversity from 1997 to 1999. He was the Co-Chair of the UNEP High-level International Advisory Committee of the World Congress on Justice, Governance and Law on Environmental Sustainability held in Rio de Janeiro in June 2012 and a member of the CBD High-level Panel on the Aichi Biodiversity Targets.

Dr. Zakri's academic interests lie in genetics, biodiversity and bio-diplomacy. He is a recipient of the Langkawi Award and is a fellow of several learned bodies: the Academy of Sciences Malaysia; the Academy of Sciences of the Developing World; the Islamic World Academy of Sciences; and the World Academy of Art and Science. Dr. Zakri is a former Fulbright Scholar.

CURRICULUM VITAE

Name : Jay Ram Adhikari, PhD
 Present Position: Under Secretary (Technical)
 Organization: Ministry of Environment, Science and Technology
 Secretariat Complex, Singhdurbar, Kathmandu, Nepal
 Email: jradhikari@hotmail.com / jradhikari@gmail.com
 Citizenship at birth: Nepalese
 Present citizenship: Nepalese
 Country of residence: Nepal
 Marital status: Married
 Mailing address: P.O. Box 5832, Kathmandu, Nepal
 Telephone: +977 (1) 4377005(Res.)
 Mobile: +977- 9851127533

EDUCATION

- 2006-2011 **Doctor of Philosophy (PhD)**, Murdoch University, Perth, Western Australia
 Majors, Minors and Specialisations completed: Doctor of Philosophy in
Environmental Policy and Governance
Thesis title- *Political Conflict, Community Forest Governance and Livelihoods Linkages in Nepal*
- 1999 - 2001 **M.Sc. Geo-information Science and Earth Observation**
Specialization- Environmental System Analysis and Management,
 International Institute for Geo-Information Science and Earth Observation (ITC),
 the Netherlands
Course Taken: Forest Biodiversity Assessment and Conservation, Forest
 Degradation and Rehabilitation
M. Sc. Thesis Title: *Women, Natural Resources and Indigenous Technical Knowledge: Issues and Opportunities in Integrated Watershed Management, A Case Study of Tungan Sub-Watershed, Lalitpur District, Nepal*
- 1979- 1982 **Bachelor's Degree in Agricultural Science**, Tribhuvan University (TU), Nepal
 (First Division: 79%)
- 1977 - 1979 **Intermediate of Agricultural Science (I. Sc. Ag.)** TU, IAAS, Rampur, Nepal
 First Division (71.6%)

PROFESSIONAL TRAININGS

- 19-21 September 2012: **Orientation Programme on Climate Negotiation:** A Training Programme
 Organized to enhance the negotiating skills of Nepal's Core Negotiating Team (CNT) under the
 United Nations Framework Convention on Climate Change (UNFCCC)
- 23 June – 25 August, 2002: **Marine Ecosystem and Pollution Management**, University Putra
 Malaysia, Serdang, Malaysia
- 19 September – 23 October 2001: **Environmental Impact Assessment**, Pokhara University,
 School of Environmental Management and Sustainable Development, Kathmandu, Nepal
- July 26 – Aug. 13, 1999: **International Course on Community-Based Integrated Watershed
 Management**, International Institute of Rural Reconstruction, Silang Cavite, Philippines

2 - 27 March 1998: *Monitoring and Evaluation Course*, the Australian National University, Canberra and ANUTECH Pty Ltd, Australia.

25 September - 9 October 1995: *Environmental Conservation Technology and Management*, Korea Instituted of Science and Technology (KIST) and the Korea International Cooperation Agency (KOICA) of the Republic of Korea.

9 March - 7 April 1995: *Project Management*, Nepal Administrative Staff Collage, Jawalakhel, Kathmandu, Nepal.

30 June - 15 July 1991: *Basic Administration Training Course*, Nepal Administrative Staff College, Kathmandu, Nepal

21 October.- 29 November 1985 :*Agro-Forestry Course*, University of Philippines, College of Forestry, at Los Banos, College Laguna Philippines.

18 - 26 April 1985: *Integrated Watershed Planning*, FAO/UNDP, Watershed Management Project, Kathmandu, Nepal.

PUBLICATIONS

Adhikari, J. R., (2001) Community Based Natural Resource Management in Nepal with Reference to Community Forestry: A Gender Perspective, *Journal of the Environment*, Vol. 6 (7): 9-21.

Adhikari, J. R.,(2002) Women's Indigenous Knowledge in Natural Resource Management: A Case Study of Tungan Sub-Watershed, Lalitpur District Nepal , *Journal of the Environment*, Vol. 7 (8): 60-73.

Adhikari, J. R. and Pokhrel, N.P., (2004) Government Policy on Management of Hazardous Substances. In: Thapa, D.B., Manandhar, D.N., Adhikari, J.R. and Bista, S.(Eds.) Implementation of the Stockholm Convention on Persistent Organic Pollutants(POPs) Enabling Activities in Nepal. Proceedings of Inception Workshop. UNIDO/MOPE/POPs Enabling Activities Project, 36-54.

Thapa, D.B., Joshi, J.R., Bista, B.G., Adhikari, J.R., Sharma, N.S.,(2004) Nepal: National Action Programme on Land Degradation and Desertification in the Context of United Nations Convention to Combat Desertification (UNCCD), Ministry of Population and Environment, Kathmandu.

Adhikari, J. R., (2005) POPs and Women: A Legacy of Environmental Harm and Threats to Health, *Journal of the Environment*, Vol. 9 (10): 77-86.

Adhikari, J.R. (2004) The Issue of Persistent Organic Pollutants (POPs): Effects to Human Health and Environment, *Journal of the Environment*, Vol. 8 (9): 1-8.

B. International Conference/Workshop attended/Presentation

18-19 November 2011, Thimbu, Bhutan: Involved as Negotiator representing Government of Nepal for finalizing Ministerial Declaration on the Framework of Cooperation and Institutional Mechanism for the Implementation of Framework of Cooperation under the Bhutan Climate Summit for the Living Himalayas

7-11 November 2011: Participated in a Technical Workshop on *Review of the Assessment on Capacity Building and Policy Needs on Sustainable Production and Consumption (SCP)* under the SWITCH-ASIA Policy Support Component organized by United Nations Environment Programme (UNEP)

10-21 October 2011, Changwon City, Republic of Korea: Participated in the Tenth Session of the Conference of the Parties (COP 10) to the United Nations Convention to Combat Desertification (UNCCD), and the Tenth Session of the Committee on Science and Technology (CST10) and the Tenth Session of the Committee for the Review of the Implementation of the convention (CRIC 10)

25-26 July 2011, New Delhi India: Participated and presented paper on *“Building Climate Resilience for Food Security and Rural Livelihoods”* held at National Agricultural Science Centre (NASC), Pusa, New Delhi, India

2-3 July 2011, Pan Pacific Sonargaon Hotel, Dhaka, Bangladesh: Participated and presented paper on *Regional Water Expert Group Meeting for the Climate Summit for a Living Himalayas*

10-14 January 2011, Hyderabad, India: Paper presented on 13th Biennial Conference of the International Association for the Study of the Commons with a theme Sustaining Commons: Sustaining Our Future.

Title of the Paper- *Community-based forest Management and the Maoist Insurgency: The Impacts of the Decade Long Armed Conflict on Environment Governance and Livelihoods security in Nepal*

28th June – 1st July 2010, Siem Reap, Cambodia: Paper presented on International Workshop on Collective Action, Property Rights, and Conflict in Natural Resources Management

Title of paper- *Political Conflicts and Community Forestry: Understanding the Impact of the Decade-Long Armed Conflicts on Environment and Livelihood Securities in Rural Nepal*

2nd to 3rd October 2008: *South Asia: Environment and Human Securities Conference*, Australia, Canberra, Australia organized by The ARC Asia Pacific Futures Research Network and Australian Aid for International Development (AusAID).

1st to 6th April 2008: *Production of User and Environment Friendly Pesticide Formulations and Quality Assurance Workshop*, New Delhi India organized by Regional Network on Safe Pesticide Production and Information for Asia and the Pacific (RENPAP), India and United Nations Industrial Development Organization (UNIDO), Vienna Austria

27-28 September 2007: *South Asia Update and Poverty Dynamics Conference*, Canberra, Australia organized by The ARC Asia Pacific Futures Research Network and Australian Aid for International Development (AusAID).

17 to 28 October 2005: *Participated in the Seventh Session of the Conference of the Parties to the UN Convention to Combat Desertification*, Nairobi, Kenya as the representative of the then His Majesty's Government of Nepal.

9 – 13 August 2004: *Sub Regional Workshop on Action Plans within the NIP Projects with emphasis on PCBs, Dioxins and Furans*, Bangkok, Thailand organized by United Nations Environment Programme (UNEP), UNEP Chemicals.

16-23 November 2003: Salzburg Seminar, Fellow of Session 414: *Environmental Policy and Public Dialogue*, Schloss Leopoldskron, Salzburg, Austria

14-16 July 2003: *Launch Meeting of the Asia Regional Network on Capacity Building for Combating Desertification and Mitigating Droughts Impacts*, Ulaanbaator, Mongolia organized by the Secretariat of the United Nations Convention to Combat Desertification, Bonn.

13-15 May 2003: *International Irrigation Workshop*, Organized by DFID

13-14 March 2003: *8th Inter-Governmental Meeting of Asia-Pacific Network for Global Change Research (APN)* held in Hanoi, Vietnam.

18-20 December, 2002: *Third Sub-Regional workshop towards the Effective Implementation of the Chemicals and Hazardous Waste Related Conventions*: South Asia organized by United Nations Environment Program (UNEP) and South Asian Association for Regional Co-operation (SAARC).

8-11 April 2002 : *Regional Workshop for South East Asia on Polychlorinated Biphenyls (PCBs) and their Environmental Sound Management*, Siam City Hotel, Bangkok, Thailand organized by GTZ and Basel Convention Secretariat

7 – 9 November 2001: Participated and presented paper in the *International Forum on National Sustainable Development Strategies*, Accra, Ghana, organized by the United Nations Division for Sustainable Development.

4 – 5 October 2001 : *Hazardous Wastes Management* , organized by Asia Pacific Center for Transfer of Technology, New Delhi, India

STUDY TOURS/WORKSHOPS

10 Mar. – 11 Mar 2003 : *Regulating and Monitoring Capacity Building for EIA of Hydropower Projects in Nepal* Organized by Ministry of Population and Environment and Norwegian Government

18-20 December 2002: *Third Sub-Regional Workshop towards the Effective Implementation of the Chemicals and Hazardous Wastes Related Conventions*: South Asia organized by SAARC/UNEP, Kathmandu, Nepal

9-11 December 2002: *Integration of Environment and Quality Management Systems*, Kathmandu, Nepal Organized by UNESCO Asia Pacific Region.

7 – 8 May 2002: *Workshop on Environmental Law and its Enforcement in Nepal*, organized by Ministry of Population and Environment and World Wildlife Fund, Nepal

30 March – 10 April 1998: *Forestry Study Tour in New South Wales of Australia*, organized by The Australian National University

4 – 8 December 1989: *Workshop on Interpersonal Communication*, FAO/UNDP/HMG.

10 – 16 October 1988: *Study Tour on Soil Conservation and Watershed Management*, Chiangmai, Thailand.

7 – 11 December 1987: *Workshop on Planning Conservation Education Campaigns*,
FAO/UNDP/HMG, Nepal.

December 2 - 13, 1985: *Study Tour on Reforestation and Agro-Forestry Projects and Forest Based Small Scale Industries*, Philippines organized by USAID

EMPLOYMENT RECORD

Under Secretary (Technical) - April 19, 2011 to Date- Ministry of Environment, Science and Technology, Secretariat Complex, Singhdurbar, Kathmandu Nepal

Responsibilities:

- Lead and coordinate the process for the formulation of *Environmental Policy* and *State of Environment* (SoE) Report, Nepal,
- Implement environmental education programme to general public,
- Prepare annual plan, budget for environmental programmes and prepare progress report
- Prepare guidelines/directives and terms of reference of *environmental grant proposals*,
- Ensure equitable and fair distribution and participation of poor, and socio-economically disadvantaged section of the community in environmental grant projects;
- Screening of the proposals submitted by non-governmental organizations (NGOs), institutions and general public to carry out environment grant projects,
- Prepare work plan; preparation of the terms of reference for consultants, activity scheduling, and reporting procedure,
- Conduct workshops, training, on environment and climate change adaptation and prepare environmental appraisals and inventories,
- Carryout disaster risk reduction (DRR) awareness programmes specially focusing on climate change induced disasters,
- Monitoring of different environmental projects,
- Support to NGOs to carry our environmental conservation projects,
- Work as *Focal Point* for National Disaster Risk Reduction programme, *Science and Technology Correspondents* of United Nations Convention to Combat Desertification (UNCCD), Steering Committee Member of SAARC,
- Work as Steering Committee Member of the International Union for the Conservation of Nature (IUCN), Nepal, and Environment Protection Fund,
- Organize *World Environment Day, facilitate Environment Conservation Prize* to outstanding individuals, institutions and industries who have done exemplary work in the areas of environmental conservation,
- Liaison and coordinate with various donors and line agencies including civil society, NGOs and industries.

National Project Coordinator (September 2003-to December 2006), POPs Enabling Activities Project, a joint collaboration between Ministry of Environment, Science and Technology, Nepal and *United Nations Industrial Development Organization (UNIDO)*

Responsibilities:

- Lead and coordinate the day-to-day management of the project and the project staffs, including administration and financial management of the project,
- Prepare work plan, prepare terms of reference for international and national experts, activity scheduling, and implementation of project activities,

- Ensure the implementation of activities stipulated in the work plan such as field inventory, workshops, training, and environmental appraisals,
- Monitoring and supervision of the project activities undertaken by consultants and experts; review of technical and progress reports; the achievement of project outputs and objectives; and cost control,
- Coordinate with and involve national stakeholders in the project management and inventory preparation,
- Act as a Member Secretary of the National Steering Committee involving different line ministries, FECOFUN, Civil Society Organization (CBO) and private sector to prepare National Implementation Plan (NIP) on Persistent Organic Pollutants (POPs) under the Stockholm Convention on POPs,
- Prepare and submit National Implementation Plan (NIP) on POPs to the Government of Nepal for final approval,

Under Secretary (Technical) - 23 march 2001- 2 September. 2003, Ministry of Population and Environment, Kathmandu, Nepal

Responsibilities:

- Formulate environmental policy, plans and programs,
- Annual programming, budgeting and implementation of programmes like wetland conservation, afforestation, water source conservation and conservation of biodiversity,
- Act as a Focal Officer for the Stockholm Convention on Persistent Organic Pollutants (POPs), United Nations Convention to Combat Desertification (UNCCD) and the Vienna Convention on the Protection of the Ozone Layer,
- Periodic reporting to Multilateral Environmental Agreements Secretariats,
- Prepare guidelines, report writing and conduct trainings and workshops on various issues related to environment management,
- Implement various community-based natural resource conservation programmes involving NGOs,
- Monitoring and evaluation of programmes

Project Chief (25 November 1998 – 22 March 2001), District Soil Conservation Office, Kavrepalanchok, Nepal, under Bagmati Integrated Watershed Management Project funded by European Union (EU).

Responsibilities:

- Prepare annual budget, programmes and implement integrated watershed management activities to reduce natural hazards such as floods, landslides and soil erosion in the critical watersheds in the district,
- Establish linkages and networking with all other related sectors like forestry, agriculture, livestock, water and land resources,
- Ensure people's participation through conservation extension education and demonstration of appropriate soil conservation technologies,
- Enhance capacity of technical staffs through trainings, observation tour related to various aspects of soil conservation and watershed management,
- oversee the implementation of programme implementation,
- Promote and strengthen community-based natural resources management practices within user community for reducing poverty and building local governance for the sustainable management of natural resources,

- Launch income-generating activities to uplift the status of women and socio-economically marginalized people through introduction of agro-forestry , fruit and vegetable farming and on-farm conservation activities,
- Coordinate with donor and line agencies for the smooth implementation of the programmes,
- Establish farmer's field demonstration centre to demonstrate conservation farming and soil conservation activities,
- Conduct training, workshops for women and community members;
- Supervise the work performance of technical and administration staffs for the smooth delivery of planned activities
- Monitoring and evaluation and overall project management.

District Soil Conservation Officer (8 January 1995 – 24 November 1998), District Soil Conservation Office, Tanahun District, Nepal

Responsibilities:

- Prepare overall district level sub-watershed management plan;
- Implement community based forest management, soil conservation and watershed management programs;
- Establish micro- watershed demonstration centre;
- Establish on-farm demonstration site on farmer's field;
- Coordinate with donor, line agencies, NGOs and communities;
- Conduct workshop, seminars, and study tours;
- Disseminate environment education to create awareness about forest conservation, conservation of natural resources;
- Monitoring and evaluation and overall project management.

District Soil Conservation Officer (14 January 1993 – 7 January Oct. 1995), District Soil Conservation Office, Surkhet

Responsibilities:

- Prepare watershed management plan;
- Implementation of district level soil conservation watershed management programs;
- Coordination with different agencies;
- Conduct research on soil loss and runoff on different land use;
- Establishment of community based demonstration site for creating awareness on forest, soil conservation and watershed management;
- Conduct action research; develop policies and guidelines on development-environment linkages and integrated watershed management;
- Promote sustainable development through implementation of community-based natural resource management programmes;
- Implement poverty alleviation programmes by introducing income generation activities, women empowerment and social mobilization;
- Monitoring, evaluation and overall project management.

District Soil Conservation Officer (17 September 1991 -13 January 1993), District Soil Conservation & Watershed Management Office, Nuwakot District under Rasuwa - Nuwakot Integrated Rural Development Project funded by **World Bank.**

Responsibilities:

- Prepare of Soil Conservation and Watershed Management Plan;
- Implement of Soil Conservation & Watershed Management Programs;

- Establishment of Soil Conservation Demonstration Center;
- Undertake programmes on community forest management, agro-forestry, sustainable agriculture, and on-farm soil conservation;
- Training rural people to create awareness regarding soil conservation, watershed management & environment conservation;
- Conduct conservation education programmes;
- Project administration and management.

Chief of Extension Section (*July 1990 – 16 September 1991*) Watershed Management Project, HMG/UNDP Kathmandu, Nepal

Responsibilities:

- **Editor** - Conservation Newsletter published tri- monthly;
- Training staff in communication skills;
- Conduct national level workshop, seminars and study tours on forest management, soil conservation and watershed management and environment and gender issues;
- Develop participatory mechanism for involving local people with focus to women and disadvantaged in soil conservation and watershed management activities;
- Design and publish different extension and conservation education materials including posters, booklets, flip charts, pamphlets and other materials related to natural resource management, soil conservation and watershed management;
- Supporting mass media for publishing articles on soil conservation and watershed management issues.

Project In charge (*February 1986- July 1990*, District Soil Conservation and Watershed Management Office, Jumla District under Karnali –Bheri Integrated Rural Development Project funded by *Canadian International Development Agency (CIDA)*)

Responsibilities:

- Formulate and implementation of various district level afforestation programme, soil conservation and watershed management activities.
- Maintain a close coordination with donor and among the line agencies, to ensure smooth implementation of soil conservation and watershed management programmes.
- Establish good rapport with local people and the District Development Committee.
- Prepare annual program and budget in line with the guidelines obtained from the Ministry and the Department.
- Supervise on-going projects in the field
- Conduct trainings, workshop, observation tour to women and community members.

Assistant Soil Conservation Officer (*April 1983 – February 1986*), Rapti Integrated Rural Development Soil Conservation Project, Rapti Zone, Dang District, Nepal funded by United States Agency for International Development (USAID).

Responsibilities:

- Supervision of different soil conservation and watershed management activities being implemented in the Rapti Zone.
- Design and implement different soil conservation programs including, plantation, agro-forestry, and soil erosion control measures for better land use management.
- Planning and implementation of conservation education programs.

Research Associate (*March 1983- April 1983*), Agricultural Projects Services Center (APROSC), Kathmandu, Nepal.

Responsibilities:

- Involved in detail Household Survey of Rasuwa- Nuwakot Integrated Rural Development Project, Bagmati Zone, Rasuwa and Nuwakot District of Nepal.

Vocational Agriculture and Science Teacher (*August 1982 – November 1982*), Amar Secondary School, Chitwan District, Nepal.

Responsibilities:

Teaching students on subjects like agriculture and science.

FELLOWSHIPS/RESEARCH AWARDS

Decorated with the '*Nepal Academic Award Medal 'A'*' by the Right Honorable President of Nepal Dr. Ram Baran Yadav on 8 September, 2012 on the occasion of International Literacy Day and National Education Day.

Developing Australian Capacity in South Asia (DACSA) Fellowship awarded by Australian Agency for International Development (AusAID) for the study of Doctor of Philosophy (PhD) at Murdoch University, Perth, Australia

Netherlands Fellowship Programme (NFP) to undertake Master’s Degree in Environmental System Analysis and Management in the ITC, the Netherlands.

Diligent Scholarship throughout undergraduate study (1977 - 1982) at Tribhuvan University, Institute of Agriculture and Animal Sciences at Rampur Chitwan from, Nepal

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Member: Nepal Foresters Association (NFA)

Member: International Association for the Study of the Commons, Mexico

Associate: Asia Research Centre, Murdoch University, Australia

Founder Member: Nepal Multipurpose Agriculture Cooperative Society (NEMACOL), Kathmandu, Nepal

Member: Soil Conservation Society of Nepal

Member: Nepal Agriculture Association.

Member: Action Group for Geographic Information, Nepal

Member: National Land Use Formulation Technical committee

LANGUAGE SKILLS

Language	Reading	Speaking	Writing
Nepali	Native	Native	Native
English	Excellent	Excellent	Excellent
Hindi	Excellent	Good	Good

REFEREES

Mr. Krishna Gyawali
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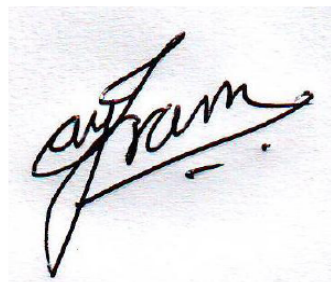
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Certification:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.



Name: Jay Ram Adhikari
Date: 27 September 2012

**Europass
Curriculum Vitae**



Personal information

First name(s) / Surname(s) **Senka Barudanovic**
 Address(es) Stolacka 32, 71 000 Sarajevo, Bosnia-Herzegovina
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 E-mail sebarudanovic@gmail.com
 Nationality Bosnian
 Date of birth 21.02.1961.
 Gender Female

Occupational field

S. Barudanovic has 24 years of experience in education and research of Balkan plant diversity and ecology. In a transitional time of post-war period in her country, she has gained the knowledge, experience and skills relevant to the sustainable management of biodiversity at the sub-national, national, regional and international level. After COP 10 (Nagoya, Japan) she has served as a chair of the Subsidiary Body on Scientific, Technical, Technological Advice of Convention on Biological diversity.

Work experience

Dates	2009 -
Occupation or position held	Associate professor
Main activities and responsibilities	Education and developing of new educational models for conservation and sustainable use of biodiversity
Name and address of employer	Faculty of Science, Zmaja od Bosne 33-35, Sarajevo
Type of business or sector	Academic and research institution
Dates	2003 -
Occupation or position held	Assistant professor
Main activities and responsibilities	Education
Name and address of employer	Faculty of Science, Zmaja od Bosne 33-35, Sarajevo
Type of business or sector	Academic and research institution

Dates	1997 -
Occupation or position held	Assistant
Main activities and responsibilities	Education
Name and address of employer	Faculty of Science, Zmaja od Bosne 33-35, Sarajevo
Type of business or sector	Academic and research institution
Dates	1992 – 1995
Occupation or position held	No occupation, status of refugee
Dates	1984 - 1992
Occupation or position held	Assistant
Main activities and responsibilities	Inventory and state of biodiversity
Name and address of employer	Biological Institute, University of Sarajevo, Vojvode putnika bb., Sarajevo
Type of business or sector	Research institution

Education and training

Dates	1984
Title of qualification awarded	B.Sc. in Biology
Principal subjects/occupational skills covered	Plant and animal ecology, Environmental sciences, Ecosystem ecology
Name and type of organisation providing education and training	Faculty of Science, Department for Biology, University of Sarajevo
Dates	1997
Title of qualification awarded	M.Sc. in Biology
Principal subjects/occupational skills covered	Plant ecology
Name and type of organisation providing education and training	Faculty of Science, Department for Biology, University of Sarajevo
Dates	2003
Title of qualification awarded	Ph.D in Biology
Principal subjects/occupational skills covered	Plant community ecology
Name and type of organisation providing education and training	Faculty of Science, Department for Biology, University of Sarajevo

Project experience last ten years

Dates 2007 - 2009

Title of project	CBD's PoWPA WWF Dinaric Arc Ecoregion Project,
Position held	National scientific Coordinator
Dates	2009
Title of project	Fourth national Report of Bosnia-Herzegovina to the CBD
Position held	Consultant
Dates	2007- 2008
Title of project	Strategy for protection of environment in Federation of BiH
Position held	Coordinator of Natural/cultural heritage WG
Dates	2006- 2007
Title of project	Evaluation of karsts field ecosystems diversity in Federation of BiH as contribution to CBD' PoWs in accordance to Targets 2010
Position held	Consultant, Biodiversity WG
Dates	2006- 2009
Title of project	National strategy and action plan for protection of biological and landscape diversity in BiH
Position held	Project manager
Dates	2005- 2009
Title of project	Integrated river basin management for the Sava
Position held	Consultant, Biodiversity WG
Dates	2005- 2009
Title of project	Establishment of Emerald network in Bosnia-Herzegovina
Position held	Biodiversity team member
Dates	2005- 2009
Title of project	Third national report of Bosnia-Herzegovina to the CBD
Position held	Project coordinator
Dates	2004-2005
Title of project	Local Environment Action Program for the municipality Novi Grad Sarajevo
Position held	Project coordinator
Dates	2003
Title of project	Programme for sustainable management of the Skakavac PA
Position held	Consultant
Dates	2001-2002
Title of project	Valorization of Natural Values in Skakavac area
Position held	Consultant

Personal skills and competences

Mother tongue (s) **Bosnian**

Other language(s)
Self-assessment
European level (*)

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	B2	B2	B2

English

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences
Organisational skills and competences
Technical skills and competences
Computer skills and competences
Driving licence

Teamwork
Experience in projects organization and coordination
User experience
User experience
National

Membership

SBSTTA 14 Bureau
SBSTTA 15 Bureau
SBSTTA 16 Bureau

IPBES Bureau of 1st session of plenary
IPBES Bureau of 2nd session of plenary

Attendance and participation

- Seminar on Environmental Services and Financing for the Protection and Sustainable Use of Ecosystems, UN Geneva, 2005;
- European Community Clearing House Mechanism on Biodiversity, EEA, Copenhagen, 2005/06;
- EIONET – NRC Nature and Biodiversity workshop, EEA, Copenhagen, 2006;
- EIONET Biodiversity Workshops , EEA, Copenhagen, 2007/08
- Technical Workshop on Improving the Quality of Reporting on Designated Areas, EEA, Copenhagen, 2008;
- Regional workshop on the identification of the EEA core set of indicators and reporting system for the Western Balkan countries, FMPUIO, Sarajevo, 2006.;
- 13th meeting of Subsidiary Body for Scientific, Technical and Technological Advice fo Convention on Biodiversity, FAO, Rome, 2008;
- AHTEG on Biodiversity and Climate Change, Helsinki, 2009.;
- European Expert Meeting in Preparation of SBSTTA-14, Vilm, Germany, 2010;
- 14th meeting of Subsidiary Body for Scientific, Technical and Technological Advice fo Convention on Biodiversity, Nairobi, Kenya, 2010,
- CBD WGRI 3, Nairobi, Kenya
- Tenth meeting of the Conference of the Parties to the Convention on Biological Diversity, Nagoya, Japan, 2010;

- International Expert Workshop in support to the AHTEG on indicators for the Strategic Plan for Biodiversity 2011-2020, UNEPWCMC, BIP, SCBD, High Wycombe, UK, 2011;
- Global partnership for plant conservation – Supporting the worldwide implementation of the Global Strategy for Plant Conservation, St Louis, Missouri, U.S.A., 2011.;
- Regional Workshop for Europe on Updating National Biodiversity Strategies and Action Plans, Vilm, Germany, 2011.;
- The first Global Conference of IPSI, Aichi, Japan, 2011,
- IPBES, 1st session of plenary, Nairobi, Kenya; 2011:
- AHTEG on addressing the risks associated with the introduction of alien species as pets, aquarium and terrarium species, and as live bait and live food, Geneva, 2011;
- CBD WG 8(j), 2011, Montreal, Canada
- 15th meeting of Subsidiary Body for Scientific, Technical and Technological Advice fo Convention on Biodiversity, Montreal, Canada, 2011.;
- European Expert Meeting in Preparation of SBSTTA-16", Vilm, Germany, 2012;
- IPBES, 2nd session of plenary, Panama City, Panama; 2012;
- 16th meeting of Subsidiary Body for Scientific, Technical and Technological Advice fo Convention on Biodiversity, Montreal, Canada, 2012.;
- CBD WGRI 4, Montreal, Canada, 2012.

CURRICULUM VITAE
Adalberto Luís Val, Dr.

(Updated on Apr 2011)

Date of Birth: 31 July, 1956
Citizenship: Brazilian
Wife: Vera Maria Fonseca de Almeida e Val
Address: INPA – Av. André Araújo, 2936 - Aleixo
69083-000 Manaus, AM - Brazil
e-mail: dalval@inpa.gov.br

Education

1986. PhD. Aquatic Biology. National Institute for Research in the Amazon, Manaus, Brazil
1990. Post Doc. Fish Physiology. Dept of Zoology. University of British Columbia, Vancouver, Canada

Administration

2004-2006. Chair of the National Committee of Post-graduation Programmes in Biology
2006- . General Director of The National Institute for Research in the Amazon (INPA)

Employment

1980 – Present. National Institute for Research in the Amazon, Manaus, Amazonas, Brasil

Other Professional Activities

Member of G-7 group for the Pilot Programme to Protect the Tropical Rainforest
Referee for several Journals and Periodicals
Member of peer review committees, including Brazilian National research Council, FAPESP, NSF-USA.

Awards and Scholarships

- 11) Cross of the State Order of Scientific Merit (State of Amazonas, Brazil)
- 10) National Research Council (CNPq) – Research Fellowship type IA
- 9) Elected member of the National Academy of Science
- 8) Cross of the National Order of Scientific Merit (Brazil)
- 7) Congressional Legion of Honor, International Congress on the Biology of Fish, American Fisheries Society (2000)

Recent Grant Awards

ADAPTA – Adaptations and gene expression in aquatic organisms of the Amazon (US\$1 million/year).
Period 2009-2014
Genogigas – Genotype of the Amazon fish *Arapaima gigas* (US\$ 200,000.00) Period: 2006-2008
UV and fish of the Amazon. FAPEAM. R\$100,000.00 (US\$38,000.00). Period: 2003-2005
Bioindicators of environmental change. PRONEX-CNPq. \$400,000.00 (US\$150,000.00). Period: 2004-2007.

Recent Publications

104. Maunder, R.J.; Buckley, J.; Val, A.L.; Sloman, K.A. (2011) Accumulation of dietary and aqueous cadmium into the epidermal mucus of the discus fish *Symphysodon* sp. *Aquatic Toxicology*, 103, 205–212.
103. Anjos, N.A.; Schulze, T.; Brack, W.; Val, A.L.; Schirmer, K.; Scholz, S. (2011) Identification and evaluation of *cyp1a* transcript expression in fish as molecular biomarker for petroleum contamination in tropical fresh water ecosystems. *Aquatic Toxicology*, 103, 46-52.
102. Duarte, R.M.; Honda, R.T.; Val, A.L. (2010) Acute effects of chemically dispersed crude oil on gill ion regulation, plasma ion levels and haematological parameters in tambaqui (*Colossoma macropomum*). *Aquatic Toxicology*, 97, 134-141.
101. Groff, A.A.; Silva, J.; Nunes, E.A.; Ianistcki, M.; Guecheva, T.N.; Oliveira, A.M.; Oliveira, C.P.F.; Val, A.L.; Henriques, J.A.P. (2010) UVA/UVB-induced genotoxicity and lesion repair in *Colossoma macropomum* and *Arapaima gigas* Amazonian fish. *Journal of Photochemistry and Photobiology. B, Biology*, 99, 93-99.
100. Aride, P.H.R.; Ferreira, M.S.; Duarte, R.M.; Oliveira, A.M.; Freitas, D.V.; Santos, A.L.W.; Nozawa, S.R.; Val, A.L. (2010). Ascorbic Acid (Vitamin C) and Iron Concentration in Tambaqui, *Colossoma macropomum*, Iron Absorption. *Journal of the World Aquaculture Society*, 41, 291-297.
99. Gonzalez, R.J.; Brauner, C.J.; Wang, Y.X.; Richards, J.G.; Patrick, M.L.; Xi, W.; Matey, V.; Val, A.L. (2010) Impact of ontogenetic changes in branchial morphology on gill function. *Physiological and Biochemical Zoology*, 3, 322-332.
98. Barletta, M.; Jaureguizar, A.J.; Baigun, C.; Fontoura, N.F.; Agostinho, A.A.; Almeida-Val, V.M.F.; Val, A.L.; Torres, R.A.; Jimenes-Segura, L.F.; Giarrizzo, T.; Fabr e, N.N.; Batista, V.S.; Lasso, C.; Taphorn, D.C.; Costa, M.F.; Chaves, P.T.; Vieira, J.P.; Corr ea, M.F.M. (2010) Fish and aquatic habitat conservation in South America: a continental overview with emphasis on neotropical systems. *Journal of Fish Biology*, 76, 2118-2176.
97. Buckley, J.; Maunder, R.J.; Foey, A.; Pearce, J.; Val, A.L.; Sloman, K.A. (2010) Biparental mucus feeding: a unique example of parental care in an Amazonian cichlid. *Journal of Experimental Biology*, 213, 3787-3795.
96. Garg, T.K.; Valdez Domingos, F.X.; Almeida-Val, V.M.F.; Val, A.L. (2010) Histochemistry and functional organization of the dorsal skin of *Ancistrus dolichopterus* (Siluriformes: Loricariidae). *Neotropical Ichthyology*, 8, 877-884.
95. Ferreira, M.S.; Oliveira, A.M.; Val, A.L. (2010) Velocidade cr tica de nata o (Ucrit) de matrinx  (*Brycon amazonicus*) ap s exposi o   hipoxia. *Acta Amazonica*, 40, 699-704.
94. Duarte, R.M.; Menezes, A.C.L.; Rodrigues, L.S.; Almeida-Val, V.M.F.; Val, A.L. (2009). Copper sensitivity of wild ornamental fish of the Amazon? *Ecotoxicology and Environmental Safety*, 72, 693-698.

Books

- 10) Val, A.L., Almeida-Val, V.M.F., Randall, D. (Org). *The Physiology of Tropical Fishes*. Academic Press. 2006. 632p.
- 9) Val, A.L., KAPOOR, B G (Org.). *Fish Adaptations*. Enfield, USA: Science Publishers, Inc, 2003. v1. 418p.

Conference Presentations

More than 150 presentations worldwide.

List of Collaborators

Dr. Adalto Bianchini, Fundação Universidade Federal de Rio Grande, Brazil
Dr. Bernardo Baldisseroto, Universidade Federal de Santa Maria, Brazil
Dr. David John Randall, University of British Columbia, Canada
Dr. Christopher Wood, McMaster University, Canada
Dr. Richard Gonzalez, San Diego State University, USA
Dr. Roy Weber, Odense University, Denmark
Dr. Katherine Sloman, University of Plymouth, UK
Dr. Roderick Wilson, Exeter University, UK
Dr. Ajay K. Mittal, Banaras University, India
Dr. Gillian Renshaw, Griffith University, Gold Coast Campus, Australia
Dr. Guido van den Thillart, Leiden University, The Netherlands
Dr. William Driedzic, Mount Allison University, Canada
Dr. Colin Brauner, University of British Columbia, Canada

Affiliations

- 9) The Linnean Society of London
- 8) Brazilian National Academy of Sciences
- 7) American Fisheries Society
- 6) British Isles Fisheries Society
- 5) The Society of Experimental Biology
- 4) Canadian Society of Zoologists
- 3) Sociedade Brasileira de Fisiologia
- 2) Sociedade Brasileira de Genética
- 1) Sociedade Brasileira para o Progresso da Ciência.

LEONEL SIERRALTA J.

EDUCATION

PhD Ecology, Pontifical Catholic University of Chile, 1989-1991. Thesis Pending.

Masters of Sciences, Mediterranean Agronomic Institute of Zaragoza. 1988

Post University Specialization Diploma, Mediterranean Agronomic Institute of Zaragoza. 1986

Bachelor Natural Sciences and Biology, Pontifical Catholic University of Chile. 1984

1. Specialty Areas

The areas of specialty of Leonel Sierralta include:

- Biodiversity/Natural Resources
- Environmental Certification /Audit (CPEA, Certified Auditor)
- Environmental Management /Public Policies
- Environmental Impact Assessment

2. Professional Experience

Environmental Impact Assessment (Natural Components): 1997 – 2010. Consultant for Chilean Private Sector, Inter American Development Bank (IADB), Corporación Andina de Fomento (CAF) and Chilean Government.

3. Current Position (since April 2010)

Head of the Renewable Natural Resources and Biodiversity Division, Ministry of the Environment, Chile

4. Previous Experience:

- September 1997 – March 2010: Development Manager (Partner), Gestión Ambiental Consultores S.A.
- May - August 1997: Head of the Natural Resources Department, National Commission of the Environment.
- 1996 - May 1997: Chief of staff to the Executive Director, National Commission of the Environment.
- 1995 - 1996: Technical adviser, Executive Direction, National Commission of the Environment.
- 1995 - 1996: Environmental adviser, Negotiating Team, International Unit, Ministry of Finance. Chile NAFTA Agreement Negotiation, Chile – Canada Agreement.

- 1993 -1995: Environmental adviser Shell Chile.
- 1991-1992: Environmental Corporative Manager, Forestal e Industrial Santa Fe, Shell Group.

5. Academic Activities:

- 2008 – 2010: Professor of Public Environmental Policies. Universidad Adolfo Ibáñez, Santiago Chile.
- 1993 - 2006: Professor of Environmental Management and Environmental Impact Assessment. School of Industrial Civil Engineering, Gabriela Mistral University, Santiago, Chile.
- 2000: Professor of Population Biology. School of Industrial Civil Engineering, Development University, Santiago, Chile.
- 1999 - 2008: Professor of Public Environmental Policy, Postgraduate School, Faculty of Engineering, University of Chile.
- 1993 – 1997: Coordinator of the environmental and environmental legislation courses. School of Industrial Civil Engineering, Gabriela Mistral University, Santiago, Chile.
- 1987 - 1988: Coordinator of ecology courses. Mediterranean Institute of Zaragoza, Zaragoza, Spain.
- 1979 to 1985 and 1989 to 1991: Teaching Assistant, Head of Fieldwork and invited professor in courses of Zoology, Botany, Biology of Insects, Populations Biology and Ecology. Faculty of Biological Sciences, Pontifical Catholic University of Chile, Santiago, Chile.

6. Research:

- 1978 - 1984 Research Assistant in Antarctic Intertidal Marine Ecology and Terrestrial Ecology. Department of Ecology, Faculty of Biological Sciences, Pontifical Catholic University of Chile, Santiago, Chile.
- 1987 - 1988: Research Assistant, terrestrial ecology in the Mediterranean Institute of Zaragoza, Zaragoza, Spain.
- 1989 - 1991: Responsible for field experiments in Terrestrial Ecology. Department of Ecology, Faculty of Biological Sciences, Pontifical Catholic University of Chile, Santiago, Chile.
- 1991 (second semester): Field assistant, School of Forestry, Oregon State University, Corvallis, Oregon, USA.
- 1992 – 2010: Research Associate in Public Policy, Centro de Estudios Públicos (CEP), Santiago, Chile.

7. Publications (articles in journals and book chapters)

- F Squeo, R A Estévez, A Stoll, C F Gaymer, L Letelier and L Sierralta (2012). Towards the creation of an integrated system of protected areas in Chile: achievements and challenges. *Plant Ecology and Diversity*, 1-11.
- Sierralta, L; Serrano R; Rovira J; Cortés, C. (2011), Las áreas protegidas de Chile. Ministerio de Medio Ambiente, Chile.
- Arroyo, M.K.; Castilla, J.C.; Estades, C.; Ladrón de Guevara, J.M.; Larraín, S.; Moreno, C.; Rivas, F.; Rovira, J.; Saball, P.; Sánchez, A; Sierralta, L. (2006). Biodiversidad de Chile. Patrimonio y desafíos. Comisión Nacional del Medio Ambiente. Santiago, Chile. Editorial Ocho Libros, pp. 364-369.
- Sierralta, L., (2003). ¿Qué queda por hacer? Comentario, *Ambiente y Desarrollo*, Vol. XIX, N° 3 y 4, pág. 27.
- Sierralta, L., (2000). El potencial aporte privado en áreas silvestres postergadas. Comentario, *Ambiente y Desarrollo*, Vol. XVI, N° 3, pág. 16.
- Holmgren, M.; Avilés, R.; Sierralta, L; Segura, A.M.; Fuentes, E.R. (1999). Why have European herbs so successfully invaded the Chilean matorral? Effects of herbivory, soil nutrients, and fire. *Journal of Arid Environments* 44: 197-211.
- Sierralta, L. (ed.) (1997) Reglamento de Especies en categorías de conservación, Centro de Estudios Públicos.
- Sierralta, L. 1996. Prologue to the book *Nuestro Mundo Cambiante: El Hombre, Los Recursos Naturales y El Medio Ambiente*, de Bertram Husch y César Ormazábal, Editorial Los Andes, Serie Ambiente y Desarrollo, Santiago, Chile.
- Raga F., Sierralta L., 1995. Un marco conceptual para una política forestal sustentable. *Ambiente y Desarrollo*, Vol. 11, N° 4, pag. 28 - 35.
- De Andraca, R., Katz, R., Del Fávero, G., Sierralta, L., Verdugo, S., Moenne, P. 1995. *Environmental Policies in Latin America*, Policy Series N°1. Business Council for Sustainable Development - Latin America, Monterrey, Mexico.
- Sierralta L.; Navarrete P., 1992. Algunas reflexiones acerca de la contratación de servicios de asesoría ambiental. In: *Gestión ambiental: Desarrollo hoy sin arriesgar mañana*. Ponencias, 4to Encuentro Científico sobre el Medio Ambiente, CIPMA.
- Sierralta L.; Navarrete P., 1992. Evolución de la gestión medioambiental en forestal Santa Fe S.A. In: *Gestión ambiental: Desarrollo hoy sin arriesgar mañana*. Ponencias, 4to Encuentro Científico sobre el Medio Ambiente, CIPMA.
- Sierralta L., 1992. Los planos de fase en las relaciones predador - presa: el efecto de un predador selectivo. *Revista Chilena de Historia Natural* 65: 9 - 15.
- Prado C., Fuentes E.R., Sierralta, L., 1992. Climate Change and the matorral of Central Chile: A population approach. In: W. Oechel, H. Mooney and J. Moreno (Eds.) *Anticipated Effects of Changing Global Environment on Mediterranean Type Ecosystems*. Academic Press, New York.

- Hidalgo J.C., Pellicer F., Sierralta L., López M.V., 1990. Spatial distribution patterns of morphogenetic processes in a semi-arid region. In: Thornes J.B. (Ed.) *Vegetation and Erosion*. John Wiley & Sons Ltd.
- Muñoz M.R., González I.E. Sierralta L., Castañeda B. 1990, Opinion: The scope of scope. *SCOPE Newsletter* 35: 3.
- Martínez E.; Sierralta L. 1989. Commentary to "Nonparametric statistic for the behavioral sciences" Siegel S. y Castellan J. *Revista Chilena de Historia Natural* 62: 281-282.
- Sierralta L. 1989. Commentary to "Imperialismo ecológico. La expansión biológica de Europa" Crosby A.W. *Revista Chilena de Historia Natural* 62: 157.
- Hidalgo J.C., Bellot J., Sierralta L., 1989. Ensayo de evaluación e interpretación de un polígono de regadíos. *La Violada, Huesca (España) 1945-1985. Geographicalia* 26: 141-154.
- Sierralta L., Gracia C.A., 1989. Estimación del área de influencia de árboles dominantes en un bosque de *Pinus sylvestris* L. *Options Méditerranéennes - Série Séminaires* 3: 41-46.
- González J.C., Sierralta L., Pellicer F., 1988. Changes in the spatial distribution between shrubs and dryland crops in the neighborhood of an irrigation area: a not expected effect. In: Di Castri F., Floret Ch., Rambal S. y Roy J. (Eds.) *Time Scale and Water Stress-Proc. 5th int. conf. on Mediterranean Ecosystems*. I.U.B.S., Paris.
- Hidalgo J.C., Bellot J., Sierralta L., 1988. Considerations about the influences of topographic reduction coefficient on the evapotranspiration estimation, calculated by hidric balances. In: Di Castri F., Floret Ch., Rambal S. y Roy J. (Eds.) *Time Scale and Water Stress-Proc. 5th int. conf. on Mediterranean Ecosystems*. I.U.B.S., Paris.

8. Board Memberships

- 2009, onward: Chairman CERTFOR CHILE (PEFC associated). (www.certfor.org)
- 2012, onward: Board Member Fundación Sendero de Chile (www.senderodechile.cl)
- 2012, onward: Board Member: Fundación Biomar (www.fundacionbiomar.cl)
- 2010, onward: National Director GEF/SNAP Project: (www.proyectogefareasprotegidas.cl)

9. Nationality: Chilean.

10. Languages: Spanish, English and French.

11. Countries in which has worked: Chile, Spain, Bolivia, Perú and United States.

Leonel Sierralta was born in January of 1960, is married, has 2 children, speaks and writes perfectly Spanish and English. For contact:

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 Chile
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CURRICULUM VITAE

Spencer Linus Thomas



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St. George's
Grenada
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EDUCATION:

- 2006** *Masters Degree in Telecommunications Regulation and Policy: Post graduate studies, University of the West Indies, St Augustine Campus, Trinidad and Tobago.*
Research Topic: OECS Telecommunications Reform: An Impact Assessment.
- 1994** *Doctor of Philosophy (Ph.D), Economics, Howard University, Washington DC.*
Dissertation Topic: "Price Rationalization in the Power Sector: Implications for Economic Development of Caribbean Economies."
Cumulative Grade Point Average (GPA) 4.0/4.0.
- ✓ *Omicron Delta Epsilon (International Economics Honor Society - President, Beta Chapter, Howard University, 1992 – 1994.*
 - ✓ *Omicron Delta Epsilon Leadership Award 1994.*
 - ✓ *National Dean's List, Howard University, 1992 – 1994.*
 - ✓ *Outstanding Leadership Award, Howard University, 1994.*
 - ✓ *Terminal Fellowship Award, Howard University, 1993.*
- 1990** *Master of Science (M.Sc.) Economics, Iowa State University, Ames, Iowa*
Thesis Topic: "Caribbean Basin Initiative (CBI) – Implications for the Caribbean Region." Cited for Excellent Research on Masters Thesis Component.
- ✓ *Premium for Academic Excellence (PACE) Award, Iowa State University, 1988 – 1990.*
- 1988** *Bachelor of Arts (B.A.) Economics, Summa Cum Laude, GPA 3.96/4.0, Phi Beta Kappa, Howard University, Washington, DC.*
Dean's List 1986 – 1988.
- ✓ *Alaine Locke Scholar Award, Scholar Award, College of Arts and Sciences, Howard University, 1986 – Awarded for the Highest Freshman Average.*
 - ✓ *Honors Program, Howard University, 1986 – 1988.*

- ✓ *James A. Bayton Scholar Award, Howard University, 1988. Awarded for graduating with the Highest Grade Point Average (GPA) 3.96/4.0*
- ✓ *Who's who Among International Students in U. S. Colleges and Universities, 1988/1989.*
- ✓ *American Economics Association, Economics Summer Minority Scholar, Temple University, Philadelphia, PA, 1987.*
- ✓ *Golden Key National Honor, 1987*

1980 *Diploma (Distinction), Public Sector Management, Chaguaramas Regional Training School, Trinidad and Tobago.*

Specialized ICT Training:

- 2004 *Diploma, "Telecommunications Regulatory Masters Programme" Bath, UK.***
- 2003 *Diploma, "E-Government/E-Commerce", Cable and Wireless Academy, UK.***
- 2000 *Diploma "Radio Frequency Spectrum Management" USTTI, Washington, DC.***
- 2000 *Diploma "Utility Regulation and Strategy" PURC, University of Florida, Gainesville, Florida.***
- 2000 *Diploma "NARUC Annual Regulatory Studies Program" Michigan State University, East Lansing, Michigan.***

WORK EXPERIENCE:

2006 – 2012

Honorary Consul for Belize in Grenada

2008-Present

Ambassador and Special Envoy for Multilateral Environmental Agreements, Ministry of Foreign Affairs, Environment and Trade, Government of Grenada

1997 – 2008

Economic Policy Advisor/Consultant -- Ministry of Finance, Government of Grenada.

1995 – 1997

Director General/ Permanent Secretary – Ministry of Finance, Trade, Industry, Planning and Development, Grenada.

2000 - 2002

Chairman OECS/Cable & Wireless Expert Team on Tariff and Rebalancing in Telecommunications

1994 – Present

*Director and Partner, NG&R Enterprises Limited, Grenada.
Director and Partner, RAJ Enterprises, Grenada.*

1994 – Present

Independent Consultancies

Spring 1994

Assistant Professor: Howard University, Washington, DC.

1993 – 1994

Energy Consultant: United States Department of Energy, Washington DC.

1990 – 1992

Energy Consultant: Washington Gas Light Co., Washington DC.

OTHER WORK EXPERIENCE: (Selected Consultancies)

Telecommunications and ICT:

- *Chairman, National Telecommunications Regulatory Commission, 2000 to present*
- *Member, Steering Committee, International Telecommunication Union, HIPCAR Project, 2008 to present*
- *Administrator ccTLD , (.gd domain name), 2002 to present*
- *Chairman, OECS Working Group on Telecommunications Pricing and Rebalancing, 2000-2002*
- *Consultant, OECS/ECTEL Telecommunications Reform Project 1999-2004*
- *Consultant, Project Implementation Committee, ECTEL, 1998-2000.*
- *Consultant, USAID/CARANA Eastern Caribbean Information Communication Technology Project, 2001-2004*
- *Consultant, USAID/CARANA Telecommunications Interconnection, Fair Trading Commission, Barbados, 2002-2003*
- *Consultant, USAID/CARANA TESS, CTRADECOM and GBAR projects in ICT, 2003 to present*
- *Consultant, ICT Roadmap for Dominica, 2004*

Environment:

- *Project Coordinator, Biological Diversity Enabling Activities, United Nations Convention on Biological Diversity, Grenada, 1997 to 2007.*
- *National Focal Point for United Nations Convention on Biological Diversity, the Subsidiary Body for Scientific Technical and Technological Advice, the Clearing House Mechanism, Access and Benefit Sharing and the Cartagena Protocol on Biosafety.*
- *Lead Consultant, Second National Communication, United Nations Framework Convention on Climate Change, 2008 -2009*

- *Chairman, Multilateral Environmental Agreements Committee, Grenada, 2004-2008*
- *Project Coordinator, Sustainable Land Management Project, 2005 to present*
- *Bureau Member for the Group of Latin America and the Caribbean, Subsidiary Body on Scientific, Technical and Technological Advice (SBSTTA) of the United Nations Convention on Biological Diversity, 2005 to present*
- *Member, Informal Advisory Committee for the Clearing House Mechanism of the United Nations Convention on Biological Diversity, 2001 to present*
- *Member, Ad Hoc Technical Expert Working Group on Island Biodiversity, 2007*
- *Member, Steering Committee, Global Island Partnership for Biodiversity, 2008 to present*
- *Member, Steering Committee, 2010 Biodiversity Indicators Partnership, UNEP/WCMC, 2007 to present*
- *Member, Advisory Group, Intergovernmental Science Policy Platform for Biodiversity and Ecosystem Services, UNEP, 2009 to 2011*
- *Project Coordinator, National Capacity Self Assessment, UNEP/GEF, 2004-2007*
- *Project Coordinator, National Biosafety Framework, 2001-2005*
- *International Consultant, St Kitts/Nevis Biological Diversity Strategy and Action Plan, 2003-2004*
- *Consultant, National Reports to United Nations Framework Convention on Climate Change, 2000-2009*
- *Lead Consultant, National Environmental Management Strategy and Action Plan, 2003-2004*
- *Lead Consultant, National Biodiversity Strategy and Action Plan, 1998*
- *Consultant, Integrated Coastal Zone Management Project, 2000*
- *Lead Consultant, National Reports (Reports 1 to 4) to UN CBD, 2000-2009*
- *Deputy Chairman, Committee on South – South Cooperation, UN CBD, 2008 to 2012*
- *Deputy Lead Negotiator, AOSIS Climate Change Negotiating Team, 2008 to 2011*
- *Regional Councillor, International Union for Conservation of Nature (IUCN), 2008-2012*
- *Chairman, Finance and Audit Committee, IUCN 2008 to present*
- *Chairman, Subsidiary Body for Scientific Technical and Technological Advice (SBSTTA), United Nations Convention on Biological Diversity, 2008-2010*
- *Vice President, COP10 Bureau, Convention on Biological Diversity, 2010-2012*
- *Listed, Roster of Experts, United Nations Convention on Biological Diversity and the Catagena Protocol on Biosafety*
- *Consultant, Dominica SPCR, Cost Benefit Analysis of Climate Change Adaptation Options, 2011-2012*

Socio-economics:

- *Chairman, National Council for Reconstruction and Development, Grenada, 2004-2006*
- *Consultant, Strategic Plan, NAWASA, 2009 -2010*

- *Consultant, Local Government Reform for Carriacou and Petit Martinique, 2008 - 2010*
- *Chairman, Economic Advisory Council, Grenada, 2005-2006.*
- *Consultant, National Export Strategy, 2005-2006.*
- *Project Coordinator, National Hazard Mitigation Policy, Grenada, 2003 -2004*
- *Project Coordinator, National Poverty Eradication Strategy, Grenada, 1999-2002*
- *Consultant and Facilitator, National Youth Policy, Grenada, 2002*
- *Consultant, Strategic Business Plan, St Vincent and the Grenadines Port Authority, 2004*
- *Consultant, Strategic Business Plan, Grenada Postal Corporation,2008*
- *Consultant , Strategic Business Plan, National Water and Sewage Authority, 2009*
- *Consultant, FAO National Water Policy for Grenada, 2008*
- *Consultant, USAID/CARANA TESS, CTRADECOM and GBAR projects, 2003-2006*
- *Consultant, World Bank Labour Market Information System for Grenada , 2007-2008*
- *Consultant, IDB Value Chain Analysis Study for Caribbean Economies, 2006-2009.*
- *Consultant, OAS Project of Strengthening Civil Society Participation in Summit of the Americas, 2004 to present.*
- *Consultant, UNDP project on Civil Society Involvement in Decision Making in the Caribbean. 2008*
- *Consultant, CDB/BNTF project for Grenada,2004*
- *Consultant, Evaluation of CDB Disaster Mitigation Facility, 2004*
- *Consultant, DFID National Trade Enhancing Measures. Grenada , 2000*
- *Chairman, Grenada Sustainable Development Council, 1996 to present*
- *Consultant, Master Plan for National Tourism Development, 1997*
- *Consultant, Socioeconomic Impact Assessments, Various private sector projects, Grenada, 2000 to present*
- *Consultant, National HIV-AIDS Management Strategy 2002-2003*
- *Consultant, FAO, Agricultural Development Programme for Grenada,1997*
- *Consultant, EU/Grenada, Framework for Mutual Obligations, 1994-1996*
- *Consultant, Bid Committee for Year 2007 Cricket World Cup,2003-2004*
- *Consultant, Poverty Eradication Strategy for Grenada, 1998-2000*

References: Available upon request



**LILIAN FERRUFINO
ACOSTA**

Universidad Nacional Autónoma de Honduras
Escuela de Biología
Lab. Histología Vegetal y Etnobotánica, Edificio J1 (antes CB)
Tel.: 0504-33370950
ferrufinolilian@yahoo.com

PERSONAL DATA

Name: Lilian Ferrufino

Nationality: Honduran

Date of Birth: 04. March 1976

Place of Birth: Tegucigalpa, Honduras

Email: ferrufinolilian@yahoo.com

EDUCATION

HIGHER EDUCATION

2006-2010 — **Doctor of Natural Sciences**

Botanical Garden and Botanic Museum
Berlin-Dahlem, Freie Universitaet.

Thesis: Taxonomy and Molecular Phylogenetics and Divergences Patterns of the Genus *Smilax* (L.) Smilacaceae.

2000-2003 — **Master in Biology with emphasis in Botany**

Universidad de Costa Rica (UCR)

Thesis: Morphology, phenology, and phylogeny of *Smilax* L. (Smilacaceae) in Costa Rica, with systematic implications.

1994-1998 — **Bachelor in Biology with emphasis in Botany**

Universidad Nacional Autónoma de Honduras (UNAH)

Monograph: Ethnoecology and commercialization of *Smilax* L. in the Paz Departamento, Honduras.

HIGH SCHOOL

1991-1993 — Escuela Normal Mixta del Sur, Choluteca
Teacher of Elementary School

1988-1990 — Instituto José Cecilio del Valle, Choluteca

WORK EXPERIENCE

Professor— At present
Botanic, Seed biology, General biology, Vegetal Physiology and Vegetal anatomy (Signature) UNAH, Honduras

Curator—At present
Herbario Paul Standley, Escuela Agrícola Panamericana El Zamorano (EAP)

Research assistant — 2009-2010
Botanical Garden and Botanic Museum Berlin-Dahlem, Freie Universitaet.

Teaching assistant and coordinator of the ecotourism career — 2005
Universidad Metropolitana de Honduras (UMH). Tegucigalpa, Honduras.

Teaching assistant — 2004-2005
Biology and Botanic (Signature), UNAH, Honduras

Assistant of tropical field botany — Mar-Jun, 2004
Educational Abroad Program (EAP), Monteverde Institute, Costa Rica.

Research assistant — 2001-2002
Herbarium of the University of Costa Rica (USJ). Costa Rica.

Teaching assistant — Aug-Dec, 1999
Environmental Education (Signature) UNAH, Honduras

Teaching assistant — Feb-Jun, 1999
General Botany and Plant Anatomy (Laboratory), UNAH, Honduras

Research assistant — 1998-1999
Elaboration of a database of Medicinal Plants of Honduras in Microsoft Access with base in the surveys carried out for the book of Medicinal Plants Common of Honduras. UNAH/OPS.

Research assistant — 1997-1999
Laboratorio de Histología, Vegetal y Etnobotánica, UNAH, Honduras

PUBLICATIONS

Paul House, Iris Rodríguez y Lilian Ferrufino. Rescatando el conocimiento en una base de datos de plantas medicinales de Honduras. Ciencia y Tecnología. Publicación semestral de la Dirección de Investigación Científica de la UNAH. Mayo 1999-No 4.

Ferrufino L. F., Gómez-Laurito, J. 2004. Estudio morfológico de *Smilax* L. (Smilacaceae) en Costa Rica, con implicaciones sistemáticas. Lankesteriana 4 (1): 5-36.

Ferrufino L. F. Tratamiento de *Smilax* L. (Smilacaceae) para la lista de la Flora Vascular de Antioquia, Colombia. Missouri Botanical Garden (MO). 2004.

Ferrufino, L. A. & W. Greuter. 2010. La Familia Smilacaceae. In: Greuter, W. (ed.), Flora de la República de Cuba, serie A, plantas vasculares. Fascículo 16 (5): 3-22.

Ferrufino, L. A. & W. Greuter. 2010. Typification of the name *Smilax lanceolata* L. Taxon 59 (1):287-288.

Ferrufino, L. A. & W. Greuter. 2010. A taxonomic revision of the genus *Smilax* L. (Smilacaceae) in Central America and the Caribbean Islands. Willdenowia 40 (2): 227-280.

Ferrufino, L.A. & T. Borsch. 2011. Molecular Phylogenetics and Divergences Patterns of the Genus *Smilax* (L.) Smilacaceae (in prep.)

FELLOWSHIPS

1. Scholarship of German Service of Academic Exchange (DAAD). Ph.D degree.
2. Research fellowship Program "Synthesis of Systematics Resources", FR-TAF. France, European Union. Aug 2008.
3. Research Fellowship Program "Organization for Tropical Studies", Costa Rica, Sept 2007.
4. Scholarship of German Service of Academic Exchange (DAAD). Master degree. University of Costa Rica (UCR). 2000-2003.
5. Research fellowship "Elizabeth Bascom." Missouri Botanical Garden. Nov, 2002-Enero 2003.

ABSTRACTS PUBLISHED & PRESENTATIONS IN CONGRESSES

Ferrufino, L. & J. Gómez-Laurito. 2006. Estudio morfológico de *Smilax* L. (Smilacaceae) en Costa Rica, con implicaciones sistemáticas. IX Congreso Latinoamericano de Botánica. Santo Domingo, Dominican Republic.

Ferrufino, L. & B. Gemeinholzer. 2006. Phylogeny of *Smilax* L. (Section *Micrathae*) in Mesoamerica. Nees Institute. Bonn University. Bonn. Germany.

Ferrufino, L. F. & J. Gómez-Laurito. 2007. Useful taxonomic characters in *Smilax* of Costa Rica. 9 Jahrestagung der Gesellschaft für Biologische Systematik. Vienna, Austria.

Ferrufino, L., B. Gemeinholzer. 2008. *Smilax*, a paraphyletic group in Central America?. Systematics 2008, Göttingen Universität, Göttingen, Germany.

Ferrufino, L. 2008. Participation. Latinoamerican Symposium "Biodiversity in Change". Bonn, Germany.

Ferrufino, L. 2010. Participation. Tools for identifying biodiversity: progress and problems. Paris, France.

Ferrufino, L. 2011. Presentation and participation. II Congreso Centroamericano de Investigación de la Red CADAN:R. León Nicaragua.

Ferrufino, L. 2011. Presentation and participation. 5to Congreso de Investigación Científica "Investigación Científica, Desarrollo Tecnológico y Políticas Públicas: tendencias Internacionales". Tegucigalpa, Honduras.

Ferrufino, L. 2011. Presentation and participation. I Congreso de Investigación Forestal, Áreas Protegidas y Vida Silvestre de Honduras (CONIFOR), Siguatepeque, Honduras

Curriculum Vitae

Sir Robert Tony Watson, CMG, FRS

My career has evolved from a Ph.D student at Queen Mary College, London University; a post-doctoral fellow at University of California, Berkeley and University of Maryland, USA; a research scientist at the Jet Propulsion Laboratory, California Institute of Technology, USA; a Federal Government program manager/director at the US National Aeronautics and Space Administration (NASA); a scientific advisor in the Office of Science and Technology Policy (OSTP), White House, USA; a scientific advisor, manager and chief scientist at the World Bank; a Professor of Environmental Sciences at the University of East Anglia, strategic director for the Tyndall Center at UEA, and chief scientific advisor to the UK Department of Environment, Food and Rural Affairs. In parallel to my formal positions I have chaired, co-chaired or directed national and international scientific, technical and economic assessments of stratospheric ozone depletion, biodiversity and ecosystems, climate change, and agricultural science and technology.

Current Position

Director for Strategic Development, Tyndall Center, Department of Environmental Sciences, University of East Anglia, Norwich, Norfolk
and

Co-chair UK National Ecosystem Assessment

Telephone: 1-301-765-1071 (US land-line), 1-240-506-7876 (US mobile)

e-mail: rtwatson1@gmail.com

Previous Positions

- Chief Scientific Advisor for the UK Department of Environment, Food and Rural Affairs (DEFRA)
- Chair of Environmental Sciences at the University of East Anglia and Director for Strategic Development, Tyndall Center
- Chief Scientist, and Senior Advisor for Sustainable Development, World Bank: July 2006 – July 2007
- Chief Scientist, and Senior Advisor for Environmentally & Socially Sustainable Development, World Bank: April 2003 – July 2006
- Chief Scientist, and Director for Environmentally & Socially Sustainable Development, World Bank: January 2000 – April 2003
- Director, Environment Department, World Bank, Washington D.C., August 1997 - December 1999
- Senior Advisor for Environment, Environment Division, World Bank, Washington D.C., May 1996 - June 1997
- Associate Director for Environment, November 1993 - May 1996: Office of Science and Technology Policy, White House, Washington D.C. 20506
- Consultant, June 1993-Nov 1993: Office of Science and Technology Policy, White House, Washington D.C. 20506
- Director, Science Division and Chief Scientist - April 1993 - November 1993: Office of Mission to Planet Earth, National Aeronautics and Space Administration (NASA), Washington, D.C.
- Director, Process Studies Program Office, NASA - 1990-1993:

- Earth Science and Applications Division Branch Chief for Upper Atmospheric Research and Tropospheric Chemistry Programs, NASA - 1987-1990
- Acting Program Scientist (NASA) - 1980-1987 for (1) Upper Atmosphere Research Program; (2) Interdisciplinary Earth Science Research Program; and (3) Global Habitability Initiative -- Detailee from the Jet Propulsion Laboratory
- Research Scientist - 1980-1987: Jet Propulsion Laboratory, Pasadena, CA
- Member of the Technical Staff – 1978-1980: Jet Propulsion Laboratory, Pasadena, CA
- Senior Scientist - 1976-1978: Jet Propulsion Laboratory, Pasadena, CA
- Postdoctoral Research Scientist - 1974-1976: University of Maryland, College Park, MD
- Postdoctoral Research Scientist - 1973-1974: University of California, Berkeley, CA

Special Positions/Experience

- Co-chair of the UK National Ecosystem Assessment - Phase II – 2012 – present
- Member of Panel, chaired by Executive Director of UNESCO, advising the UN Secretary-General on scientific input to UN system
- Chair/vice-chair of the intergovernmental negotiations of the Intergovernmental Platform for Biodiversity and Ecosystem Services (IPBES) – 2009-2012
- Co-chair of expert panel for the Convention on Biological Diversity on Geo-engineering and Biodiversity – 2011- 2012
- Co-chair of the UK National Ecosystem Assessment – 2010-2011
- Chair Higher Education Funding Council for England Pilot Research Excellence Framework for Earth Sciences and Environment: 2010
- Co-chair of the International Convention on Biological Diversity Ad-Hoc Technical Experts Group on Climate Change and Biodiversity: 2008-2009, and 2002-2003
- Host for the NHK 2-one hour documentary – Climate in Crisis and Planet in Peril, 2008
- Member of the US National Academy of Science Panel on Climate Change, Energy and Security: 2008 - present
- Chair of the World Bank expert review panel of the 2009 World Development Report on Climate Change: 2008-2009
- Director of the International Assessment of Agricultural Science and Technology for Development: 2003 - 2008
- Co-chair of the Board of Directors of the International Millennium Ecosystem Assessment: 2000 - 2005
- Co-chair: International WMO/UNEP Scientific Assessments of the Current Knowledge of the Processes Controlling the Abundance and Distribution of Atmospheric Ozone, 2002, 2002, 1998, 1994, 1991, 1989, 1988, and 1985
- Chairman, UNEP/WMO Intergovernmental Panel on Climate Change September 1997- April 2002
- Member of the International Council of Scientific Unions Advisory Committee on the Environment: 1998 – 2003
- Chair of the International Steering Committee for the UNEP project: Assessment of Impacts and Adaptation to Climate Change: 2001 - 2003
- Member of the IPCC Bureau: 1993 to April 2002
- Convening lead author of IPCC Technical paper on Climate Change and Biodiversity: April 2001- April 2002

- Chair of an International Panel on the Scientific and Policy Inter-linkages Among Global Environmental Issues – 1996 to 1998
- Co-chair: Intergovernmental Panel on Climate Change (IPCC) Working Group II (Impacts, Adaptation, and Mitigation) - 1993 – September 1997
- Chair: UNEP/WMO Synthesis Panel for international Ozone Assessment (Science, Impacts, Technology, and Economics), 1989, 1991, 1994
- Chair: UNEP Global Biodiversity Assessment - 1993 to 1995
- Chair of the Science and Technical Advisory Panel to the Global Environmental Facility (World Bank, United Nations Development Program, and United Nations Environment Programme) 1991- November 1993
- Chair: UNEP/WMO Synthesis Panel for Methyl Bromide (Science, Technology, and Economics) - 1992
- Chaired Chapter on Greenhouse Gases for the IPCC Scientific Assessment for Working Group I (1990 and 1992). Member of Steering Group for IPCC WG #1, 1990 and 1992.
- U.S. Representative on the Intergovernmental Panel on Climate Change (IPCC) Science Working Group
- Consultant (unpaid) to the Manufacturing Chemists Association/Chemical Manufacturers Association (currently named the American Chemistry Council) on stratospheric ozone depletion: 1976 - 1990
- Technical Advisor for the U.S. Government for both bilateral and multilateral negotiations of the Vienna Ozone Convention and the Montreal (CFC) Protocol
- Technical Advisor for the U.S. Government on Climate Change and member of the U.S. delegation to the International Negotiation Committee on Climate Change
- Co-chair: Committee on Earth and Environmental Sciences (CEES) Assessment Working Group
- Testified many times before U.S. Senate and U.S. House of Representatives Committees and Sub-Committees on Ozone, Global Warming, and other Global Change Research issues
- NASA Representative to Office of Science and Technology Policy, Committee on Earth and Environmental Sciences, Global Change Working Group

Education

- Ph.D., (Gas Phase Chemical Kinetics), 1973, Queen Mary College, London University, London, England
- B.Sc. 1st class (chemistry), 1969, Queen Mary College, London University, London, England

Honorary Academic Degrees

- 2010 – Fellow of Queen Mary College, London University, England
- 2009 - Honorary Doctor of Science, Cranfield University, England
- 2003 - Honorary Doctor of Science, University of East Anglia, England
- 2003 - Honorary Doctor of Science, UMIST, England

Honours and Decorations

- 2012 - Knights Bachelor – United Kingdom
- 2003 - Honorary “Companion of the Order of Saint Michael and Saint George” - United Kingdom

Fellowships

- 2011 – Fellow of the Royal Society, UK

Awards (non-US Government)

- 2010 - Asahi Glass Blue Planet Prize
- 2008 – American Association for the Advancement of Science Award for International Scientific Cooperation
- 2007 - Nobel Peace Prize for the IPCC, which I chaired from 1997-2002
- 2006 - Zayed science award for the Millennium Ecosystem Assessment, for which I was the board co-chair: Given to the authors of the Millennium Assessment for Scientific and Technological Achievements in Environment
- 2005 - Recognized by the Rolling Stone magazine as one of 25 movers and shakers for the environment
- 2005 – United Nations Environment Programme / World Meteorological Organization Vienna Convention Award
- 2003 – Global Green Award for International Environmental Leadership – US chapter of the Green Cross International formed by Mikhail Gorbachev
- 1995 - UNEP Award for Protection of the Ozone Layer
- 1993 - Climate Institute Scientific Achievement Award for Coordinating Scientific assessments
- 1993 - American Association for the Advancement of Science Award for Scientific Freedom and Responsibility
- 1993 - American Meteorological Society Special Award "for notable efforts in organizing and conducting international assessments in ozone depletion and global change"
- 1992 – U.S. National Academy of Sciences Award for Scientific Reviewing
- 1991 - American Geophysical Union's Edward A. Flinn, III Award established to recognize individuals who personify the American Geophysical Union's motto of unselfish cooperation in research through their facilitating coordination and implementing activities (first recipient)
- 1989 - Designated member of UNEP's "The Global 500: The Roll of Honor for Environmental Achievement"

Awards - US Government

- 2000 - U.S. Environmental Protection Agency Climate Protection Award
- 1994 - U.S. Environmental Protection Agency Award for scientific understanding of the ozone layer
- 1993 – NASA Group Achievement Award (Earth Observing System)
- 1992 - NASA Cooperative External Achievement Award (High Speed Research Program)
- 1989 - NASA Distinguished Service Medal
- 1989 - NASA Public Service Group Achievement Award (Antarctic Aircraft Ozone Expedition)
- 1989 - NASA Group Achievement Award (International Ozone Trends Panel)
- 1987 - NASA OSSA - Edelson Award
- 1986 - NASA Public Service Group Achievement Award (International Ozone Assessment)
- 1983 - NASA Exceptional Service Medal

Academic Awards

- London Educational Award for three years to attend London University, England, for undergraduate studies - 1966-1969
- Science Council Award for three and one half years for Ph.D. studies at London University, England - 1969-1973
- Draper's Company Prize for Chemistry for being top graduating student of the year – 1969

Publications;

41 Refereed Journal Publications, 60 Refereed National and International Scientific Assessments and Reviews, 4 key World Bank Publications, and 3 Book Chapters

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PROFESSIONAL EXPERIENCE

DEPARTMENT OF STATE, Washington, D.C.

Deputy Assistant Secretary for Environment (2006-present)

Manage three offices and 65 staff in areas of global climate change, environmental protection, sustainable development and conservation -- key achievements include:

- Chairing Ad Hoc Group on Long-Term Cooperative Action, UN Framework Convention on Climate Change
 - Produced massive, landmark decision at 17th Conference of the Parties, adopted by consensus
 - Revamped negotiating process to provide increased predictability and transparency
 - Served as AWG/LCA Vice-Chair in 2011 and Chair in 2012
- Protecting the ozone layer as a major response to climate change
 - Designed and led U.S. effort to accelerated global phase outs of HCFCs – received EPA Ozone Award
 - Conceived and built a North American alliance to phase down HFCs
 - Crafted new approaches to destroying CFCs in banks (refrigerators/air-conditioners)
- Orchestrating use of the Major Economies Forum on Energy and Climate in the run-up to Copenhagen
 - Advised Special Envoy for Climate Change and Deputy National Security Adviser
 - Chaired ministerial sessions of the Forum and drafting efforts for Leaders' Statement
- Launching negotiations for a new treaty on mercury
 - Anticipated global opportunity and won new administration's support within three weeks of Inauguration
 - Led U.S. Delegation at UNEP Governing Council and persuaded key countries to move forward
 - Steered a course to ensure domestic support by insisting that global efforts focus solely on mercury

Director, Office of Global Change (2001 – 2006)

- Spear-headed key administration climate and energy initiatives, forging international coalitions, including:
 - Asia-Pacific Partnership on Clean Development and Climate
 - Methane to Markets Partnership
 - International Partnership for the Hydrogen Economy
 - Group on Earth Observations and Global Earth Observation System of Systems
 - Carbon Sequestration Leadership Forum
- Worked as principle negotiator under the U.N. Framework Convention on Climate Change
- Ensured strong U.S. support for Nobel Prize winning Intergovernmental Panel on Climate Change

FLETCHER SCHOOL OF LAW & DIPLOMACY, TUFTS UNIVERSITY, Medford, MA

Research Fellow (2000 – 2001)

- Analyzed Constitutional issues related to Executive/Congressional powers in foreign affairs
- Undertook major research project on carbon capture and storage

WOODROW WILSON SCHOOL, PRINCETON UNIVERSITY, Princeton, NJ

Visiting Lecturer in Public & International Affairs (1999 – 2000)

- Taught graduate course in International Climate Change Policy
- Taught undergrad courses on greenhouse gas emissions trading and on air pollution in China and India

DEPARTMENT OF STATE

Director, Office of Global Change (1989-2001)

- Served as Deputy Head of U.S. Delegation in negotiating U.N. Framework Convention on Climate Change
- Played senior role in negotiating the Kyoto Protocol – served on bureau of negotiating committee
- Won \$3.5 million grant from Global Environment Facility enabling IPCC to finish its Second Assessment

DANIEL A. REIFSNYDER**PAGE 2****DEPARTMENT OF STATE****Deputy Director, Office of Science & Technology Programs (1987-1989)**

- Coordinated work under 25 umbrella S&T agreements and over 600 U.S. agency MOUs
- Managed second largest office in the bureau – nearly 20 staff

Atlantic Desk Officer, Office of Fisheries Affairs (1984-1987)

- Represented State on New England, Mid-Atlantic and South Atlantic Fishery Management Councils
- Negotiated Governing International Fishery Agreements under Magnuson Act

DEPARTMENT OF COMMERCE, NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION**Senior Foreign Affairs Policy Coordinator (1977-1984)**

- Negotiated multiple treaties, including:
 - Pacific Salmon Treaty with Canada
 - Convention on Salmon in the North Atlantic Ocean
 - Convention on Future Multilateral Cooperation in the Northwest Atlantic Fisheries
 - U.S.-Canada Maritime Boundary and Fisheries Agreement
- Brought U.S. fisheries under coastal state management in wake of extended jurisdiction

Assistant to Executive Secretary, U.S.-U.S.S.R Fisheries Claims Board (1974-1977)

- Reviewed claims of U.S. fishermen for lost vessels and gear
- Developed cases, including plotting positions and translating Russian ships' logs and affidavits

EDUCATION

GEORGE WASHINGTON UNIVERSITY, National Law Center, Washington D.C.

Juris Doctor, 1981

GEORGETOWN UNIVERSITY, Washington, D.C.

Master of Arts (Russian Area Studies), 1976

TRINITY COLLEGE, Hartford, Connecticut

Bachelor of Arts (Political Philosophy), 1972

AWARDS AND RECOGNITION

- EPA Ozone Protection Award, April 2009
- Presidential Meritorious Executive Award, 2005 & 2011
- Department of State Superior Honor Award, 1998, 1992, 1991, 1990 (Group), 1989, 1988
- Department of State Meritorious Honor Award, 1986

BAR MEMBERSHIPS

- Virginia State Bar, 1981
- District of Columbia Bar, 1982
- Court of Appeals for the Fourth Circuit, 1982
- U.S. Supreme Court, 1990

LANGUAGES

- French (fluent)
- Russian (working knowledge)