

Resume: Dr. Dipayan Dey

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PROFESSIONAL SYNOPSIS

- An adept professional with more than a decade of comprehensive experience in tertiary teaching of Plant Ecology and Environmental Science and nearly seventeen years of acumen in environmental research, planning and ecosystem management towards sustainable environment development in global south.
- Supervising research project on Natural Resource Management; Habitat Evaluation and Restoration Ecology, Strategic Impact Assessment Studies, Biodiversity Indexing, Agricultural Carbon Sequestration, Action Research on Downscaling Climate Impact, Hazard Mitigation, Risk Analysis and Adaptive Mitigation through Community Based Interventions. Commendable exposure in environmental economics and 'Biorights' of commons.
- Expertise in research designing, developing action plan or organizing activities and resolving procedural/ logistical problems as appropriate to the completion timeline of project objectives.
- An effective communicator with excellent relationship management skills & honed analytical, problem solving & organizational abilities. Possess a flexible & detail oriented attitude.

ACADEMIC CREDENTIALS

University Courses

- **PhD (Forest Biotechnology)** "*Physiological Studies on Aspects of Climate Impacts on Ageing in Broadleaf Species of East Bhutan*" from T. M Bhagalpur University in 2000-2003.
- **M Phil:** Dissertation in "*Ecosystem Services and Natural Resource Management in Foothill Forests of Bihar*" from T.M. Bhagalpur University, Bihar in 1995-97
- **M Sc** (Environmental Science) from T.M. Bhagalpur University, Bihar in 1985-87.
- **B Sc** (Honors) in Plant Sciences from T.M. Bhagalpur University, Bihar in 1981-84.

Short Courses

- Post Graduate Diploma in Higher Education & Research from IGNOU, India in 1994.
- UGC Summer Course on Current Trends in Environmental Research, Delhi University, New Delhi, 2004
- Diploma in Rural Economics & Statistics from Banker's Institute for Rural Development, Lucknow, India 2007

International Courses

- Courses in GIS-RS and Natural Resource Management from Renewable Natural Resource Research Center, M/O Agriculture & Forest, Royal Government of Bhutan 2002, organized by UNEP
- International Courses on Sustainable Environment Development, UNU Tokyo 2004
- Short course on Strategic Impact Assessment, from IAIA (USA) in Deptt of Forest Sciences, Kangwon National University, Korea 2007
- Short Course on 'Natural Resource Assessment and Conservation Prodigy' WRI, Washington, USA 2010.

PROFESSIONAL AFFILIATIONS

- Member representative, United Nations Environment Assembly (UNEA)
- Member Observer, UNFCCC, UNIDO and UNCCCD
- Member representative, CSO-GEF Network, Global Environmental facility, World Bank
- Member, Natural Resource Management Working group, Planning Commission of India
- Member in Executive Council, National Council for Sustainable Development & Climate Change, India
- Executive member: National Natural Resource Management Council, NABARD, India
- Member in Advisory Council, *Vigyan Prasara*, Deptt of Science & Technology, Govt. of India
- Member in National Disaster Reduction Council of India
- Fellow of Royal Society for Protection of Nature, Bhutan
- Gratis member: Society for Restoration Ecology USA & Society for Wetland Scientists International USA
- Associate of International Association for Studies in Commons(IASC), USA
- Associate of International Congress for Chemistry and Environment (ICCE), India
- Associate of International Association for Impact Assessment (IAIA), USA
- Associate of International Association for Feminist Economics (IAFFE) University of Nebraska – Lincoln. USA
- Life Member: Indian Association of Aquatic Biologist, India
- Member: Society for Experimental Biology UK, British Ecological Society UK, ICIMOD Nepal, SANDEE Nepal, ILEC Japan, World Water Council

RESEARCH APPLICATIONS & SKILL-CARD since 2002 till 2013 (12 years)

- ✓ Managing various research projects under the aegis of **UNEP, UNDP, UNFPA, IUCN, ILEC, DFID (UK), British Ecological Society, APN-GCR Japan, Korea Green Foundation, Japan Water Forum, IWMI, USAID, NASA, ICIMOD, Earthwatch Institute, Bhutan Trust Fund, Royal Society for Protection of Nature (Bhutan), National Agricultural Bank for Rural Development (India), Central Inland Fisheries Research Institute (ICAR) and South Asian Forum for Environment**
- ✓ **Important Research Assignments undertaken**
 1. Prediction Modelling & Impact Assessment Studies on Ecology of Landslide Landscaping in Eastern Bhutan supported by UNDP and Bhutan Trust Fund for Conservation of Nature. 2002
 2. Community Based Interventions in Habitat Restoration, Inventory Preparation and Conservation of High Altitude Lakes and Wetlands in Eastern Bhutan, supported by UNEP-Bhutan, ILEC-Japan. 2002-04
 3. Assessment Studies on Conservation and Wise-use of Non-timber Forest Products by Pastoral Semi-nomadic Tribes of Eastern Himalayas supported by UNFPA and Bhutan Trust Fund for Conservation of Nature. 2004-05
 4. Fire Disaster Mitigation and Restoration of Forests in Indo-Nepal Border areas, Supported by IUCN, International Disaster Reduction Council and State Govt of Bihar. 2004
 5. Community-ecosystem Approach model for Restoration of Fresh Water Ecology and Biodiversity Conservation in Floodplains and lakes of Indo-Nepal border areas. Supported by Indian Association of Aquatic Biologists, CIFRI and Society for Wetland Scientists International, USA 2005-06
 6. Habitat Restoration and Biodiversity Conservation of East Kolkata Wetlands Ramsar site, supported by British Ecological Society, UK 2006-07
 7. Transforming Nature Services through 'Biorights of Commons' as the pro-poor conservation Paradigm for Poverty Alleviation. A Pioneering Study in East Kolkata Wetlands. Sponsored by DFID (UK) and Govt of West Bengal India. 2008-10 (Referred as best practice conservation model in 4th TEEB Report of UNEP)
 8. Community Based Restoration, Regeneration and Reforestation of Depleting Mangrove Forests in Deltaic Sundarbans of India and Bangladesh as a REDD plus Implication sponsored by UNEP Eco Peace Leadership Centre and Yuhan-Kimberley Foundation, Seoul, Korea 2010-11
 9. Bioengineering and River Embankment Stabilization through Community Led Vetiver Plantation and Mangrove Reforestation as an Alternative Livelihood in Climate Vulnerable Coastal Plains of Eastern India. NABARD, India and International Vetiver Network, Australia. 2010-11
 10. Assessing the Potentials of 'Low Carbon Agro-farming' Initiatives for Downscaling Climate Impacts in Indian Coastal Ecology, Supported by Korea Green Foundation and SAFE. 2011-12
 11. Rainwater Harvesting, Water and Sanitation Issues in Institutionalizing Community Water Governance towards Abatement of Climate Impacts, supported by Japan Water Forum and SGP-UNDP. 2011-13
 12. In-situ Germplasm Conservation of Indigenous Fine Grain Aromatic Rice of Deltaic West Bengal through System of Rice Intensification and Organic farming. National Biodiversity Board of India, State Agriculture Department, Govt. of West Bengal and NABARD 2011-13
 13. Reducing Landfill Emission in Urban Landscape through Integrated Solid Waste management and promotion of Urban Forestry. CSR Project of VEL Kolkata, 2011-13
 14. Vertical Greens in Urban Landscape towards Conserving Urban Forestry and City Biodiversity, UNHABITAT 2013-2014.
 15. "Promoting Algaculture in Trapped Waters as Sustainable Aquafarming and Adaptive Climate Mitigation in Inundated Coastal Areas", Supported by Asia Pacific Network for Global Change Research, Japan 2012-13
 16. Innovative Jhooming towards Conservation of Forest habitat and wildlife in Eastern Arunachal Pradesh. NABARD, Northeast Regional Office, 2014-2016.
 17. Geospatial Scenario Planning Framework in Forest Fire Mitigation in Hindukush Himalayas. Sponsored by ICIMOD, NASA, & USAID 2014-2016

PROFESSIONAL EXPERIENCE

- ⇒ **Research Supervisor** and guide for PhD Scholars in T.M.Bhagalpur University of Bihar, K.S State University of Jharkhand and Jadavpur Central University of West Bengal.
- ⇒ **Resource Person** in International Capacity Building Programme with UN University, Japan in department of Peace and Sustainable Development and International Coastal Research Center, Tokyo University, Japan
- ⇒ **Internship** on Environmental Planning and management with Dept of Earth & Biological Sciences, Chicago De Paul University, Chicago USA
- ⇒ **Associate Professor** (12 years) in Environmental Sciences with Premiere Institute of Higher Learning of Bhutan, under Delhi University curriculum (1994 to 2005).

- ⇒ **Visiting Faculty** - PG Department of Environmental Sciences, T.M. Bhagalpur University, Bhagalpur Bihar India (2005-2007)
- ⇒ **Consultant** with Entrepreneurship Institution of State Government of Jharkhand in Sustainable Development and Agroenvironmental research (2009 till date)
- ⇒ **Chair (Research and Planning): South Asian Forum for Environment [SAFE]**, a CSO working towards sustainable environment development and poverty alleviation in the Indian ecoregion through community interventions.

KEY DELIVERABLES

1. Recognizing, designing & implementing action research on restoration ecology and environmental conservation as a decision support to climate-smart natural resource management policy development for smallholders.
2. Developing community led interventions in downscaling climate impacts with especial references to vulnerable ecosystems, facilitating technology cooperation for less water intensive and low emission interventions in primary productivity areas.
3. Identifying critical gaps in the first generation development plans and conservation prerogatives through research and policy implications towards sustainability with special references to rural commons in global south.
4. Develop adaptive mitigation plans in disaster prone areas, risk communication and community preparedness through capacity building and foster knowledge economy through awareness generation and stakeholder participation.
5. Educational curriculum development on applied fields of environmental sciences at tertiary level to cater to issues addressed above in augmenting human resource potentials for abating climate change impacts.
6. Remaining accountable for nurturing healthy teamwork among co-researchers and colleagues and responding to all problems and queries in a spontaneous manner while executing the same.

AWARDS AND ACCREDITATIONS

- ⇒ UNIDO Research & Innovation Award 2015, June 2015 Vienna Energy Forum Vienna.
- ⇒ Developing Country Scientist's Research Award for World Climate Research Program (WCRP) in Coordinated Regional Climate Downscaling Experiment (CORDEX), Brussels Belgium 2013
- ⇒ Federal Grant Award Assistance for Climate Initiative, US Dept of State, USA 2013
- ⇒ Asia Green Award from Korea Green Foundation and Japan water Forum 2012.
- ⇒ International Award from International Association for Feminist Economists, USA 2011
- ⇒ International Environment Eco-Peace Leadership Award from UNEP, 2010-12
- ⇒ Fellow International Visitors Leadership Programme, US State Department, USA 2010.
- ⇒ International Fellowship UN-MERIT, Senegal Africa GLOBELICS International Seminar 2009
- ⇒ Research Award from Imperial College of Science and British Ecological Society, UK 2009
- ⇒ International Research Award from Katholieke University, Leuven, Belgium 2008
- ⇒ International CBS Fellowship, International Association for Impact Assessment USA, 2007
- ⇒ International Research & travel grant : International Disaster Reduction Committee, Davos Switzerland in 2006
- ⇒ Ibaraki Kasumiguara International Medal for Environmental Conservation of Lakes and Wetlands in Changing Climate; Chicago, UNEP, USA in 2003.
- ⇒ UN University International Fellowship for Sustainable Development of Coastal Environment
- ⇒ International Scientists Award from Society for Wetland Scientist, New Orleans, LA, USA in 2003.
- ⇒ International Fellowship for Participating in XII World Forest Conservation Congress, Quebec, Canada, organized by FAO (UN) in 2003.

LIST OF SELECTED PUBLICATIONS

Dey, D T. Gyelthshen & P P Juico (2015)

Impacts of Crop Residue Removal for Biomass Energy on Soil Function: Studies to Recommend Climate Adaptive Agro-Waste Management. APN Science Journal: Issue 5, March 2015 ISSN 2185-761x. Pp 57-60.

Dey, D A. Maity & A Arunachalam (2014)

Assessing Bio-Economic Potential of *Enteromorpha instestinalis* for Sustainable Aqua-Farming in Climate Vulnerable Coastal Indian Sundarbans. APN Science Journal: Issue 5, March 2015 ISSN 2185-761x. Pp 31-32.

Dey, D & A. Maity (2014)

Promoting Algaculture in Trapped Waters as Sustainable Aquafarming and Adaptive Climate Mitigation in Inundated Coastal Areas. APN Science Journal: Issue 4, March 2014 ISSN 2185-761x. Pp 170-173.

Dey, D (2014)

Traditional Organic Farming Sustain In-situ Conservation of Indigenous Rice in Coastal Sundarbans of India: A Conspectus. Journ. Of Low External Input Sustainable Agriculture. 16(3): Pp 15-18.

Dey, D & A. Chatterjee (2013)

Uncertainty Assessment on Agricultural Productivity under Climate Impact using Integrated Multi-method Paradigm – Studies from South Asian Delta; Paper accepted for presentation in CORDEX International Conference on Climate Change, Brussels, Belgium 2013

Dey, D & A. Chatterjee (2013)

Low carbon Cooperation in Regional Riparian for Downscaling Climate Impacts: Strategic Assessment Studies in South Asia. Paper accepted for presentation in CORDEX International Conference on Climate Change, Brussels, Belgium 2013

Dey, D & R Gopichandran (2012)

Right to 'Green Cost' Ensure Common's Participation in Sustainable Environment Development, New Delhi. Proceedings of International Conference for Sustainable Agriculture and Climate Change - jointly organized by NCCSD & ICAR

Dey, D (2011)

Classified Women Labour in Neo-liberal Economy for Employment Guaranty in Rural Areas and Conservational apathy; Proceedings of International Conference of IAFFE 2011, University of Nebraska, Lincoln, USA.

Dey, D (2010)

- Task of Tribal Women in Pastoral Economy and Ecology of Eastern Himalayas: A Case Study on Bhutanese *Brokpas* Proceedings of International Conference of IAFFE 2010, University of Nebraska, Lincoln, USA.

Dey, D (2009)

- *BIORIGHTS as a Pro-poor Economic Paradigm for Sustainable Environmental Development in Global South*; 7th International GLOBELICS Conference on 'Inclusive Growth, Innovation and Technological Change: education, social capital and sustainable development', Dakar Senegal.

http://globelics2009dakar.merit.unu.edu/papers/1238254042_DD.pdf

Dey, D (2008)

- *Sustainable Development and Wastewater in Peri-Urban Wetlands: A Case Study on East Kolkata Wetlands*. Water and Urban Development Paradigms – Ed> Feyen, Shannon & Neville. Pub: Taylor & Francis Group, London, ISBN 978-0-415-48334. Pg 441-445. Published from Leuven, Belgium.

Dey, D (2008)

Biorights of Commons for Negating the Negative Link between Poverty and Conservation. Proceedings of Annual World IASCP Conference, UK 2008

http://iasc2008.glos.ac.uk/conference%20papers/papers/D/Dey_124901.pdf

Dey, D (2007)

- *Anthropogenic Impacts on Pristine Socio-Ecological Whole-System Facing Directional Changes: Strategic environmental Assessment in Bhutan Himalayas*. IAIA 2007

<http://www.iaia.org/modx/assets/files/07%20finalpro%20final%20for%20web.pdf>

Dey, D (2006)

- *Conservation Ecology of East Kolkata Wetlands, A threatened Ramsar Wetland Site of India*. Proceedings of 24th Annual Meeting of Society for Wetlands Scientists International, Cairns, Australia.

Dey, D & Chatterjee, A (2006)

- *Water Woes In South East Asia: Geo-Ecology Of Trans-Border River System And Dams Between India And Nepal*. Proceedings of Balwois International Conference.

http://balwois.com/balwois/administration/full_paper/ffp-763.pdf

Dey, D (2006)

- *Watershed Conservation And Management Of Glacial Lake Outburst Flood; Combating Climate Change In Himalayan Environment*. Proceedings of Balwois International Conference.

http://balwois.com/balwois/administration/full_paper/ffp-762.pdf

Dey, D (2005)

- *Conservation Ecology of Himalayan Wetlands and Glacial Lakes: Combating Climate Change through Community Participation*. Proceedings of The World Conference on Ecological Restoration, Zaragoza, Spain 12th to 18th Sep'2005.

Dey, D (2004)

- *Ecology of Landslides in Eastern Himalayas: Landscaping in a Pristine Ecosystem*. Proceedings of 19th International Symposium, International Association of Landscape Ecology, USA 2004.

Dey, D (2003)

Bhutan's Current Environmental Strategy: Sustainable Development through Reciprocity, Equity, and Participation. International Review for Environmental Strategies, Institute for Global Environmental Studies, Winter Issue; 3 (2): 342-349.

LIST OF PUBLISHED BOOKS

1. **Environment and Life Support System of the Bhutan Himalayas**. Eds: *Dr Dipayan Dey & Dr Tshering Gyeltshen*. Published by Bhutan Trust Fund for Conservation of Nature. 2003
2. **BIORIGHTS: The Conservation Paradigm for Poverty alleviation – A Collection of case studies from South Asia (ISBN 978-81-908391-0-5)**. Eds: *Dr Dipayan Dey & Dr R. Gopichandran*. Published by South Asian Forum for Environment in collaboration with Planning Commission of India. 2010
3. **Environmental Impact Assessment Study Reports on Gangetic Creeks near City of Kolkata (ISBN 978-56-908396-0-7)**. *Dey, Dipayan*; Published by Center for Environmental Studies, Govt of West Bengal, Kolkata. 2012
4. **Biorights: Challenges, Solutions & Rewards: Perspectives from the Global South**. Ed. *Dr Dipayan Dey & Dr R Gopichandran*. Publisher: Springer (India) Ltd. [ISBN 978-92-990387-1-5]

GENERAL INFORMATION

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Email	office@safeinch.org	drdipayandey@gmail.com
Website	www.safeinch.org	

BIOMETRIC DETAILS	Date of Birth	22 November 1963
	Marital Status	Married
	Passport Number	J0560605