


STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE						
Title	Dr	First Name	Prodyut	Last Name	Bhattacharya	
Designation		Professor				
School/ Dept. Name		USEM				
Address:		AFR 102, A Block, University School of Environment Management, Guru Gobind Singh Indraprastha University, Sector 16C, Dwarka, New Delhi-110078				
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	Mobile	+91 9560866868				
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Web Page (If any)	-					
Subject Taught(Courses)	<p>M.Sc. Natural Resource Management - EMNRM601- Fundamentals of Natural Resources Management, EMNRM.604 Forest Resources , Planning and Management, EMNRM606 Environmental Economics and Ecosystem Services, EMGE- 624-Urban Forestry, Biodiversity & Landscape, EMNRM-703 Agro-Ecosystem & Agroforestry, EMNRM-705 Natural Resource Policy, Governance and Livelihood, EMOE733- Sustainable Ecotourism (Open Elective).</p> <p>M.Sc. Environment Management- EM 601 Fundamentals of Ecology, EMGE-628 Essentials of Urban Forestry& Biodiversity(Elective),</p> <p>M.Sc. Biodiversity & Conservation- EMBC-601 Fundamentals of Biodiversity Conservation</p> <p>Ph.D: PES-913 Ecosystem and Natural Resources Management</p>					
Areas of Interest/ Specialization	Natural Resources Management, Biodiversity Conservation, Urban Forestry, Non-Timber Forest Products and Medicinal Plants, Forest Ecology and Sustainable Forest Management, Forest Certification,ClimateChange, Community Forestry, Livelihood, SustainableForestManagement (SFM), Agro-forestry.					

Experience (In Years)	Total	32 Years
	Industry	-
	Teaching	28
	Research	32
Educational Qualifications	UG	B.Sc. Biosciences. Calcutta University 1996
	PG	M.Sc. Botany Spl. in Forest Ecology, Dr. H.S. Gour University, Sagar, M.P. 1989
	Doctorate	P.hD. on Botany, Dr. H.S. Gour University, Sagar, M.P. 1992
	Any Other	<ul style="list-style-type: none"> • Beahrs Environmental Leadership Programme (Certificate course), University of California, Berkeley, USA, 2006 • International Micro Finance Training Programme: Best Practice in Micro Finance Paradigms(Certificate course),Naropa University, Boulder, Colorado U.S.A., 2002 • Community Forestry Programme (Certificate course),Kasetsart University, Bangkok, Thailand , 1999
Research Publications in Journals (last 5 years)	<ul style="list-style-type: none"> • Verma, D., Singh, V., Bhattacharya, P., Kishwan, J. (2021). Development, environmental impact and green growth: India. <i>Ecology, Environment and Conservation</i>. 26. (November Suppl. Issue), (S238-S244) • Yadav, S., Bhattacharya, P., Areendran, G., Mehebut, S., Krishna, R., Haroon, S.(2021). Predicting impact of climate change on geographical distribution of major NTFP species in the Central India Region. <i>Journal Modeling Earth Systems and Environment</i>. 1-20, Springer International Publishing. • Verma, D. Singh, V.,Bhattacharya, P., Kishwan, J. (2020). Sustainable Manufacturing Strategies Adopted by Construction Equipment Manufacturing Industries in India. <i>Circular Economy and Sustainability</i>. https://doi.org/10.1007/s43615-021-00091-4 • Verma, D. Singh, V., Bhattacharya, P., Kishwan, J. (2020).Adoption of united nations sustainable development goals 2030 in environmental management system by earth moving and construction equipment industries in India .<i>Ecology Environment & Conservation</i>. 26 (3), 1290-1299. • Chandran, C.&Bhattacharya, P. (2021). Perception of Visitors on Ecotourism Environmental impact: A Study of Munnar, Kerala, India. <i>World Journal of Environmental Biosciences</i>, 10(2), 1-8. https://doi.org/10.51847/abGiA4pZsB • Bhalla, P., Bhattacharya, P., Areendran, G. (2020). Ecotourism spatio-temporal models to identify visitation patterns across the Indian Himalayan Region. <i>GeoJournal</i>. https://doi.org/10.1007/s10708-020-10336-8 • Kumar, D., Velankar, A.D., Rao, N.V., Kumara, H.N., Mishra, P., Bhattacharya, P., Raj, V.M. (2020). Ecological determinants of occupancy and abundance of 	

chinkara (*Gazella bennettii*) in Yadahalli Wildlife Sanctuary, Karnataka, India. *Current Science*. 118 (2), 264-270. ISSN 0011-3891.

- Sheppard, J., Chamberlain, J., Agundez, D., **Bhattacharya, P.**, Chirwa, P., Gontcharov, A., Sagona, W., Shen Hai-Loag, Tadesse, W., Mutke, S. (2020). Sustainable Forest Management Beyond the Timber-Oriented Status Quo: Transitioning to Co-production of Timber and Non-wood Forest Products – a Global Perspective. *Current Forestry Report* 2020.
- Khosla, A. & **Bhattacharya, P.** (2020). Use of Composite Index to Critically Assess the Post Rights Recognition impact of Forest Right Act, 2006: A Case Study from the Tribal States of Tripura, India. *Tree Forest and People* (TFP-D 20-0042R1)
- Bhalla, P. & **Bhattacharya, P.** (2019). Visitors' Satisfaction from ecotourism in protected area of the Indian Himalayan Region using importance- performance analysis. *Journal of Global Scholars of Marketing Science*. 29(2), 162-179. (Taylor and Francis) ISSN No: 2163-9159, eISSN- 2163-9167 <https://doi.org/10.1080/21639159.2019.1577157>
- Solanki, S., Chandran, C., Garg, J., **Bhattacharya, P.** (2019). Analysis of Long-Term Spatio-Temporal Trends in Land Use/Land Cover in Devikulam Taluk, Kerala Using Geospatial Techniques. *International Journal of Environment*. 8(3), 34-52. <https://doi.org/10.3126/ije.v8i3.26616>. eISSN- 2091-2854
- Gandherva, D., Bhattacharya, R., **Bhattacharya, P.** (2019). Assessment of User's Perception towards Urban Green Spaces: A case study of Delhi, India. *Journal of Ecology and Natural Resources*. 3(1), 000156. DOI: 10.23880/jenr-16000156. ISSN- 2578-4994
- Chandran, C. & **Bhattacharya, P.** (2019). Hotel's best practices as a strategic driver for environmental sustainability and green marketing. *Journal of Global Scholars of Marketing Science*. 29(2), 218-233, Taylor and Francis.
- Srivastava, K. & **Bhattacharya, P.** (2018). Climatic Trends in Rainfall Pattern and Impacts Towards Lichen Availability in Two Himalayan Districts of India. *Journal of Physical Science and Environmental Studies*. 4 (5), 85-97, ISSN 2467-8775.
- Khosla, A. & **Bhattacharya, P.** (2018). Tracking the Implementation of Forest Rights Act, 2006 and Its Impact on the Livelihood of Forest Dependent People in the State Of Tripura, India. *Journal Of Humanities And Social Science (IOSR-JHSS)*. 23(3), 01-13. e-ISSN: 2279-0837, p-ISSN: 2279-0845.
- Singh, S., **Bhattacharya, P.**, Gupta, N.C. (2017). Dust particles characterization and innate resistance for *Thevetia peruviana* in different land use pattern of urban area. *International Journal of Environmental Science and Technology*. (Springer) ISSN 1735-2630. <http://doi.org/10.1007/s13762-017-1461-5>.
- Kumar, D., Velankar, A.D., Rao, N.V., Kumara, H.N., Mishra, P., **Bhattacharya, P.**, Raj, V.M. (2020). Ecological determinants of occupancy and abundance of chinkara (*Gazella bennettii*) in Yadahalli Wildlife Sanctuary, Karnataka, India. *Current Science*, 118 (2), 264-270. ISSN 0011-3891
- Khosla, A. & **Bhattacharya, P.** (2020). Review of Various Initiatives for Tribal Development in Tripura within the purview of Forest Rights Act, 2006. *International Journal of Research in Social Sciences*. 10 (8), 15-29.
- Mishra, R., Dookia, S., **Bhattacharya, P.** (2020). Avenue Plantations as Biodiversity Havens: A Case Study of Population Status of the Indian Flying Fox,

	<p>Pteropus giganteus Brunnich, 1782 and Implications for Its Conservation in the Urban Megacity, Delhi, India. <i>Proc Zool Soc.</i>, 73, 127–136. https://doi.org/10.1007/s12595-019-00308-3</p> <ul style="list-style-type: none"> • Khosla, A. & Bhattacharya, P. (2019). Assessment of Socio-Economic and Livelihood Conditions Post Forest Rights Act: A comparative study of Two Tribal Districts in Tripura. <i>Indian Journal of Social Work</i>, 80(4). • Mishra, R., Dookia, S., Singh, M.K., Sultana, A., Bhattacharya, P.(2018). Ecological and Acoustic-call Characteristics of Blyth's Horseshoe bat, <i>Rhinolophus lepidus</i> in Delhi, India. <i>Ambient Science</i>. 05(1); online DOI:10.21276/ambi.2018.05.1.ra02 • Dedvi, S., Bhattacharya, P., Verma, P., Verma, R.K. (2017). Diversity of Arvascular Mycorrhizal (AM) fungi in association with important NTFP species in Tropical Forests of Central India. <i>Indian Forester</i>. 143 (4), 364-369.
Papers Published in Conference Proceedings (last 5 Years)	<ul style="list-style-type: none"> • Sharma, R., Pradhan, L., Kumari, M., Bhattacharya, P. (2020). Assessment of Carbon Sequestration Potential of Tree Species in Amity University Campus Noida. Environmental Science Proceedings by MDPI The 1st International Electronic Conference on Forests — Forests for a Better Future: Sustainability, Innovation, Interdisciplinary session Forest and Urban Forest Sustainability. DOI: 10.3390/IECF2020-08075
Books Authored/ Book Volume Chapters	<ul style="list-style-type: none"> • <u>Book Authored/ Edited Volume</u> • Prodyut Bhattacharya, (2018). Redefining Forestry for Effective Livelihoods, TERI Press, New Delhi. Pp. 373 ISBN 978-81-7993-531-6 • Anubha Kaushik, J.K. Garg, P. Bhattacharya, N C Gupta, Rita Singh, Varun Joshi (Ed.) (2017). Climate Change, Resource Conservation and Sustainability Strategies. DBH Publishers and Distributors, Delhi-110002, PP. 173 • Prodyut Bhattacharya and A.K. Kandya (Ed.) (2017). Sustainable Forestry: Emerging Challenges. IK International Publishing House. New Delhi. Release March. '2017. PP. 337 ISBN 978-93-84588-99-1 • <u>Book Volume Chapters</u> • Prodyut Bhattacharya and Swapan Mehera (2021). REDD+ in the Indian Context: Planning and Implementation Scenario. In : <i>Climate Resilience and Environmental Sustainability Approaches Global Lessons and Local Challenges</i>. Edited by Anubha Kaushik, C. P. Kaushik, S. D. Attri I SBN 978-981-16-0901-5 ISBN 978-981-16-0902-2 (eBook). https://doi.org/10.1007/978-981-16-0902-2 (Springer Nature) • Seema Yadav, Prodyut Bhattacharya, G. Areendran Mehebab Sahana, Krishna Raj, Haroon Sajjad (2021). Predicting impact of climate change on geographical distribution of major NTFP species in the Central India Region. <i>Modeling Earth</i>

Systems and Environment. <https://doi.org/10.1007/s40808-020-01074-4> (Springer Nature)

- Sharma R., Pradhan L., Kumari M., **Bhattacharya P.**(2021). Comparative Analysis of Different Vegetation Indices of Noida City Using Landsat Data. In: Al Khaddar R., Kaushika N.D., Singh S., Tomar R.K. (eds) Advances in Energy and Environment. Lecture Notes in Civil Engineering, vol 142. Springer Nature, Singapore. https://doi.org/10.1007/978-981-33-6695-4_20
- **Prodyut Bhattacharya**(2017). Trainings for Sustainable Forestry in India: Emerging areas for Holistic Capacity Building. In Prodyut Bhattacharya and A.K. Kandya (eds.) Sustainable Forestry: Emerging Challenges. I K International Publishing House. New Delhi. PP. 1-27
- **Prodyut Bhattacharya** and T.R. Manoharan (2017).Forest Certification: Benefits and Issues of Sustainable Forestry. In Prodyut Bhattacharya and A.K. Kandya (eds.) Sustainable Forestry: Emerging Challenges. I K International Publishing House. New Delhi. PP. 28-51
- **Prodyut Bhattacharya** (2017).Sustainable Harvesting of Non Timber Forest Products: A difficult subject to achieve. In Prodyut Bhattacharya and A.K. Kandya (eds.) Sustainable Forestry: Emerging Challenges. I K International Publishing House. New Delhi. PP. 62-82
- Lolita Pradhan, A.K.Kandya and **Prodyut Bhattacharya** (2017) Livelihoods Intervention Under Joint Forest Management(JFM) Programme. In Prodyut Bhattacharya and A.K. Kandya (eds.) Sustainable Forestry: Emerging Challenges. I K International Publishing House. New Delhi. PP. 114-127
- Anshu Singh, A.K.Kandya and **Prodyut Bhattacharya**(2017). Domestication Status of Six Non-Timber Forest Produce Plant in Madhya Pradesh and Odisha. In Prodyut Bhattacharya and A.K. Kandya (eds.) Sustainable Forestry: Emerging Challenges. I K International Publishing House. New Delhi. PP. 143-150
- Sudipto Chatterjee **Prodyut Bhattacharya** and A.K.Kandya(2017). A study on Sustainable Harvest of Wild Medicinal Plants of Uttarakhand with a case study on Lichen. In Prodyut Bhattacharya and A.K. Kandya (eds.) Sustainable Forestry: Emerging Challenges. I K International Publishing House. New Delhi. PP. 164-193

No. of Conferences	National	Attended	Organised
		85	15
	International	21	08

Research Guidance	Awarded	PG	M.Phil	Doctorate
		121	23	12
	Undergoing	4	-	06
Research Projects	Completed	<p>2019-2020. “Climate change Vulnerability impact Assessment in Mangrove Forests of Sunderbans, West Bengal: A study on People’s Perception”, sponsored by FRGS, GGSIP University, Delhi.</p> <p>2009-2010. “Towards an Enabling Environment for SMFE in Western Orissa: A Diagnostic Study, Sponsored by Regional Center for National Afforestation and Eco - Development Board, MoEF.</p> <p>2009-2010. “Documentation of the Bio Resources Based Industries in Madhya Pradesh and the Quantum of Bio Resources Being Utilised”, Sponsored by Madhya Pradesh State Bio-Diversity Board, Madhya Pradesh.</p> <p>2009-2012. “Social Justice in Forestry”: Climate Change, REDD Livelihood Change/Impact and Forest Governance in India” Collaborative project with FGLG, IIED, U.K, Sponsored by EU, US\$ 1, 54,545 (converted from INR)</p> <p>2009. “Developing Criteria and Indicators for Sustainable NTFP Management”, Sponsored by Ministry of Forests and Environment, Govt. of India, US\$ 40000 (converted from INR)</p> <p>2008. “Integration of MADPs in Forest Working Plan” Sponsored by National Medicinal plant Board, New Delhi. USD 12000 (converted from INR)</p> <p>2008. “Biodiversity Management in Madhya Pradesh: Curriculum Development and Organising Training for the Biodiversity Management Committees officials”. Sponsored by Madhya Pradesh State Biodiversity Board, Govt. Of Madhya Pradesh, Bhopal. US\$ 12000(converted from INR)</p> <p>2007. “Preparation of 5 year Roadmap and Action Plan on Medicinal Plant Sector for the State of Madhya Pradesh”sponsored by National Medicinal Plant Board, Government of India, New Delhi, Dept. of AYUSH. US\$</p>		

9500(converted from INR)

2006.“Forest Certification: Development of National Standard for Sustainable Collection and Management of Medicinal & Aromatic Plants from Forests Areas” sponsored by National Medicinal Plant Board, Government of India, New Delhi. USD 68000(converted from INR)

2006. Project on “Forest Governance Learning Project” Collaborative project with IIED, U.K., Policy Analysis, governance Group, funded by DFID and EU (part of FGLG 10 country research)”started April 2006 July, 2007 first phase and Second Phase August 2007 – February 2008 (Coordinator, FGLG, India Programme – 2nd Phase). US\$ 57000 (converted from INR)

2006. Project on “Community Based Resource Management” Collaborative Project with PRIMAFF, Japan. 2006-2008. USD 10500 (converted from INR)

2004.“Scope of Micro Finance in the Development of NWFP based activities: Case studies from Madhya Pradesh”sponsored by RCNAEB, Bhopal, MOEF. 2004. UDD 5000 (converted from INR).Surveyed 3 forest division of Madhya Pradesh to understand the scope of Micro-credit in rural areas particularly NTFP based collection activities.

2003.“Community Based Sustainable Management of Medicinal Plants in Madhya Pradesh” sponsored by IDRC, Canada, 1999-2002 (phase I), 2003-March 2005 (phase II). US\$ 21500 (converted from INR)Documentation and assessment of traditional knowledge based medicinal plant conservation and utilization, vegetation assessment status, dependence on MAPs and institutionalization of herbal practitioner’s knowledge by developing network

2003.“Sustainable Tropical Forest Management through Community Participation in India” sponsored by ITTO (International Tropical Timber Organization), Japan. US\$ 500,000(converted from INR). Development of National and local level C&I for SFM. Capacity building for the forester and field level implementation in JFM areas in two states MP and Chhattisgarh in eight sites. 2001-2003 (as Co -Coordinator).

2003. “S & T Application for Enhancement for Rural Livelihood: Community Based Chambal Ravine Reclamation through Sustainable Management (NTFP) & Cultivation of Asparagus”sponsored by Department of Science & Technology(DST) Government of India (June 2004- Dec 2006). Implemented in 10 villages of Sheopur District of Madhya Pradesh. USD 25000 (converted from INR)

2002. “Science & Technology Management Intervention in Value Addition of Selected NTFP for Enhancing Income Generation in Madhya Pradesh” sponsored by Department of Science & Technology, New Delhi 1999-2002. USD 19000 (converted from INR).

2000. “Community Forestry Project (International Centre for Community Forestry” A Centre of Excellence on CF at IIFM. sponsored by Sir Dorabji Tata Trust, IDRC 100 villages were covered under extension activities particularly NTFP based livelihood generation, institutionalization of JFM activities, Policy Research, Training, Networking of NGOs and academic institutions. The project spread over seven states of India (Madhya Pradesh, Orissa, Jharkhand, Chhattisgarh, West Bengal, Maharashtra, Assam, Uttaranchal). **Initiated in April 2000 – December 31, 2007. US\$ 3, 60,000** (converted from INR)

2000. Research Project on “Forest and Displaced People: Woodfuel Collection and Sale as a First Step Survival Strategy” sponsored by FAO, RWEDP, Bangkok 1999-2000. US\$ 10,700 Studied 60 villages of North Bengal where migrant population from Bangladesh and Nepal settled and involved in fuel wood head loading as first step survival strategy (converted from INR)

2000. “Ecological Impact Assessment of JFM Activities in Harda Forest Division” Sponsored by DFID, New Delhi 1998-2000. US\$ 7200 (converted from INR) Selected 6 villages of 2 ranges of Harda Forest Division to vegetation assessment under this research project, changes after JFM in forest was documented and analyzed.

1999. “Pre -Project of International Tropical Timber Association (ITTO) on Sustainable Forest Management”

		<p>Based on the pre project detail SFM project was developed for funding with ITTO, Japan by involving all stakeholders for achieving SFM. US\$ 57,000 (converted from INR)</p> <p>1999.“Curriculum development and training material preparation for JFM Programme in Madhya Pradesh” sponsored by RCNAEB, MOEF, Delhi. 1998-1999. USD 47000 (converted from INR)</p> <p>1995.“Community Forestry Capacity building Programme for India”Sponsored by FAO - FTTP, Rome through RECOFTC, Bangkok. (1995- Nov 1999). US\$ 7200 (converted from INR).Case study documentation, training, curriculum development on JFM/ Community Forestry activities in India.</p>
	Undergoing	1 (Internal)
Awards & Distinctions	<ul style="list-style-type: none"> • Membership awarded by Forest Stewardship Council (FSC), Mexico for the Environment Chamber (Individual), Member ID-3214. 2017 • Technical Committee Expert Group member for Asia Pacific Small holders’ Forestry- Certification Standard development. FSC Hong Kong. 2020 • Member –Expert group of Planning commission, Working group on Forestry and Sustainable Natural Resource Management for 12 th V year Plan, Planning Commission, Govt. of India 2011-2012. • Member Secretary, C & I for sustainable NTFP Management Committee by Ministry of Environment & Forests, Govt. of India, New Delhi • Fellow, Beahrs Environmental Leadership Programme, University of California, Berkeley, USA, 2005 • Convener of the Indian Forest Governance Learning Group, supported by IIED, UK, 2007 to 2010 April. • Member, International Society of Tropical Foresters, 2017 onwards. • Member Editor of International Journal of Rural Development and Management Studies, Serial Publication, New Delhi. • Awarded fellowship from Queensland University, Australia and Queensland Forestry Research Institute for attending International Workshop on “Tropical 	

	<p>Forest Rehabilitation in the Asia Pacific Region”, Queensland Brisbane, 1996.</p> <ul style="list-style-type: none"> • Awarded Fellowship for Community Forestry Training Programme at RECOFTC funded by FAO, FTTP in the year 1996. • Awarded for Senior Research Fellow, CSIR, New Delhi 1991. • Awarded for Young Scientist Award in 1992 by M.P. Council of Science & Technology, Government of Madhya Pradesh, Bhopal.
Administrative Assignments Handled	<ul style="list-style-type: none"> • Dean, University School of Environment Management, GGSIPU • University Controller of Examinations (COE), GGSIPU • Chairman, CPF Trust of GGSIPU • Chairman, Board of Studies, GGSIPU • University Academic Council Member, GGSIPU • University Board Member, GGSIPU • Chief Warden, Hostel, GGSIPU • Chairman, Horticultural Committee of Campus development., GGSIPU • Chairman, Curriculum Development Committee, USEM.
Association with Professional Bodies	<ul style="list-style-type: none"> • Forest Stewardship Council (FSC), for Forest Certification (Environmental Chamber), Standard development group for India • Member, International Society of Tropical Foresters, 2017 onwards. • Board of studies member (BOS), and Member Academic Council of several Universities • Forest Stewardship Council (FSC), for the Environment Chamber (Individual), Member. 2017 • Member of Editorial board, several National and International journals.
Any Other Achievements	<ul style="list-style-type: none"> • PhD examiner for several Universities, IITs and national institutions • Travelled more than 25 countries, with various academic exposure, assignments & fellowships • Reviewer for several Govt. departments and international donors sponsored

	<p>projects, members for several International Conference Committees</p> <ul style="list-style-type: none">• Question paper setter for govt.departments, universities, competitive exams.
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