


STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE						
Title	Dr	First Name	Tuisem	Last Name	Shimrah	
Designation		Assistant Professor				
School/ Dept. Name		University School of Environment Management (USEM)				
Address:		G-5, Dilshad Colony, Delhi 110095				
Phone No.	Office	011 25302370				
	Residence	011 35685916				
	Mobile	9968967234				
Email	1. tsshimrah@gmail.com		2. tsshimrah@ipu.ac.in			
Web Page (If any)						
Subject Taught		Fundamentals of Natural Resource Management; 2. Fundamentals Of Ecology, Biodiversity and Sustainable Development; 3. Biodiversity and Biosystematics; 4. Environmental Economics and Ecosystem Services; 5. Agro-Ecosystems and Agro-Forestry; 6. Human Aspects of Biodiversity and Environment; 7. Ecosystem Management and Restoration; 8. Ecology and Ecosystem Restoration Lab; 9. Biodiversity Assessment and Taxonomy Lab; 10. Forest Inventory and Mensuration Lab; 11. Environmental Studies; 12. Life Sciences (Theory and Lab).				
Areas of Interest/ Specialization		Ecology, Soil and Biodiversity Conservation, Landuse/cover Change, Traditional Knowledge				
Experience (In Years)	Total	12				
	Industry	Nil				
	Teaching	12				
	Research	12				
Educational Qualifications	UG	B. Sc (H), Botany				
	PG	Life Science with Botany Major				
	Doctorate	Environmental Science				
	Any Other	M. Phil in Botany				

Research Publications in Journals (last 5 years)

Details should be provided in APA/IEEE format

- **Shimrah, T.**, Lungleng, P., Devi, A.R., Varah, F., Khuman, Y.S.C.(2021). Spatio-temporal assessment on land use and land cover (LULC) and forest fragmentation in shifting agroecosystem landscape in Ukhrul district of Manipur, Northeast India. *Environmental monitoring and assessment*, 194,1-13.
- Devi, A.R. &**Shimrah, T.** (2021). Assessment of land use and land cover and forest fragmentation in traditional landscape in Manipur, Northeast India. *International Journal of Environmental Science and Technology*, 59(3), 1-16
- Devi, A.R., Reddy, C.S.,**Shimrah, T.** (2021). Assessment of forest fragmentation in a traditional shifting agricultural landscape in Senapati District of Manipur, Northeast India. *Environment, Development and Sustainability*, 23 (7), 10344-10356.
- Kumar, S. &**Shimrah, T.**(2020). Analysis of vegetational changes in riverfloodplain using sentinel-2 time series: a case study in Okhla Bird Sanctuary in River Yamuna, India. *Journal of Aquatic Biology and Fisheries*. 8,47-52.
- Kumar, S. &**Shimrah, T.**(2020). Assessment of dominant macrophytes and paradigm for emerging invasion dynamics in Okhla Bird Sanctuary. *International Journal of Science and Technology*, 15, 105-115.
- Varah, F., Mahongnao, M., Francis, D.J.,**Shimrah, T.**(2020). Measuring environmental attitudes and behaviors: a study of undergraduate students in Delhi. *Natural Hazards*, 103 (1), 1291-1306.
- **Shimrah, T.**, Sarma, K., Varga, O.G., Szilard, S., Singh, S.K. (2019). Quantitative assessment of landscape transformation using earth observation datasets in Shirui Hill of Manipur, India. *Remote Sensing Applications: Society and Environment*. 15:1-9. *Remote Sensing Applications: Society and Environment*, 15, 1-19.
- Varah, F., Pamreishang, C.,**Shimrah, T.**(2019). Regime of National Forest Policy and the North East India. *Indian Forester* 145 (5), 413-420
- **Shimrah, T.**, Lungleng, P., Shimrah, C., Khuman, Y.S.C. (2018). Role of traditional homegardens in biodiversity conservation and socioecological significance in Tangkhul community in Northeast India. *Tropical Ecology*, 59(3), 533- 539.
- Kumar, S. &**Shimrah, T.** (2018). Assessment of Ecosystem Services and Threats in Fresh Water Inland Wetland: A case study of Okhla Bird Sanctuary. *International Journal of Science and Technology*, 13, 137-147.
- Rani, N., Singh, B.,**Shimrah, T.** (2017). Chromium removal from aqueous solutions using Eichornia as an absorbent. *Journal of Water Reuse and Desalination*, 4,461- 467
- **Shimrah, T.** (2017). Forest, Shifting Agriculture and Strategies for Sustainable Landscape Management in Traditional Mountain

	Communities of Northeast India. <i>National Academy Science Letter</i> , 40,349– 353.
Papers Published in Conference Proceedings (last 5 Years)	<ul style="list-style-type: none"> • Shimrah, T. 2017. Traditional ecological knowledge system as climate change adaptation strategies for mountain community of Tangkhul tribe in Northeast India. <i>International Journal of Environmental and Ecological Engineering</i>, 11: 671- 676.
Books Authored/ Book Volume Chapters	<p>Book:</p> <ul style="list-style-type: none"> • Varah, F., Mahongnao, M., Khashimwo, P., Shimrah, T. (2020). Environmental Studies. Heritage Publisher, Delhi <p>Chapters in edited books:</p> <ul style="list-style-type: none"> • Varah, F. & Shimrah, T. (2015). Traditional Forest Management through Indigenous Knowledge and Practices in Northeast India: a case study in Tangkhul Community, Manipur. In: Yaruimgam, AS and Kharimgam, A.C (Eds.) <i>Rethinking Education in the Hills of Northeast India</i>. Shipra Publications, New Delhi. 170-191 Pp. ISBN: 978-81-7541-787-8. • Shimrah, T.(2014). Global Environment Change: Perceptions, Challenges and Adaptation Strategies in Tangkhul Indigenous Community. In: R. Vashum (Ed.) <i>Encountering Modernity: Situating the Tangkhul Nagas in Perspective</i>. Chicken Neck Publications, New Delhi, India. Pp 228-245, ISBN: 978-93-82337-20-1. • Shimrah, T., Bharali, S., Rao, K.S., Saxena, K.G. (2012). Cultural Landscapes: The Basis for Linking Biodiversity Conservation with the Sustainable Development in West Kameng, Arunachal Pradesh. In: <i>Cultural Landscapes: The basis for Linking Biodiversity Conservation with the Sustainable Development</i>. Edited by P.S. Ramakrishnan, K.G. Saxena, K.S. Rao, and G. Sharma, UNESCO, & National Institute of Ecology (NIE), New Delhi. Pp 105-147. ISBN: 978-81-89218-47-8. • Shimrah, T., Rao, K.S., Maikhuri, R.K., Saxena, K.G. (2012). Land use and local livelihoods in the face of global change: An analysis from Arunachal Pradesh, India. In: <i>Land Management in Marginal Mountain Regions: Adaptations and Vulnerability to Global Change</i>. Edited by K.G. Saxena, L. Liang, K. Tanaka and S. Takahashi. Bishen Singh Mahendra Pal Singh. Dehradun, India. Pp. 159-177. ISBN 10: 8121108365 ISBN 13: 9788121108362 • Shimrah, T., Maikhuri, R.K., Rao, K.S., Saxena, K.G. (2007). Shifting agriculture around Dehang-Debang Biosphere Reserve in Arunachal Pradesh: A landscape ecology perspective. In: <i>Shifting Agriculture in Asia: Implications for Environmental Conservation and Sustainable Livelihood</i>. Edited by K.G. Saxena, L. Liang and K. Rerkasem, Bishen Singh Mahendra Pal Singh, Dehradun, India. Pp. 151-175. ISBN 978-81-211-0602-3.

	<ul style="list-style-type: none"> • Shimrah, T., Singh, K., Maikhuri, R.K., Rao, K.S.,Saxena, K.G. (2006). Shifting agriculture in Central and Eastern Himalayas: A landscape ecology perspective in: <i>Shifting Agriculture and Sustainable Development of North-Eastern India: Tradition in Transition</i>. Edited by P.S. Ramakrishnan, K.G. Saxena and K.S. Rao . Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi, India. Pp 373-397.ISBN: 3-906151-84-0 			
No. Of Conferences	National	Attended		Organised
		4		4
	International	2		Nil
Research Guidance	Awarded	PG	M.Phil	Doctorate
		18	Nil	Nil
	Undergoing	02	Nil	04
Research Projects	Completed	<ul style="list-style-type: none"> • Land use change and soil organic carbon stock in ecological strategic upland village agro-ecosystems in north east India: A case study in Shirui National Park. DST-SERB. New Delhi. • G.B. Pant National Institute of Himalayan Environment and Sustainable Development (GBPNIHESD, GoI) funded project (File Number: GBPNI/NMHS-2017-18/MG-10dated 28-02-2018) for 3 years entitled “Assessment, Documentation and Validation of Sustainable Traditional Management Practices with Special Emphasis on Carbon Sequestration and Livelihood Improvement in Eastern Himalaya” • Plant community structure and regenerating potential of native tree species of Delhi for effective management of urban forests in National Capital Region of Delhi. SERB, New Delhi. 		
	Undergoing	Nil		
Awards & Distinctions	Nil			
Administrative Assignments Handled	<ul style="list-style-type: none"> • Faculty Co-coordinator: Science Club, GGSIPU, 2016-17 • Faculty Co-coordinator: Nature Club, GGSIPU, 2015-16 • Convenor, ST/SC Cell, Hansraj College, Delhi University, 2013-14 • Convenor, Nature Club,Hansraj College, Delhi University, 2011-13 • Convenor, JAC GGSIPU • Deputy Centre Superintendent, Evaluation Centre, GGSIPU 			

	<ul style="list-style-type: none">• Faculty in-charge, Minor Examination, USEM, GGSIPU• Lab in-charge, Water Lab, USEM, GGSIPU
Association with Professional Bodies	<ul style="list-style-type: none">• Vice President, Society for Environment and Development, (India)• Member National Institute of Ecology (NEI), New Delhi• Member, Delhi University Botanical Society• Member, Phytomorphology.
Any Other Achievements	