

## FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE

Title	<b>Dr. &amp; Professor</b>	First Name	<b>Rita</b>	Last Name	<b>Singh</b>	
Designation	<b>Dean</b>					
School/ Dept. Name	<b>University School of Environment Management (USEM)</b>					
Address:	<b>AFR-105, Dean Office, A-Block, University School of Environment Management, Guru Gobind Singh Indraprastha University, Sector-16C, Dwarka, New Delhi-110078</b>					
Phone No.	Office	<b>+91-11-25302360</b>				
	Residence	<b>--NA--</b>				
	Mobile	<b>+91-9818792414</b>				
Email	1. <a href="mailto:ritasingh@ipu.ac.in">ritasingh@ipu.ac.in</a>		2. <a href="mailto:rsinghipu@gmail.com">rsinghipu@gmail.com</a>			
Web Page (If any)	<b>Cycads of India: <a href="http://www.cycadsofindia.in">www.cycadsofindia.in</a></b>					
Subject Taught	<ul style="list-style-type: none"> <li>• <b>Life Sciences</b></li> <li>• <b>Plant Taxonomy</b></li> <li>• <b>Plant Reproductive Ecology</b></li> <li>• <b>Urban Biodiversity</b></li> <li>• <b>Traditional Ethnoecology</b></li> </ul>					
Areas of Interest/ Specialization	<ul style="list-style-type: none"> <li>• <b>Biodiversity and Conservation</b></li> <li>• <b>Ethnoecology and Climate</b></li> <li>• <b>Paleobotany</b></li> <li>• <b>Plant Geography</b></li> <li>• <b>Plant-Animal Interaction</b></li> <li>• <b>Reproductive Ecology</b></li> <li>• <b>Urban Biodiversity Dynamics</b></li> </ul>					
Experience (In Years)	Total	<b>More than 40 years, respectively</b>				
	Industry	<b>---NA---</b>				
	Teaching	<b>UG Classes (28 years) PG Classes (15 years)</b>				
	Research	<b>Research experience (more than 40 years)</b>				
Educational Qualifications	UG	<b>B.Sc. Botany University of Allahabad, Uttar Pradesh</b>				

	PG	<b>M.Sc. Botany</b> <b>University of Allahabad, Uttar Pradesh</b>
	Doctorate	<b>D. Phil. Botany</b> <b>University of Allahabad, Uttar Pradesh</b>
	Any Other	<b>German and French, University of Allahabad</b>
Research Publications in Journals (last 5 years)	<ul style="list-style-type: none"> <li>• Biswas, J. &amp; <b>Singh, R.</b> (2022). <i>Ephedra stipitata</i> (Ephedraceae), a new species from Ladakh, India. <i>Ann. Bot. Fennici.</i> 59, 123-129.</li> <li>• Sharma, R., Pooja, <b>Singh, R.</b> (2021). A Preliminary Study on the Floristic Diversity of the Najafgarh Drain, South West Delhi. <i>Phytomorphology.</i> 71(1 &amp; 2), 51 – 60.</li> <li>• Das, S. K. &amp; <b>Singh, R.</b> (2021). If habitat heterogeneity is effective for conservation of butterflies in urban landscapes of Delhi, India? Unethical publication based on data manipulation. <i>Journal of Threatened Taxa.</i> 13(13), 20140-20142.</li> <li>• Diksha, <b>Singh, R.</b>, Khanna, L. (2021). <i>Glebioniscoronaria</i> (L.) Cass. Ex Spach (Asteraceae) - a new fabric dye with potential antibacterial properties. <i>Journal of the Indian Chemical Society.</i> 98(11).</li> <li>• Sehrawat, G., <b>Singh, R.</b>, Kaushik, A. (2021). Tolerance of three ornamental plant species to chromium contamination in soil and their potential for phytoextraction and phytostabilization of the toxic metal. <i>Current World Environment.</i> 16(2), 386-398.</li> <li>• Sehrawat, G., Kaushik, A., <b>Singh, R.</b> (2021). Ornamental Plant Species for Application in Phytoremediation of Metal Contaminated Soils. <i>Environment and We.</i> 16, 15-23.</li> <li>• Bisht, S., Khuraijam, J. S., <b>Singh, R.</b> (2021). Revisiting the taxonomy of the names <i>Cephalotaxus mannii</i> and <i>C. griffithii</i> (Taxaceae). <i>Phytotaxa.</i> 501(1), 189–194.</li> <li>• Biswas, J. &amp; <b>Singh, R.</b> (2021). Diminishing phyto-ethnoecological knowledge on the genus <i>Ephedra</i> Tourn. ex L. (Ephedraceae) in Ladakh, India. <i>Pleione.</i> 15(1), 033-044.</li> <li>• Khuraijam, J.S., Mazumdar, J., <b>Singh R.</b> (2020). A synopsis of the genus <i>Gnetum</i> (Gnetaceae) in India. <i>Annales Botanici Fennici.</i> 57, 131-137.</li> <li>• Bisht, S. &amp; <b>Singh, R.</b> (2020). Ethnobotanical notes on a lesser known Gymnosperm family Taxaceae of Himalayan regions in India, adjoining countries and in South-East Asia. <i>Pleione.</i> 14 (1), 01 – 16.</li> <li>• Khuraijam, J.S. &amp; <b>Singh R.</b> (2020). Taxonomic status of <i>Cycas pectinata</i> complex. In Lopez-Gallego, C., Calonje, M., Griffith, M. P., &amp; J. S. Khuraijam (Eds.) (2015). <i>Proceedings of Cycads 2015: The 10th International Conference on Cycad Biology</i> (Vol.5:1, pp. 59-76).</li> </ul>	

Medellín, Colombia: Cycads.

- Paul, M., **Singh, R.**, Das, S. K. (2020). Preliminary investigation on moths (Lepidoptera: Heterocera) as pollinators in urban settlements of Delhi. *International Journal of Ecology and Development*. 35(3), 91-98.
- Tang, W., Xu, G., Marler, T., Khuraijam, J. S., **Singh, R.**, Lindström, A. J., P. Radha, Rich, S., Nguyen, K. S., Skelley, P. (2020). Beetles (Coleoptera) in cones of cycads (Cycadales) of the northern hemisphere: diversity and evolution. *Insecta Mundi*. 0781, 1–19.
- Kahlon, L.K.&**Singh, R.** (2019). Traditional knowledge & Dynamics of edible plants of primitive tribal group 'PaudiBhuyan' with changing demography migration patterns in Northern Odisha. *Indian Journal of Traditional Knowledge*. 18(1), 7-15.
- **Singh, R.**, Khuraijam, J. S., Radha, P. (2018). Threats to populations of *Cycasorixensis*, an endangered species endemic to Odisha, India: A report. *Cycads*. 3(2), 22-23.
- Khuraijam, J. S., **Singh, R.**, Calonje, M. A., Mazumdar, J. (2018). Lectotypification of *Cycasbeddomei* (Cycadaceae). *Phytotaxa*. 383(1), 121-124.
- Khuraijam, J.S., **Singh, R.**, Calonje, M. A., Mazumdar, J. (2018). (2653) Proposal to conserve the name *Cycaspectinata* (Cycadaceae) with a conserved type. *Taxon*. 67(6), 1213.
- Kahlon, L. K. &**Singh, R.** (2018). Current status of biocultural knowledge of *PaudiBhuyan*, a particularly vulnerable tribal group (PVTG) in Northern Odisha, India. *International Journal of Research and Analytical Reviews*. 5(3), 217-223.
- Khuraijam, J. S, **Singh, R.**, Sharma, S. C., Roy, R. K., Lavaud, S., Chayangsu, S. (2017). Abnormal forking of pinnae in some Asian cycads. *Cycads*. 2 (1), 19-21.
- Paul, M., Das, S. K., **Singh, R.**, Pathania, P. C. (2017). Study and updated checklist of moths (Lepidoptera: Heterocera) in selected areas of Delhi, India. *International Journal of Current Research*. 9(8), 56208-56214.
- Skelley, P. A., Xu, G., Tang, W. I., Lindström, A. J., Marler, T., Khuraijam, J.S., **Singh, R.**, Radha, P., Rich, S. (2017). Review of *Cycadophila* Xu, Tang & Skelley (Coleoptera: Erotylidae: Pharaxonothinae) inhabiting *Cycas* (Cycadaceae) in Asia, with descriptions of a new subgenus and thirteen new species. *Zootaxa*. 4267(1), 1-63.

Papers Published in Conference Proceedings (last 5 Years)	<ul style="list-style-type: none"> <li>• Khuraijam, J.S.&amp;Singh R. (2020).Taxonomic status of <i>Cycas pectinata</i> complex. In Lopez-Gallego, C., Calonje, M., Griffith, M. P., &amp; J. S. Khuraijam (Eds.)(2015). <i>Proceedings ofCycads 2015: The 10th International Conference on Cycad Biology</i>(Vol.5:1, pp. 59-76). Medellín, Colombia: Cycads.</li> </ul>				
Books Authored/ Book Volume Chapters	<ul style="list-style-type: none"> <li>• Kahlon, L. &amp;Singh, R. (2021). Understanding Linkages between Sustainability and Traditional Ethnoecological Knowledge (TEK): A Case Study of PaudiBhuyans in Northern Odisha, India. InKaushik, A., Kaushik, C. P., &amp;Attri, S. D. (Eds.), <i>Climate Resilience and Environmental Sustainability Approaches</i> (Vol. 1, pp. 1-415). Singapore: Springer.</li> <li>• Singh, R., Biswas, J., Bisht, S. (2018). Gymnosperm diversity of the Himalayan Biodiversity Hotspot. InDas A. P., and Bera, S. (Eds.), <i>Plant Diversity in the Himalaya Hotspot Region</i> (Vol. 1, pp. 129-162). Dehradun, India: Bishen Singh Mahendra Pal Singh.</li> </ul>				
No. Of Conferences	National	Attended		Organised	
		<b>Eight</b>		--NA--	
	International	<b>Five</b>		--NA--	
Research Guidance	Awarded	PG	M.Phil	Doctorate	Post Doctorate
		<b>Average 5 per year</b>	--NA--	<b>Five</b>	<b>One</b>
	Undergoing	<b>Average 5 per year</b>	--NA--	<b>Six</b>	--NA--
Research Projects	Completed	<ul style="list-style-type: none"> <li>• <b>All India Coordinated Project on Taxonomy (Gymnosperms),MoEFCC,Government of India 2001-2012 (70.50 L)</b></li> <li>• <b>Critical Ecosystem Partnership Fund (World Bank and Mac Arthur Foundation) on North Bank Landscape 2008-2011 (7.87 L)</b></li> <li>• <b>Faculty Research Grant Scheme ,GGSIPU 2016-2017</b></li> <li>• <b>Faculty Research Grant Scheme, GGSIPU 2017-2018</b></li> <li>• <b>Faculty Research Grant Scheme, GGSIPU 2018-2019</b></li> <li>• <b>Faculty Research Grant Scheme, GGSIPU 2019-2020</b></li> <li>• <b>Faculty Research Grant Scheme, GGSIPU 2020-2021</b></li> </ul>			

		<ul style="list-style-type: none"> <li>• <b>Faculty Research Grant Scheme, GGSIPU 2021-2022</b></li> </ul>
	Undergoing	--NA--
Awards & Distinctions	<ul style="list-style-type: none"> <li>• <b>Dr. T.M. Hynniewata Biodiversity Gold Medal(2021)by the East Himalayan Society for Spermatophyte Taxonomy (EHSST)</b> for life long contribution in exploration and understanding of the Gymnospermic plants of Indian Subcontinent</li> <li>• <b>First Best Teacher Award for the year 1999-2000</b>, GGSIP University.</li> <li>• <b>Discovery of Species New to Science</b> (6 new species and one new combination of Gymnosperms)</li> </ul> <p><i>Cycas annaikalensis</i><b>R.Singh</b>&amp;P.Radha (2006)  <i>Cycas swamyi</i><b>R. Singh</b>&amp; P. Radha (2008)  <i>Cycas nayagarhensis</i><b>R.Singh</b>&amp;Khuraijam JK Singh (2015)  <i>Cycas orixensis</i><b>R.Singh</b>,P.Radha and Khuraijam JK Singh Comb.Nov. (2015)  <i>Cycas divyadarshanii</i>Khuraijam JS &amp;<b>R. Singh</b> (2020)  <i>Ephedra stipitata</i> (Ephedraceae), a new species from Ladakh, India. Biswas, J. &amp;<b>Singh, R.</b> (2022).</p> <p><b>Listed in:</b>  The World List of Cycads; <a href="http://www.cycadlist.org">www.cycadlist.org</a> ; International Plant Names Index (IPNI)</p> <p><i>Ephedra pangiensis</i><b>R.Singh</b>&amp;P.Sharma (2015)  <i>Ephedra yangthangensis</i>P.Sharma&amp;<b>R.Singh</b> (2016)</p> <p><b>Listed in:</b>  International Plant Names Index (IPNI); The Plant List ( Ephedraceae)</p> <ul style="list-style-type: none"> <li>• <b>Our Group’s contribution on Indian Cycads was included in the Fifth Report of the CBD (2014)</b></li> <li>• <b>Conceptualized, Developed and launched a new Master of Science program on Biodiversity and Conservation, 2008.</b></li> <li>• Conceptualized, designed a book on the ‘<b>Wings of Dwarka</b>’ as a Co-ordinator of the Srijan Nature’s Club, authored by three young nature club members and published by GGS Indraprastha University in 2014.</li> </ul>	
Administrative Assignments Handled	<b>Year 2021-2022 (April)</b> <ul style="list-style-type: none"> <li>• Nominated as Member of the” University Court” (2022-2023)</li> <li>• Member of the Academic Council of the University</li> <li>• Dean, University School of Environment Management, GGS Indraprastha University</li> </ul>	

- Proctor of the University
- Chairperson, University Horticulture
- Member Board of Studies, USEM
- Member SRC
- Internal committee of USEM (CAS)
- In charge BIOCON Labs. ATL 503 1&2
- Member, BOS, Botany Department, University of Allahabad
- Member, BOS, Environment Science Department, University of Allahabad

**Year 2020-2021**

- Member of the Academic Council of the University
- Dean, University School of Environment Management, GGS Indraprastha University ( from September 28,2020)
- Proctor of the University
- Chairperson, University Horticulture
- Member University COVID Task Force
- Member Board of Studies, USEM
- Member SRC
- Internal committee of USEM (CAS)
- In charge BIOCON Labs. ATL 503 1&2

**Year 2019-2020**

- Proctor
- Chairperson University Horticulture
- Chairperson Canteen Committee
- GGSIPU Residence Allotment Committee
- Member Anti –Ragging Committee
- Member Board of Studies, USEM
- Member SRC
- Internal committee of USEM (CAS)
- In charge BIOCON Labs. ATL 503 1&2

**Year 2018-2019**

- Proctor
- Chairperson University Horticulture
- Chairperson Canteen Committee
- Convocation Committee
- Discipline Committee 'Anugoonj'
- GGSIPU Residence Allotment Committee
- Member Anti –Ragging Committee
- Member Board of Studies, USEM
- Member SRC
- Internal committee of USEM (CAS)
- In charge BIOCON Labs. ATL 503 1&2

**Year 2017-2018**

	<ul style="list-style-type: none"> <li>• Chief Warden (Boys and Girls Hostels)</li> <li>• Chairperson, University Horticulture</li> <li>• Chairperson Canteen Committee</li> <li>• Convocation Committee</li> <li>• Discipline Committee 'Anugoonj'</li> <li>• Horticulture Waste Management Committee</li> <li>• Member Board of Studies, USEM</li> <li>• Member SRC,USEM</li> <li>• In charge BIOCON Labs. ATL 503 1&amp;2</li> </ul> <p><b>Year 2016-2017</b></p> <ul style="list-style-type: none"> <li>• Chief Warden</li> <li>• Chairperson University Horticulture</li> <li>• Chairperson Canteen Committee</li> <li>• Anti-Ragging Squad</li> <li>• Convocation Committee</li> <li>• Discipline Committee 'Anugoonj'</li> <li>• Task force for safety of women on campus</li> <li>• Member Board of Studies, USEM</li> <li>• Member SRC</li> <li>• Programme Co-Ordinator,M.Sc. Bio &amp; Con (Till December 2016)</li> <li>• In charge BIOCON Labs. ATL 503 1&amp;2</li> </ul>
Association with Professional Bodies	<ul style="list-style-type: none"> <li>• Member of IUCN/Species Survival Commission, Cycad Specialist Group.</li> <li>• Life Member and Fellow of The Society of Plant Reproductive Biologists (FSPRB)</li> <li>• Life Member, <i>Phytomorphology</i>- An International Society of Plant Morphologists</li> <li>• Life Member, <i>Pleione</i>,East Himalayan Society of Spermatophyte Taxonomy (EHSST)</li> <li>• Life Member, The Cycad Society of America</li> </ul>
Any Other Achievements	<p><b>Conceptualized and Designed New Curricula and Coursesfor innovative start- ups and jobs</b></p> <ul style="list-style-type: none"> <li>• Developed and introduced a new course in 'Plant Reproductive Ecology"- Generic Elective 4 Credits (EMBCGE-616) 2015 onwards</li> <li>• Developed and introduced a new course in 'Urban Biodiversity Strategies"-Open Elective 4 Credits (EMOE-735) 2015 onwards</li> <li>• Developed and introduced a new course for Pre PhD Course work on " Systematics and Reproductive Ecology of Plants"(PES-915)</li> </ul> <p><b>Development of Innovative pedagogy; Contributor / Contributors</b></p> <ul style="list-style-type: none"> <li>• Developed field based training programme in M.Sc.Biodiversity and Conservation Programme (EMBC-657)</li> <li>• Developed a Key based identification of Angiosperm Families for Master's students</li> </ul>

