



Faculty Details proforma for DU Web-site (Year 2020-21)

(PLEASE FILL THIS IN AND Email it to websiteDU@du.ac.in and
cc: director@ducc.du.ac.in)

Title	Prof./Dr.	First Name	Maharaj	Last Name	Pandit	Photograph
Designation	Professor					
Address	Department of Environmental Studies, University of Delhi, Delhi - 110007.					
Phone No. Office	011-27667125					
Residence	-					
Mobile	9811047018					
Email	mkpandit@cismhe.org ; rajkpandit@gmail.com					
Web-Page	www.maharajpandit.com					
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	University of Delhi				1991-92	
PG	University of Garhwal				1984-85	
UG	University of Delhi				1980-82	
Any other qualification						
Career Profile						
Department of Environmental Studies, University of Delhi.		2010-	Professor	Teaching/Research		
National University of Singapore, Singapore.		2019	Distinguished Visiting Professor	Teaching/Research		
Faculty of Science, University of Delhi		2016-18	Dean	Administration		
Department of Environmental Studies, University of Delhi.		2015-18	Professor & Head	Administration/ Teaching/Research		
Radcliffe Institute for Advanced Study, Harvard University.		2015-16	Hrdy Fellow	Scholar-in-Residence		
Department of Environmental Studies, University of Delhi.		2010-2012	Professor & Head	Administration/ Teaching/ Research		
University Scholars Programme, National University of Singapore, Singapore.		2012-2013	Visiting Sr. Fellow	Teaching/Research		
Department of Geography, National University of Singapore, Singapore.		2012-2013	Jt. Courtesy Professor	Teaching/Research		
School of Environmental Studies University of Delhi.		2009-2011	Professor & Director	Administration/ Teaching/ Research		
University Scholars Programme, National University of Singapore, Singapore.		2008	Visiting Sr. Fellow	Teaching/Research		
University Scholars Programme, National University of Singapore, Singapore.		2005- 2007	Visiting Sr. Fellow	Teaching/Research		
Centre for Inter-disciplinary Studies of Mountain & Hill Environment (CISMHE), University of Delhi, Delhi.		2003-	Professor & Director	Administration/ Teaching/ Research		
Centre for Inter-disciplinary Studies of		2000- 2003	Sr. Scientist I/c	Administration/		

Mountain & Hill Environment (CISMHE), University of Delhi South Campus, New Delhi.		(Professor Grade)	Research/ Teaching
Centre for Inter-disciplinary Studies of Mountain & Hill Environment (CISMHE), University of Delhi South Campus, New Delhi.	1993/97- 2000	Sr. Scientist I/c (Reader's Grade)	Administration/ Research/ Teaching
Administrative Assignments			
Chairman, CBCS Committee, University of Delhi	2019-	Chairman	Administration
Chairman, EWS Proposal Committee, University of Delhi	2019-	Chairman	Administration
Chairman, Computer Procurement Committee, University of Delhi	2019-	Chairman	Administration
Chairman, Admission Committee, University of Delhi	2016-18	Chairman	Administration
Chairman, Planning Committee, University of Delhi	2017-	Chairman	Administration
Faculty of Science, University of Delhi	2016-18	Dean	Administration
Department of Environmental Studies, University of Delhi	2015-18	Head of the Department	Administration/ Teaching/ Research
Department of Environmental Studies, University of Delhi	2010-2012	Head of the Department	Administration/ Teaching/ Research
School of Environmental Studies University of Delhi	2009- 2012	Director	Administration/ Teaching/ Research
Centre for Inter-disciplinary Studies of Mountain & Hill Environment, University of Delhi	2003- present	Director	Administration/ Teaching/ Research
Centre for Inter-disciplinary Studies of Mountain & Hill Environment, University of Delhi	1997-2002	Scientist In-charge	Administration/ Teaching/ Research
Ecogenomics; Biodiversity Conservation; River Ecology; Water Resources & Environment Impact Assessment; Aquatic Ecology			
Subjects Taught			
M.A./M.Sc. Environmental Studies: Paper 5 - Environmental Impact & Risk Assessment M.Sc. Environmental Studies: Paper 9 – Atmosphere and Global Climate Change M.Sc. Environmental Studies: Paper 11 - Biodiversity & Conservation Biology			
Research Guidance			
<i>List against each head (If applicable)</i>			
1. Supervision of awarded Doctoral Thesis : Five			
2. Supervision of Doctoral Thesis, under progress : Four			
3. Supervision of awarded M.Phil. dissertations : Nil			
4. Supervision of M.Phil. dissertations, under progress : Nil			
Publications Profile			
<i>List against each head (If applicable) (as illustrated with examples)</i>			
<i>Books/Monographs (Authored/Edited):</i>			
1. Pandit, M.K. 2017. Life in the Himalaya: An Ecosystem at Risk . Harvard University Press.			
<i>Research papers published in Refereed/Peer Reviewed Journals [Last Five Years only]</i>			
Published:			

1. Bhatt, J.P. and **Pandit, M.K.**, 2019. Local hunting practices and wildlife conservation in Arunachal Pradesh, India. **Animal Conservation**, doi:10.1111/acv.12492
2. Manish, K. and Pandit, M.K., 2019. Identifying conservation priorities for plant species in the Himalaya in current and future climates: A case study from Sikkim Himalaya, India. **Biological Conservation**, 233: 76-184.
3. Manish, K. & **Pandit, M.K.** 2018. Phylogenetic diversity, structure and diversification patterns of endemic plants along an elevational gradient in the Eastern Himalaya. **Plant Ecology & Diversity**, 11: 501-513.
4. Manish, K. & **Pandit, M.K.** 2018. Geo-physical upheavals and evolutionary diversification of plant species in the Himalaya. **Peer J**, 6, p.e5919.
5. Berry, E., Sharma, S.K. **Pandit, M.K.** & R. Geeta. 2018. Evolutionary correlation between floral monosymmetry and corolla pigmentation patterns in Rhododendron. **Plant Systematics and Evolution**, 304:219-230.
6. Bhatt, J.P., Tiwari, S. & **Pandit, M.K.** 2017. Environmental impact assessment of river valley projects in upper Teesta basin of Eastern Himalaya with special reference to fish conservation: a review. **Impact Assessment and Project Appraisal**, 35:340-350.
7. Manish, K., **Pandit, M. K.**, Telwala, Y., Nautiyal, D.C., Tiwari, S. & Koh, L.P. 2017. Elevational plant species richness patterns and their drivers across non-endemics, endemics and growth forms in the Eastern Himalaya. **Journal of Plant Research**, 130: 829-844.
8. Manish, K., Telwala, Y., Nautiyal, D.C. and **Pandit, M.K.**, 2016. Modelling the impacts of future climate change on plant communities in the Himalaya: a case study from Eastern Himalaya, India. **Modeling Earth Systems and Environment**, 2 (2): 1-12.
9. Jain, M., Dawa, D., Mehta, R., Dimri, A. P., & **Pandit, M. K.** 2016. Monitoring land use change and its drivers in Delhi, India using multi-temporal satellite data. **Modeling Earth Systems and Environment**, 2 (1), 1-14.
10. Bhatt, J.P. & **Pandit, M.K.** 2016. Endangered Golden Mahseer *Tor putitora* Hamilton: A review of Natural History. **Reviews in Fish Biology & Fisheries**, 26: 25-38.
11. Bhatt, J. P., Manish, K., Mehta, R., & **Pandit, M. K.** 2016. Assessing Potential Conservation and Restoration Areas of Freshwater Fish Fauna in the Indian River Basins. **Environmental Management**, 57: 1098-1111.
12. Nyamwanza, A., Kayhan, A. K., **Pandit, M. K.**, Haque, A., Riedy, C., Doherty-Bigara, J., ... & Dingman, E. 2015. The Big Question: Climate's Biggest Losers Who has the most to lose from climate change in your country?. **World Policy Journal**, 32: 3-7.
13. **Pandit, M.K.**, Kumar, M and Koh, LP. 2014. Dancing on the roof of the world: Ecological transformation of the Himalayan landscape. **BioScience** 64:980-992.
14. **Pandit, M.K.**, White, S and Pocock, MJ. 2014. The contrasting effects of genome size, chromosome number and ploidy level on plant invasiveness: a global analysis. **New Phytologist** 203: 697-703.
15. **Pandit, M.K.** 2013. The Himalayas must be protected. **Nature** 501:283.
16. Grumbine, RE and **Pandit, M.K.** 2013. Threats from India's Himalaya dams. **Science** 339:36-37.
17. Telwala Y, Brook BW, Manish K, **Pandit M.K.** 2013. Climate-Induced Elevational Range Shifts and Increase in Plant Species Richness in a Himalayan Biodiversity Epicentre. **PLoS ONE** 8(2): e57103. doi:10.1371/journal.pone.0057103.
18. **Pandit, M.K.** and Kumar, V. 2013. Land use and conservation challenges in Himalaya: Past, present and future. In: Sodhi NS, Gibson, L & Raven PH. **Conservation Biology: Voices from the Tropics**. pp. 123-133. Wiley-Blackwell, Oxford, UK.
19. **Pandit, M.K.** 2013. *Chipko*: Failure of a Successful Conservation Movement. In: Sodhi, NS, Gibson, L & Raven PH. **Conservation Biology: Voices from the Tropics**. pp. 126-127. Wiley-Blackwell, Oxford, UK.
20. **Pandit, M.K.** and Grumbine, R.E. 2012. Potential effects of ongoing and proposed hydropower development on terrestrial biological diversity in the Indian Himalaya. **Conservation Biology** 26:1061-1071. [<http://www.nature.com/news/flood-of-protest-hits-indian-dams-1.11932>].
21. Bhatt, J.P., Kumar, M. and **Pandit, M.K.** 2012. Elevational gradients in fish diversity in the Himalaya: Water discharge is the key driver of distribution patterns. **PLoS ONE** 7(9): e46237. [<http://www.nature.com/news/flood-of-protest-hits-indian-dams-1.11932>].
22. **Pandit, M.K. et al.** 2011. Ploidy influences rarity and invasiveness in plants. **Journal of Ecology** 99: 11088-1115. [<http://www.nature.com/news/2011/110406/full/news.2011.213.html>].
23. Sharma, S.K. and **Pandit, M.K.** 2011. Taxonomic study on *Panax sikkimensis* Ban. (Araliaceae) species complex using morphometric analysis from Sikkim Himalaya, India. **Plant Syst. Evol.** 297: 87-98.

Conference Organization/ Presentations (in the last three years)

List against each head (If applicable)

1. **Organization of a Conference):**

[Looking beyond Disciplinary Silos: Understanding Relationships between Himalayan Floral Evolution and Earth Surface Processes](#) :: August 24-25, 2016.

- **Exploratory Seminar at the Radcliffe Institute for Advanced Study, Harvard University**
- **Seminar Leaders: Prof. Maharaj Pandit & Prof. Andrew Knoll**

2. *Participation as Paper/Poster Presenter*

Research Projects (Major Grants/Research Collaboration)[Last Five Years Only]

- Ecological Studies of Teesta Basin in North Bengal: Carrying Capacity Studies of Teesta Basin. **WAPCOS, Ministry of Water Resources, Government of India.**
- Environmental Impact Assessment of Lower Siang H.E. Project and Environment Management Plan for Biodiversity Conservation, Rehabilitation of Affected Families, Public Health Delivery System, Treatment of Degraded Ecosystems in Lower Siang Valley, Arunachal Pradesh, India. **Jaypee Associates, India.**
- Environmental Impact Assessment of Tato H.E. Project and Environment Management Plan for Biodiversity Conservation, Rehabilitation of Affected Families, Public Health Delivery System, Treatment of Degraded Ecosystems in West Siang District, Arunachal Pradesh, India. **Reliance Power, India.**
- Carrying Capacity Based Developmental Planning of Teesta Basin, Sikkim. **MoEF, Govt. of India.**
- Environmental Impact Assessment of Demwe Lower HE Project and Environment Management Plan for Biodiversity Conservation, Rehabilitation of Affected Families, Public Health Delivery System, Treatment of Degraded Ecosystems in Lower Demwe Valley, Arunachal Pradesh, India. **Athena Power Corporation, India.**
- Environmental Impact Assessment of Luhri HE Project and Environment Management Plan for Biodiversity Conservation, Rehabilitation of Affected Families, Public Health Delivery System, Treatment of Degraded Ecosystems in Middle Satluj Valley, Himachal Pradesh, India. **Satluj Jal Vidyut Nigam Ltd., India.**
- Environmental Impact Assessment of Teesta Stage IV HE Project and Environment Management Plan for Biodiversity Conservation, Rehabilitation of Affected Families, Public Health Delivery System, Treatment of Degraded Ecosystems in Teesta Valley, Sikkim, India. **NHPC, India.**

Awards and Distinctions [Last Five Years]

- **Distinguished Service Award, University of Delhi (2019)**
- **Ngee Ann Kongsi Distinguished Visiting Professor, National University of Singapore (2018-19)**
- **Exploratory Seminar Grant Award, Radcliffe Institute, Harvard University (2016)**
- **Radcliffe Fellow, Harvard University (2015-2016)**
- **Fellow, National Academy of Sciences of India (2015)**
- **Independent Director, Board of Directors, THDC India Ltd.**
- **Member, Special Committee for Interlinking of Rivers**
- **Visiting Senior Fellow, National University of Singapore (2009-2010).**
- **Visiting Senior Fellow, National University of Singapore (2012-2013).**
-

Association With Professional Bodies [For details see website: www.maharajpandit.com]

1. *Editing*
 - Academic Editor: **PLoS ONE**
 - *Editorial Board: Research & Reports in Biology*
2. *Reviewing*
3. *Advisory*
4. *Committees and Boards*
5. *Memberships*
6. *Office Bearer*

Other Activities

[For details see website: www.maharajpandit.com]