



**DESHBANDHU COLLEGE  
(UNIVERSITY OF DELHI)  
KALKAJI, NEW DELHI - 110019**

**Faculty details proforma for College Website**

Title	<b>Dr.</b>	First Name	<b>KUMAR</b>	Last Name	<b>SHANTANU</b>	Photograph
Designation	<b>ASSISTANT PROFESSOR</b>					
Address	<b>DEPARTMENT OF BOTANY, DESHBANDHU COLLEGE, KALKAJI, NEW DELHI - 110019</b>					
Phone No	Office	<b>011-26235542</b>				
	Residence	<b>011-42458066</b>				
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Email	<a href="mailto:kshantanu@db.du.ac.in"><b>kshantanu@db.du.ac.in</b></a>					
Web-Page						
Educational Qualifications <b>M.Sc., M.Phil., Ph.D.</b>						
Degree	Institution		Year			
Ph.D.	<b>UNIVERSITY OF DELHI</b>		<b>2010</b>			
M.Phil.	<b>UNIVERSITY OF DELHI</b>		<b>2005</b>			
PG	<b>UNIVERSITY OF DELHI</b>		<b>2003</b>			
UG	<b>UNIVERSITY OF DELHI</b>		<b>2001</b>			
Any other qualification						
Career Profile						
<p>Working as Assistant Professor of Botany in Deshbandhu College, University of Delhi since July 2009.</p> <p>Working as Associate NCC officer at 1 Delhi Air Sqn (Flg) NCC at the rank of Flying Officer since 2014.</p> <p>Worked as Assistant Professor of Botany in Kirorimal College, University of Delhi from July 2009 to August 2009 as Guest Faculty.</p> <p>Worked as Assistant Professor of Botany in Acharya Narendra Dev College, University of Delhi from July 2007 to April 2008 on Adhoc basis.</p> <p>Worked as Assistant Professor of Botany in Dyal Singh College, University of Delhi from September 2005 to March 2007 as Guest Faculty.</p>						
Administrative Assignments						
<p><b>Convenor, Admission Workload and Planning Committee: 2018-19</b></p> <p><b>Convenor, Admission Workload and Planning Committee: 2017-18</b></p> <p><b>Admission Coordinator, B.Sc. (Prog.) Life Science: 2015-16</b></p> <p><b>Member, Time-table Committee for Science: 2016-17</b></p>						

<p><b>Member, Time-table Committee for Science: 2015-16</b>  <b>Convenor, Cultural Committee: 2014-15</b>  <b>Convenor, Cultural Committee: 2013-14</b></p>
<p>Areas of Interest / Specialization</p>
<p>Morpho-taxonomy of Archegoniates; Ecological Niche Modelling, Ecophysiology, and Environmental Management; Bioinformatics.</p>
<p>Subjects Taught:</p>
<p>Teaching Plant Biodiversity to B.Sc. (Prog.) life Sciences students.</p> <p>Teaching Bioinformatics and Biostatistics to B.Sc. (Hons.) Botany students.</p> <p>Taught Plant Biotechnology to B.Sc. (Hons.) Botany students.</p> <p>Taught Plant Ecology and Taxonomy to B.Sc. Life Sciences (CBCS) students.</p> <p>Taught Environment Studies to the students of all the streams of Science, Commerce and Humanities.</p> <p>Taught Environmental Management Paper, Genetics &amp; Genomics, Plant Physiology, Plant Anatomy, Plant Reproductive Biology, Plant Resource Utilisation, Mycology &amp; Plant Pathology, Cell Biology, Archegoniates, Algae &amp; Microbiology Paper &amp; Introduction to Biology Paper to B.Sc. (Hons.) Botany students.</p> <p>Taught Plant Ecology, Introduction to Biology Paper, Mycology &amp; Plant Pathology, Cell Biology, Archegoniates to B.Sc. Life Sciences students.</p> <p>Taught Botany part in Biology to B.Sc. Applied Physical Science students</p>
<p>Research Guidance: NA</p>
<p><i>List against each head (If applicable)</i></p> <ol style="list-style-type: none"> <li>1. <i>Supervision of awarded Doctoral Thesis</i></li> <li>2. <i>Supervision of Doctoral Thesis, under progress</i></li> <li>3. <i>Supervision of awarded M.Phil dissertations</i></li> <li>4. <i>Supervision of M.Phil dissertations, under progress</i></li> </ol>
<p>Publications Profile</p>
<p><i>List against each head (If applicable) (as Illustrated with examples)</i></p> <ol style="list-style-type: none"> <li>1. <i>Books/Monographs (Authored/Edited):</i> <p>Shantanu Suman, Sanavar and P L Uniyal. 2010. Bryophytes of Uttarakhand, India. In: The Plant Wealth of Uttarakhand Himalayas (Eds PL Uniyal, BP Chamola &amp; DP Semwal), pp 197-276. Jagdamba Publishing Company, New Delhi.</p> <p>Sanavar, P. L Uniyal &amp; Shantanu Suman. 2005. Morphology and Distribution of Podostemaceae in India. In: Frontiers in Plant Sciences (Ed KG Mukerji, KVBR Tilak, SM Reddy, LV Gangwane, P Prakash &amp; IK Kunwar) pp809-862. I K International, Delhi.</p> </li> </ol>

2. *Research papers published in Refereed/Peer Reviewed Journals*

D Dandotiya, H Govindaparyari, Shantanu Suman and P L Uniyal. 2011. Checklist of bryophytes of India. Archives for Bryology. 88: 1-126. ISSN 0945-3466

S Sinha, H Govindaparyari, Shantanu Suman and P L Uniyal. 2009. Taxonomic implication of conducting elements in the acrocarpous mosses. Nelumbo 51:183-190. ISSN : 0976-5069

3. *Research papers published in Refereed/Peer Reviewed Conferences*

Shantanu Suman, Sanavar and P L Uniyal 2010. **Assessment of heavy metal copper pollution** through Poster Presentation in Fourth International Conference on Plants and Environmental Pollution (ICPEP-4). NBRI, Lucknow. 8-11 December 2010

Presented a paper on **“Mosses of Idukki, Western Ghats, India”** in South Africa, IAB 2009.

4. *Research papers Published in Conferences/Seminar other than Refereed/Peer Reviewed Conferences*

Conference Organization/ Presentations :

*List against each head (If applicable)*

1. *Participation as Paper/Poster Presenter:*

Presented a poster entitled **BRYOPHYTES as MEDICINE: A Remedy to Cure at International Conference on Advance Research in Life Sciences** organized by SGM College and Shivaji University, Kolhapur (India) from March 27<sup>th</sup> to March 28<sup>th</sup>, 2018.

Participated / Paper Presented: Paper presented (Oral) in **“1ST NATIONAL BIORESOURCES AND SUSTAINABLE DEVELOPMENT SUMMIT-2015”, February 19-20, 2015. QUINTESSENTIALITY OF BIOINFORMATICS & DNABARCODING FOR BIODIVERSITY CONSERVATION AND MANAGEMENT**

Research Projects (Major Grants/Research Collaboration) N.A.

Awards and Distinctions N.A.

Association With Professional Bodies N.A.

Other Activities

**International Conferences:**

- Attended **“International conference and outreach program on ‘Environment & Ecology:**

**Sustainability and Challenges' (ENCON 2017)"** from January 2, 2017 to January 4, 2017 at New Delhi.

- Indo-Swiss Collaboration in Biotechnology (ISCB) International Conference on "Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & other Chlorinated Contaminants", 9-11<sup>th</sup> February, 2011, Organized by University of Delhi, India
- Attended & participated in Poster Presentation in Fourth International Conference on Plants & Environmental Pollution, 8-11<sup>th</sup> December, 2010, Organized by International Society of Environmental Botanists and National Botanical Research Institute, Lucknow, India

#### **National Conferences:**

- Participated in the National Symposium on **The Genomic Age Challenges and Opportunities in Taxonomy and Biology of Indian Pteridophytes** organized by Botanical Survey of India and The Indian Fern Society at Pune from 3<sup>rd</sup> to 4<sup>th</sup> March, 2017.
- 1st National Bioresources and Sustainable Development Summit-2015, February 19-20, 2015. Imphal, Manipur-India. Organized by Institute of Bioresources and Sustainable Development, A National Institute of Department of Biotechnology, Ministry of Science and Technology, Government of India, New Delhi, India
- National Seminar on "Role of Analytical Techniques in Biological & Environmental Sciences", 27-29<sup>th</sup> January, 2011, Organized by Indian Society of Analytical Scientists (ISAS-DC), Petrotech Society of India at Kirori Mal College, University of Delhi, India
- National Symposium on "Frontiers and Avenues in Plant Sciences", 20-21<sup>st</sup> January, 2011, Organized by Department of Botany, Shivaji College, University of Delhi, India

#### **Workshops Conducted:**

- Presided as Dy. Coordinator in the "*INSPIRE Internship Program-2015*", October 2015, Organized by Deshbandhu College, University of Delhi & Department of Science & Technology, Government of India, India
- Organized workshop on "Applied Genomics & Proteomics" organized by Deshbandhu College, University of Delhi held from 12<sup>th</sup> to 14<sup>th</sup> March 2014.
- Presided as Dy. Coordinator in the "*INSPIRE Internship Program-2014*", November 2014, Organized by Deshbandhu College, University of Delhi & Department of Science & Technology, Government of India, India
- Presided as Dy. Coordinator in the "*INSPIRE Internship Program-2013*", 16-20<sup>th</sup> December 2013, Organized by Deshbandhu College, University of Delhi & Department of Science & Technology, Government of India, India
- Presided as Dy. Coordinator in the "*INSPIRE Internship Program-2012*", 1-5<sup>th</sup> October 2012, Organized by Deshbandhu College, University of Delhi & Department of Science & Technology, Government of India, India

#### **Workshops attended:**

- Participated in five days **Faculty Development Program on BIOSTATISTICS: Theoretical and Practical Aspects** under the aegis of DBT Star college scheme of Department of Biotechnology, Govt. of India from March 14<sup>th</sup> to March 18<sup>th</sup>, 2018 at Deen Dayal Upadhyaya College, University of Delhi.
- Participated in three weeks **refresher course in E-Learning and Digital Learning** from September 05 to September 25, 2017 conducted by Human Resource Development Centre, University of Delhi.
- Participated in **the LEVEL 2 the STEM Teacher Training Workshop on Research Based Pedagogical Tools** held from 1<sup>st</sup> March to 4<sup>th</sup> March 2017 at the Indian Institute of Science Education and Research (IISER), Pune jointly sponsored by the Department of Biotechnology (DBT), Govt. of India and Newton-Bhabha fund of the British Council conducted by a team of experts from the Centre for Science Education, Sheffield Hallam University, UK.
- Participated in **The STEM Teacher Training Workshop on Research Based Pedagogical Tools** held from 23<sup>rd</sup> January to 25<sup>th</sup> January, 2017 at the Indian Institute of Science Education and Research (IISER), Mohali jointly sponsored by the Department of Biotechnology (DBT), Govt. of India and Newton-Bhabha fund of the British Council conducted by a team of experts from the Centre for Science Education, Scheffield Hallam University, UK.
- Attended **“National Workshop on Ecology: Modern Perspectives”** from December 12, 2016 to December 13, 2016 and as member of the Panel Discussion on recent challenges in teaching the subject.
- Attended 12 weeks **“14<sup>th</sup> Foundation Course for Scientists & Technologists”** sponsored by DST conducted by Indian Institute of Public Administration (ITO) from 17<sup>th</sup> November 2014 to 6<sup>th</sup> February 2015.
- Participated in 4 Week UGC Funded Orientation Programme **“OP-114”**, 14<sup>th</sup> April – 10<sup>th</sup> May, 2014, Organized by Academic Staff College, Himachal Pradesh University, Shimla, India
- 1<sup>st</sup> Plant Proteomics Workshop/Training Programme, 26-30<sup>th</sup> December, 2013, Organized by Department of Botany, University of Delhi , India
- Participated in Biology Olympiad Exposure Camp, 4-6<sup>th</sup> September, 2013, Organized by Homi Bhabha Centre for Science Education, TIFR, Mumbai, India
- Computational Biology: A Workshop for Science Teachers, 9-11<sup>th</sup> January 2012, Organized under DBT Star College Project at D.S. Kothari Centre for Research and Innovation in Science Education, Miranda House, University of Delhi, India
- Attended Biotikos’11 a workshop on **“Impact of Biotechnology on Man and Environment”** organized by Biotechnology Society of TERI University, India on 10<sup>th</sup> March 2011.

#### **Co-Curricular Achievements:**

- Attended **“Yoga Science Camp at Patanjali, Haridwar”** from June 05, 20016 to June 11, 2016.
- Successfully completed with Grade ‘A’ **“Basic Mountaineering Course – 244 at Nehru Institute of Mountaineering”** from September 13, 2016 to October 10, 2016.
- **Contingent Commander of Senior Division Cadets of 1Delhi Air Sqn (Flg) NCC in All India Vayu Sainik Camp** from October 15, 2016 to October 26, 2016 at Jodhpur.

Signature of Faculty Member

- You are also requested to give your complete resume as a DOC or PDF file to be attached as a link on your department page.