




## Faculty Details proforma for DU Web-site

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

Title	Dr.	First Name	Savindra	Last Name	Kumar	Photograph
Designation		Assistant Professor				
Address		Department of Botany Zakir Husain Delhi College University of Delhi JLN Marg Delhi-110002				
Phone No		Office				
		Residence				
		Mobile				
Email		sk.chatwal@gmail.com				
Web-Page						
<b>Educational Qualifications</b>						
Degree		Institution			Year	
B.Sc. (Biology)		MMH college Ghaziabad, C.C.S. University Meerut			2003	
M.Sc. (Botany)		MMH college Ghaziabad, C.C.S. University Meerut			2005	
M.Phil. (Botany)		Department of Botany, University of Delhi			2007	
Ph.D. (Botany)		Department of Botany, University of Delhi			2013	
<b>Career Profile</b>						
Research Associate		Department of Botany, University of Delhi		June 19, 2013 – July 31, 2013		
PDF (Botany)		Department of Botany, University of Delhi		July 1, 2014- July 17, 2015		
<b>College</b>		<b>University</b>		<b>Duration</b>		<b>Designation</b>
Zakir Husain Delhi College		University of Delhi		July 20, 2015 to till Date		Assistant Professor Permanent
Hindu College		University of Delhi		January 2013 to April 2014		Guest Lecturer
Hansraj College		University of Delhi		January 2013 to April 2013 and January 2014 to April 2014		Guest Lecturer
Motilal College		University of Delhi		January 2014 to April 2014 January 2015 to March 2015		Guest Lecturer
<b>Administrative Assignments</b>						
<b>Organizing Secretary</b>						
<p>1: International Algal Summit “Algae for sustainable development. Held at TERI University New Delhi, 21-22 February 2012.</p> <p>2: 7th Asia-Pacific Conference on Algal Biotechnology Jointly Organized by Department Of Botany, University of Delhi, Delhi, India and Indian Phycological Society, New Delhi, India,</p>						

December 1- 4, 2009, New Delhi – India.

#### Organizing Committee member

1. National Symposium on Biotechnology in Crop Improvement: Prospects and Constrains” Organised by Zakir Husain Delhi College, University of Delhi, Delhi, on April 1, 2016
2. National Seminar of Prof. B. M. Johri Rolling Shield Competition “Does climate change influence food and energy security?” Organized by Delhi University Botanical Society (DUBS). Held at Department of Botany, University of Delhi on September 22-23, 2014
3. Volunteer member of Delhi University Botanical Society (DUBS) for the year 2014-15

Apart from these I was actively involved in various Departmental and College activity such as Quizzes, Annual Days, ADAAB, Convocation, DUSU Election, Student Refreshers, orientations etc.

Areas of Interest / Specialization: Applied Phycology

MY MAJOR INTEREST IS ALGAE/SEAWEEDS' APPLICATIONS FOR SOCIETAL BENEFIT BY USING SCIENCE & TECHNOLOGY.

#### Subjects Taught

1. Phycology
2. Microbiology
3. Archegoniate
4. Genetics
5. Biotechnology
6. Ecology/Environment
7. Taxonomy

#### Research Guidance

#### Publications Profile

##### Research Papers

- Shukla, R., Kumar, M., Chakraborty, S., Gupta, R., Kumar, S., Sahoo, D. and Kuhad, R.C. 2016. Process development for the production of bioethanol from waste algal biomass of *Gracilaria verrucosa*. *Bioresource Technology*. <http://dx.doi.org/10.1016/j.biortech.2016.08>. ISSN 0960-8524.
- Kumar, S., Sahoo, D. and Levine, I. 2015. Assessment of nutritional value in a brown seaweed *Sargassum wightii* and their seasonal variations. *Algal Research* 9:117-125. ISSN 2211-9264.
- Kumar, S., Baweja, P and Sahoo D. 2014. Light and scanning electron micrographic studies in cystocarpic plant of *Rhodymenia dissecta*. *Phytomorphology* 64(1&2): 53-62. ISSN 0031-9449.
- Kumar, S., Gupta, R., Kumar, G., Sahoo, D. and Kuhad, R.C. 2013. Bioethanol production from *Gracilaria verrucosa*, a red alga, in a biorefinery approach. *Bioresource Technology*. 135 pp 150-156. ISSN 0960-8524.

##### Book Chapters

- Baweja, P., Kumar, S., Sahoo, D. and Levine, I. 2016. Biology of Seaweeds. *In: Seaweed in Health and Disease Prevention*. Eds: Joël Fleurence and Ira Levine. ISBN: 978-0-12-802772-1. Pp 41-106.
- Kumar, S., Sahoo, D. and Levine, I. 2015. Algae as a source of biofuel. *In: Springer Dordrecht Heidelberg New York London In: Cellular origin, life in extreme habitats and astrobiology new volume: Algal World*. pp 483-500 ISBN no. 978-94-017-7320-1 & ebook 978-94-017-7320-1. Pp483-501.
- Kumar, S., Baweja, P. and Sahoo, D. 2015. Diatoms: Yellow or Golden Brown Algae. *In: Springer Dordrecht Heidelberg New York London In: Cellular origin, life in extreme habitats and astrobiology new volume: Algal World*. pp 483-500 ISBN no. 978-94-017-7320-1 & ebook 978-94-017-7320-1. pp 235-258.
- Sahoo, D. and Kumar, S. 2015. Xanthophyceae, Euglenophyceae and Dinophyceae. *In: Springer Dordrecht Heidelberg New York London In: Cellular origin, life in extreme habitats and astrobiology new volume: Algal World*. pp 483-500 ISBN no.

978-94-017-7320-1 & ebook 978-94-017-7320-1. pp259-307.

- Sahoo, D., Kumar, S., Elangbam, G., Devi, S.S., 2012. Biofuel production from algae through integrated biorefinery. Springer Dordrecht Heidelberg New York London In: Cellular origin, life in extreme habitats and astrobiology new volume: The Science of Algal Fuel. pp. 215-230. ISSN 1566-0400; ISBN 978-94-007-5109-5 and ISBN 978-94-007-5110-1 (eBook).
- Kumar, S. and Sahoo D. 2012. Seaweeds as a source of bioethanol. *Algal Biotechnology and Environment*. I. K. International Publication New delhi. pp. 101-109. ISBN -10:9381141711. ISBN-13:978-9381141717.

#### Abstracts/Poster presentation/Oral Presentation

- Kumar, S. and Sahoo D. Seasonal variations in the alginate content of *Sargassum wightii* and biochemical composition of its leftover pulp. 5<sup>th</sup> International Conference on Algal Biomass, Biofuels and Bioproducts” on 7<sup>th</sup>-10<sup>th</sup> June 2015. San Diego, USA. Organized by Elsevier.
- Kuhad, R.C., Shukla, R., Kumar, S., Kumar, M., Sahoo, D. Improved enzymatic hydrolysis of algal pulp from *Gracilaria verrucosa*. 1<sup>st</sup> National Bioresources and Sustainable Development summit-2015. Organized by Institute of Bioresources and Sustainable Development. Held at Imphal Manipur, February 19-20, 2015.
- Sahoo, D. Kumar, S. Mass cultivation of *Gracilaria verrucosa* at Chilika Lake, India for bioethanol production. Algae a World solution: APPF 2014. The 7<sup>th</sup> Asian Pacific Phycological Forum. Held at Wuhan China September 20-24, 2014.
- Kumar, S. and Sahoo D. Bioethanol production from Seaweeds. International Algal Summit on “Algae for Sustainable Development” Jointly organized by Indian Phycological Society, New Delhi, India and The Energy and Resources Institute (TERI), New Delhi, India. 21-22 February 2012, New Delhi, India
- Kumar, S., Verma, P. and Sahoo D. Occurrence of *Ceramium* sp. as epiphytes on some seaweeds of Port Okha, Gujarat, India. 24<sup>th</sup> Annual International Conference of NESI –New Delhi on Bioremediation and Environmental Management and Polar Science & Technology. Held at Presidency College Kempapura, Hebbal, Bangalore -560024, 28<sup>th</sup>-29<sup>th</sup> December 2011.
- Kumar, S., Baweja, P and Sahoo D. Light and scanning electron micrographic studies in cystocarpic plant of *Rhododymenia dissecta*. 7<sup>th</sup> Asia-Pacific Conference on Algal Biotechnology Jointly Organized by Department of Botany, University of Delhi, Delhi, India and Indian Phycological Society, New Delhi, India, December 1- 4, 2009, New Delhi, India.

#### Conference Organization/ Presentations (in the last three years)

##### National / International Seminars/Conferences

- Participated in “National Symposium on Biotechnology in Crop Improvement: Prospects and Constrains” Organised by Zakir Husain Delhi College, University of Delhi, Delhi, on April 1, 2016.
- Participated in “Green Educators’ Network” on 28-29 January 2016, Organised by Centre for Science and Environment
- Participated in “1<sup>st</sup> Himalayan Conclave-2015” on 9-10 September 2015, Organised by Institute of Bioresources and Sustainable Development in association with Department Of Botany, University of Delhi, Delhi, India, Himalayan Environmental Studies and Conservation Organisation, India, Institute of Himalayan Bioresource Technology, India,
- Participated in The “5<sup>th</sup> International Conference on Algal Biomass, Biofuels and Bioproducts” on 7<sup>th</sup>-10<sup>th</sup> June 2015. San Diego, USA. Organized by Elsevier
- Attended International Conference on “Integrated Medicinal Plants with Forestry Sector” on November 8-9, 2014 organized by National Medicinal Plants Board, Department of , AYUSH, Ministry of Health and Family Welfare, Govt. of India.

##### Workshops/Training attended

- Workshop on Research Metrics organized by Delhi University Library System, University of Delhi, on February 26, 2015.
- One day workshop “Ankuran” on Development of Herbal Garden organized by e-Saviours Eco Club, Shivaji College, University of Delhi, Delhi in collaboration with National Medicinal Plant Board, Ministry of Ayush, Government of India and Centre for Environment Education, Department of Environment, Government of NCT of Delhi. On 29<sup>th</sup>

January, 2015.

- Author workshop “Understanding the books and journal article publishing process” organized by Delhi University Library System, University of Delhi, in collaboration with Elsevier, DLF cyber city, Gurgaon, Haryana on 22<sup>nd</sup> September 2014.
- International Publishing Connect workshop conducted by Elsevier in association with University of Delhi. Held at University of Delhi, New Delhi on 11<sup>th</sup> September 2013.
- Workshop on Biotechnology: Trends and Techniques. SPONSORED BY DBT-Star College Project, Hindu College, University of Delhi. Held at Hindu College University of Delhi on 28-31 May 2013.

#### Research Projects (Major Grants/Research Collaboration)

Post-Doctoral Research Fellow under UGC PDFSCST scheme entitled “Utilization of industrial waste of seaweeds for the production of bioethanol and biofertilizer based on zero waste concept” in the Department of Botany, University of Delhi (July 1st, 2014- July 17th 2015).

#### Awards and Distinctions

- UGC POST-DOCTORAL Fellowship for the year 2013-14
- Joint CSIR-UGC NET-JRF (Life Sciences) December 2007
- Joint CSIR-UGC NET (Life Sciences) for Lectureship June 2007
- M.Sc. gold medal: “Dev Raj Memorial Gold Medal” for Best SC/PG Student of the Year 2005
- Rajiv Gandhi National Fellowship from University Grants Commission

#### Association With Professional Bodies

Indian Phycological Society  
Delhi University Botanical Society

#### Other Activities



Signature of Faculty Member

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