

## Dr. SOURAV SINGH DEO (Ph.D.)

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### EDUCATIONAL QUALIFICATION

- 2010: **Ph.D.** Department of Botany, University of Delhi.  
Title: **REPRODUCTIVE BIOLOGY OF MANGROVE-ASSOCIATE *EXCOECARIA AGALLOCHA* L. IN BATTIGHAR ISLAND OF ORISSA AND AFFINITY ANALYSIS WITH POPULATIONS IN FOUR OTHER COASTAL STATES OF INDIA.**
- 2004: **CSIR-UGC-JRF-NET** held on 28<sup>th</sup> December, 2003.  
2004: Passed **M.Sc.** (Botany) from Department of Botany, University of Delhi.  
2002: Passed **B.Sc. (H)** Botany from Ramjas College, University of Delhi.  
1999: Passed **Senior School Certificate Examination** (CBSE).  
1997: Passed **Indian Certificate of Secondary Education Examination** (ICSE).

### TEACHING EXPERIENCE

1. 2<sup>nd</sup> Jan 2012 to present: Assistant Professor (Ad hoc) **Deshbandhu College, University of Delhi.**
2. 16<sup>th</sup> Aug 2011 to 15<sup>th</sup> Dec 2011: Assistant Professor (Ad hoc) **Acharya Narendra Dev College, University of Delhi.**
3. 8<sup>th</sup> January 2010 to 31<sup>st</sup> March 2010: Assistant Professor (Ad hoc) **Zakir Husain College, University of Delhi.**
4. July 2011 to November 2011: Assistant Professor (Guest) **Kirori Mal College, University of Delhi**
5. July 2011 to November 2011: Assistant Professor (Guest) **School of Planning and Architecture, Deemed to be University.**
6. July 2013 to November 2013: Assistant Professor (Guest) **School of Planning and Architecture, Deemed to be University.**

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### INTERNATIONAL & NATIONAL (Symposia/Conference/Workshop) ATTENDED:

1. Workshop on “**Capacity Building on Biosafety**” organized by the Biotech Consortium India Limited, New Delhi at The Ambassador Hotel, New Delhi on March 23-24, 2005.
2. National Consultation on “**Liability & Redress in context of Cartagena Protocol on Biosafety**” organized by Jawaharlal Nehru Chair in International Environmental Law, Jawaharlal Nehru University and Biotech Consortium India Limited, New Delhi, at Indian International Centre Annexe, New Delhi on March 28-29, 2005.
3. Workshop on “**The Safety Assessment of Genetically Modified Foods**” organized by the AGBIOS Inc. Canada and Biotech Consortium India Limited, New Delhi under the South Asia Biosafety Programme (SABP), at The Oberoi, New Delhi on April 11-12, 2005.
4. Conference on “**New Developments in Rapeseed-Mustard**” organized by Mustard Research and Promotion Consortium, Janakpuri, New Delhi – 110 058 on January 21, 2006.
5. Field workshop on **Pollination Ecology** at Kalakad Mundanthurai Tiger Reserve, India. Conducted by Prof. Amot Dafni, Institute of Evolution, University of Haifa, Israel. Organised by Ashoka Trust for Research in Ecology and the Environment, Bangalore (ATREE) on February 7-13, 2007.
6. XXXI All India Botanical Conference & International Symposium on Plant Biology and Environment: **Changing Scenario.** Organized by Department of Botany, University of Allahabad, Allahabad – 211 002 and Co-Organiser Patanjali Yogpeeth (Trust) Haridwar 242 401 on December 17-19, 2008.

7. Workshop on “**Reproductive Biology of Angiosperms**”. Organized by Institute of Lifelong Learning, UDSC and Department of Botany, Dayal Singh College. March 16-17, 2015.
  8. National Workshop on “**Technical Terminology in Science Teaching**”. Organized by Commission for Scientific and Technical Terminology, MHRD and DHE. Held at Deshbandhu College, University of Delhi. October 26-27, 2017.
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#### **RESOURCE PERSON IN-**

1. Three-day Capacity Building Workshop on “**Basic Laboratory Techniques and Lab Ethics**” jointly organized by the departments of Biochemistry, Botany and Zoology, Deshbandhu College, University of Delhi, under the aegis of DBT STAR college scheme and IQAC from 22 to 24 December, 2021.
2. Online hands-on workshop on “**Research Methodology**” organized by Deshbandhu College in under the aegis of DBT Star College Scheme and IQAC, 1<sup>st</sup> April – 5<sup>th</sup> April, 2021.
3. **Evaluator in Vidyarthi Vigyan Manthan – 2019-20** for state level camp (**Level-II**), New Delhi organized by Vjnana Bharti (VIBHA) in association with Vigyan Prasara, DST, NCERT and MHRD, Government of India at Deshbandhu College, University of Delhi held on January 19, 2020.
4. **INSPIRE Internship Program 2019**”, organized by Deshbandhu College, University of Delhi, December 17-21, 2019.
5. **INSPIRE Internship Programme 2012-15, 2017** held at Deshbandhu College, University of Delhi, Kalkaji, New Delhi
6. National symposium on “**Vector Biology and Vector Management**” held during 2013, 2015 and 2016 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi.
7. Workshop on “**Applied Genomics and Proteomics**” held during March 12-14, 2014 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi.
8. **Resource Person, INTEL Science Talent Discovery Fair 2005-2007.**

#### **MANAGEMENT/INNOVATION IN EDUCATION:**

- **Member, Field Evaluation Group** for the preparation of Environmental Impact Assessment (**EIA**) and Environmental Management Plan (**EMP**) of a proposed **Hydro Electric Power project** at Chuzachen on Rongli and Rangpo Chu in the East district of Sikkim to generate **101.2 MW** of power. In collaboration with **A-ENVIRO INTERNATIONALS**, India and **Department of Geology**, University of Delhi. The two volumes of EIA and EMP covered issues such as environmental impact assessment, biodiversity conservation plans, catchment area treatment plan, and relief and rehabilitation plan for affected people of the area including their health facilities.

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#### **INTERNATIONAL & NATIONAL (Symposia/Conference/Workshop/Webinar) ORGANISED:**

1. Member, organizing committee for “**70<sup>th</sup> Foundation Day: DBC@70**” held at Dr Ambedkar International Center, New Delhi on August 1, 2022.
2. Member, organizing committee for Webinar on “**Gender Sensitivity: Roles and Responsibility**” organised by Deshbandhu College in association with Pettigrew College under the aegis of Vidya Vistar Scheme on July 2, 2022.
3. Member, organizing committee for 2<sup>nd</sup> Career Counselling Webinar on ‘**AVENUES IN PUBLIC HEALTH CARE**’ organized by Deshbandhu College, University of Delhi in association with Pettigrew College, Manipur University under the aegis of Vidya Vistar Scheme on June 25, 2022.
4. Executive Committee Member, for National Conference on “**National Education Policy: Implementation Challenges, Opportunities and probable outcomes**” held at Deshbandhu College on May 14, 2022.

5. Member, organizing committee for Paper reading contest on **“Wetlands Conservation”** organized by Department of Botany, Deshbandhu College, under the aegis of IQAC and DBT-Star College Scheme on World Wetlands Day on February 2, 2022 at 11 am.
6. Member, organizing committee for Webinar on **“Coastal Wetlands and Climate Change”** organized by Department of Botany, Deshbandhu College, under the aegis of IQAC and DBT-Star College Scheme on World Wetlands Day on February 2, 2022 at 3 pm.
7. Member, Organizing Committee- Webinar on **“Economic Botany & Plant Genetic Resources– National Perspective”** organized by Department of Botany, Deshbandhu College, under the aegis of IQAC on January 18, 2022.
8. Member, organizing committee for Career Counselling Webinar- **“How to crack NET LS/JRF in Life Sciences”** organized by Department of Botany, Deshbandhu College, under the aegis of IQAC and DBT-Star College Scheme on April 9, 2022.
9. Member, organizing committee for - Career Counselling Webinar on **‘AVENUES IN PUBLIC HEALTH CARE’** organized by Deshbandhu College, University of Delhi (under the aegis of IQAC) in association with Indian Institute of Public Health – Delhi, Public Health Foundation of India on July 24, 2021.
10. Member, Organizing Committee- Three-day Capacity Building Workshop on **“Basic Laboratory Techniques and Lab Ethics”** jointly organized by the Departments of Biochemistry, Botany and Zoology, Deshbandhu College, University of Delhi, under the aegis of IQAC and DBT-Star College Scheme during December 22-24, 2021.
11. Member, Organizing Committee- Virtual talk on **“प्रकृति के प्रश्नः”** by Padma Bhushan (2020) & Padma Shree (2006) awardee Dr Anil Prakash Joshi organized by Department of Botany, Deshbandhu College, under the aegis of IQAC and DBT-Star College Scheme on the occasion of World Ozone Day 2021 on September 16, 2021.
12. Member, Organizing Committee- International Webinar on- **“Plant Biotechnology- RNAi and CRISPR/Cas9 Methods”** organized by Department of Botany, Deshbandhu College, under the aegis of IQAC and DBT-Star College Scheme on March 12, 2022.
13. Member, Organizing Committee- Webinar on **“Stress Management & Building Resilience”** organized by Deshbandhu College, University of Delhi & Pettigrew College, Manipur University under the aegis of Vidya Vistar Scheme on January 28, 2022.
14. Member, Organizing Committee- Webinar on the theme, **“Understanding Sustainable Developments Goals”** organized by Deshbandhu College, University of Delhi & Pettigrew College, Manipur University under the aegis of Vidya Vistar Scheme on January 21, 2022.
15. Member, Organizing Committee- Three-days Yoga workshop on the concept of **“Foundation of Aasana and Pranayana”** organized by Department of Physical Education & Sports Sciences, Deshbandhu College, University of Delhi under the aegis of Vidya Vistar Scheme during December 22-24, 2021.
16. Member, Organizing Committee- **“Inaugural Ceremony of Vidya Vistar Scheme”** organized by Deshbandhu College, University of Delhi & Pettigrew College, Manipur University under the aegis of Vidya Vistar Scheme in December 21, 2021.
17. Member, Organizing Committee- **“Logo Design Competition”** organized by Deshbandhu College, University of Delhi & Pettigrew College, Manipur University under the aegis of Vidya Vistar Scheme in December 2021.
18. Member, Organizing Committee- 1<sup>st</sup> Annual Dr D. K. Mallick Memorial Alumni Lecture on **“Mendelian Genetics in Genomics Studies”** organized by Department of Botany, Deshbandhu College on July 17, 2021.
19. Member, Organizing Committee- Four days Hand-on Workshop (Online) on **“Research Methodology”** organized by Deshbandhu College, University of Delhi under the aegis of IQAC and DBT Star College Scheme from April 1-5, 2021.
20. Member, Organizing Committee 3-Days International Live Webinar series on **“Understanding Flora from Aquatic Ecosystems: Towards Better Conservation & Sustainable Use”** jointly organized by Department of Botany, Deshbandhu college, University of Delhi (under the aegis of IQAC and DBT-Star College Scheme), INDIA and Institute of Ocean and Earth Sciences, University Malaya, Kuala Lumpur, MALAYSIA from 26.03.2020 to 28.03.2021.
21. Coordinator- Invited Talk on **‘Plant Diversity: It’s Importance in Conservation’** by Prof. S.R. Yadav to mark the Online Inauguration Ceremony of Botanical Society for the session 2020-21 on 29.01.2021
22. Member, Organizing Committee- Webinar on **“Arbuscular Mycorrhiza: A Promise for Sustainable Cultivation of Crops”** by Prof. Rupam Kapoor, Department of Botany, University of Delhi organized by Department of Botany under the aegis of IQAC, Deshbandhu college, University of Delhi on 03.03.2021.
23. Member, Organizing Committee- Online talk on **“IPR: Basic concepts, Relevance and Opportunities”** by Dr. Arun Kumar Maurya organized by Department of Botany under the aegis of IQAC, Deshbandhu college, University of Delhi on 28.01.2021.
24. Member, Organizing Committee- two days webinar on **“Evolution of science seen from Historical Perspective”** organized by Department of Botany under the aegis of IQAC, Deshbandhu college, University of Delhi on May 12 and 13.05.2020

25. Member, Organizing Committee- virtual talk on “**Butterfly Gardening**” Dr. Ishtiaq Ahmed, Education Officer, CEC, BNHS, Delhi organized by Department of Botany, Deshbandhu College (under the aegis of IQAC and DBT-Star College Scheme) in association with Bombay Natural History Society, Conservation Education Centre (BHNS, CEC) Delhi to celebrate Butterfly month on 17.09.2020.
26. Member, Organizing Committee- 7-Days eCamp on “**Atma Nirbhar Bharat Abhiyan**” organized by Delhi Directorate Gp “C” National Cadet Corps (NCC) & Deshbandhu College, University of Delhi from 28.10.2020 to 03.11.2020.
27. Member, Organizing Committee- Online talk on “**Journey of a Biologist: Exploring the Extreme**” By Dr. Dinabandhu Sahoo organized by Botanical Society, Department of Botany, Deshbandhu College, University of Delhi on 09.10.2020.
28. Member, Organizing Committee- Webinar on “**Introduction to GIS and Remote Sensing in Natural Science**” by Dr. G. Areendran organised by Department of Botany, Deshbandhu College, University of Delhi, under the aegis of IQAC and DBT star college on 17.10.2020.
29. Member, Organizing Committee- **Online Poster Making Competition** organized by Department of Botany, Deshbandhu College under the aegis of DBT-Star College Scheme and IQAC on 05.06.2020.
30. Member, Organizing Committee in an International Conference on “**Natural Products and Human Health - 2020**” organized by Department of Zoology, Deshbandhu college, University of Delhi, February 27-29, 2020.
31. Member, Organizing Committee in the National Conference on “**Insect-Plant Biology in 21st Century**” organized by Department of Zoology, Deshbandhu college, University of Delhi, November 17-21, 2019.
32. Member, Organizing Committee for One-week summer-training programme in “**Techniques in Plant Systematics**” organized by Department of Botany, Deshbandhu College in collaboration with NBPGR & BGIR, 31 May- 06 June, 2019.
33. Member, Organizing Committee in two days Symposium on “**Avenues in Plant Science: A Hope for Sustainable future**” on 8th and 9th March 2019 in Deshbandhu College, Delhi University.
34. Member, Organizing Committee in the Fourth National Symposium on “**Environment: Green Technology for Environmental Sustainability**” on 25th September 2018 in Deshbandhu College, Delhi University.
35. National Seminar on “**Genetically Modified Organisms – Biosafety Aspects**” organized by the Delhi University Botanical Society. Department of Botany, University of Delhi, Delhi – 110 007 on March 10-11, 2005.
36. National Seminar on “**Relevance of Botany in the Conservation and Improvement of Plants**” organized by the Delhi University Botanical Society, Department of Botany, University of Delhi, Delhi – 110 007 on February 8-9, 2006.
37. International Conference on Applied Phycology “**Algae in Biotechnology and Environment**” organized by Department of Botany, University of Delhi, Delhi – 110 007 on February 14-15, 2006.
38. National Conference on “**Biodiversity Related International Conventions: Role of Indian Scientific Community**” INSA, New Delhi, organized by the Delhi University Botanical Society, International Society of Plant Morphologists. Department of Botany, University of Delhi, Delhi – 110 007 on March 8-10, 2006.
39. National Conference on “**Wetlands, Science and Society – An Assessment of their Integration**” INSA, New Delhi, organized by the Delhi University Botanical Society, International Society of Plant Morphologists. Department of Botany. University of Delhi, Delhi – 110 007 on December 11-13, 2007.

#### **EDITORIAL ASSIGNMENTS:**

- Editor, “**The Botanica**” published by Delhi University Botanical Society during 2004-2009.

#### **PUBLICATIONS**

1. **Sourav Singh Deo**, A.K. Bhatnagar and Prashant Pant 2019. Reproductive Biology of *Excoecaria agallocha* L. (Euphorbiaceae) A Mangrove-Associate Species. International Journal of Plant Reproductive Biology. 11(1): 38-50. ISSN: 2249-7390
2. **Sourav Singh Deo** and Prashant Pant 2018. Revisiting Mangrove Ecology-Need for Rehabilitation and Management. International Research Journal of Management Science & Technology Vol. 9(4): 411-431. ISSN: 2250-1959
3. **Sourav Singh Deo** and AK Bhatnagar 2008. **Reproductive Biology of *Excoecaria agallocha* L. (Euphorbiaceae)** In: XXXI All India Conference & International Symposium on Plant Biology and Environment: Allahabad, India December 17-19, 2008. Page no. 93.

4. Monika Koul-Moza, **Sourav Singh Deo** and AK Bhatnagar 2007. **Educational and Recreational value of Wetland Ecosystem: An Appraisal**. In: National Conference on “Wetlands, Science and Society – An Assessment of their Integration” New Delhi, December 11-13, 2007. Page no. 147-149.
  5. **Sourav Singh Deo** and AK Bhatnagar 2006. **Safeguarding the Mangroves**. In: National Conference on Biodiversity related International Conventions: Role of Indian Scientific Community. New Delhi, March 8-10, 2006. Page no. 101-104.
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### **RESEARCH PROJECTS**

Conducting minor research project under DBT-star college scheme

1. Seed dormancy in some medicinally/economically important plants: Causes and method to overcome.
  2. To study the physiological role of some plant growth regulators
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### **ADMINISTRATIVE ASSIGNMENTS**

- **Executive Committee Member**, Deshbandhu College Teachers Association for the session 2019-2020, 2020-2021 and 2021-2022.
- **Deshbandhu College Canteen Committee Member** for the session 2020-2021 and 2021-2022
- **President, Delhi University Botanical Society: 2008-2009**

### **Member in**

1. Admission committee since 2012
  2. Cultural committee since 2012
  3. Extended Garden Committee 2019-2022
  4. IQAC Extended Committee
  5. AWP Committee
  6. ECO-CLUB since 2014
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### **ASSOCIATION WITH PROFESSIONAL BODIES**

1. Life Member, Delhi University Botanical Society
  2. Life Member, Society of Plant Reproductive Biologists, Agra
  3. Life Member, Society for Conservation and Resource Development of Medicinal Plants, Delhi.
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### **RESTORATION OF DEGRADED ECOSYSTEM**

- Recently the task assigned to me to restore a degraded ecosystem and developing a **BIODIVERSITY** park in my college was accomplished successfully. The approximate area restored were above **4 acres** within the college campus. The work included converting a wasteland into a self-sustainable biodiversity rich zone. Focus were mainly based on landscape architecture to enhance the aesthetic value keeping in mind the fragile ecosystem balance, introduction of native floras about **65** species and **6500** individuals, enriching micro-climatic conditions and finally the academic curriculum of the students in the College. Simultaneously the task assigned to me to develop the College **ARCHERY GROUND, VOLLEY BALL COURT** and **BOTANICAL GARDEN** having exclusive sections with plants of **MEDICINAL, HORTICULTURAL, ADAPTIVE ECOLOGY, ECONOMIC BOTANY** and **REPRODUCTIVE BIOLOGICAL** importance were also accomplished successfully.

## **PERSONAL DETAILS**

Father's name : **Sh. Dilip Kumar Singh Deo**  
Date of birth : **9<sup>th</sup> Feb. 1981**  
Marital Status : **Married**  
Nationality : **Indian**  
Languages known: **English, Bengali and Hindi**  
Permanent Address: **H-3, Maulana Azad Block, HUDCO, Purulia, West Bengal – 723101**

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## **REFERENCES**

1. Prof. Rajiv Aggarwal  
Principal  
Deshbandhu College  
University of Delhi  
E.mail: [principal@db.du.ac.in](mailto:principal@db.du.ac.in)  
Phone: 9818057270
  2. Prof. A.K.Bhatnagar (Retd.)  
Department of Botany  
University of Delhi  
E.mail: [akbhatnagar49@gmail.com](mailto:akbhatnagar49@gmail.com)  
Phone: 9810376885
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**Declaration:** I hereby declare that above given information are correct and genuine to best of my knowledge.

**Date:**

**Place:** Delhi

**(Dr. SOURAV SINGH DEO)**

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