

CURRICULUM VITAE

Dr. GAURAV KUMAR

Assistant Professor (Sr. Scale)
Dept. of Environmental Studies
PGDAV College, University of Delhi



Email:

gauravk9977@gmail.com
gaurav9977@gmail.com

Permanent & Mailing Address:

Dr. Gaurav Kumar
S/o Mr. Daulat Ram
Vill & Post- Dhoom Manikpur,
Sub Distt.-Dadri,
City- Greater Noida,
Distt.-Gautam Budh Nagar,
Uttar Pradesh – 203208

Current Residential Address:

Dr. Gaurav Kumar
TF-2, Building Block-H,
Ratan Krishna Garden Apartment,
Mahindra Enclave, I-Block,
Shastri Nagar, Ghaziabad,
Uttar Pradesh- 201002
Mob. +91-7053161201

Antecedents:

Father : Sh. Daulat Ram
D.O.B. : 13/03/1984
Sex : Male.
Nationality : Indian.

Languages Known:

English, Hindi

Assets:

Dynamic analytical and instrumentation skills.
Effective Communication skill and leadership qualities.
Highly motivated to work as a team

Objective

To work in a challenging environment where there is an opportunity to gain knowledge, share and use it for the growth of the organization.

Education

- Ph. D in Botany from University of Delhi, Delhi.

Other Qualifications

- **CSIR-UGC NET-JRF (Life Sciences) June 2013.**
- **UGC NET (Environmental Sciences) December 2012 & June 2013.**
- **ICAR-NET (Basic Plant Science) 2010.**
- **GATE (Life Sciences) 2007.**
- **CSIR-UGC NET (Life Sciences) June 2006.**

Awards & Achievements

- **Awarded by KEEIADCON.22**
- **Awarded CSIR-SRF (Direct Interview)**
- **1st Rank in High School at college level.**
- **Center Topper in G.K. competition conducted by R.R.M.I. (Jaipur).**

Teaching Experience

- Working as Assistant Professor (Senior Scale) at PGDAV College Since March 5, 2016.
- Worked as Assistant Professor at Shivaji College from 06/01/2015 to 04/03/2016.
- Worked as Assistant Professor at Acharya Narendra Dev College from 25/9/2014 to 19/12/2014.
- Teaching Experience at M.B.P.G. College Dadri during 2006-2007.

Research Experience

- Worked at various capacities such as JRF/SRF/ Project Investigator, Environmentalist and Marine Scientist

Technical Knowledge

- MS Office, SPSS, SRM & Internet Proficiency.

ACADEMIC QUALIFICATIONS

| DEGREE | SCHOOL/COLLEGE | PASSING YEAR | UNIVERSITY | DIV. |
|-------------------------------|---|--------------|-----------------------------|-------|
| Ph.D (Botany) | Department of Botany University of Delhi | 2016 | Delhi University Delhi | ----- |
| M.Phil. (Botany) | Department of Botany University of Delhi | 2008 | Delhi University Delhi | Ist |
| M.Sc. (Botany) | M.M.H. College Ghaziabad | 2006 | C.C.S. University Meerut | Ist |
| B.Sc. (Bio.) | M.B.P.G. College Dadri | 2004 | C.C.S. University Meerut | Ist |
| 12 th (Science) | M.B. Inter College Dadri | 2001 | U.P. Board Allahabad | Ist |
| High School | M.B. Inter College Dadri | 1999 | U.P. Board Allahabad | Ist |

Research publications

1. Heikrujam, Monika, Akanksha Vashishtha, Tansukh Barupal, **Gaurav Kumar**, Siva P. K. Chetri, Mukesh Meena, Tripta Jain and Kuldeep Sharma (2022). Photoperiod. In: Vonk, J., Shackelford, T.K. (eds) **Encyclopedia of Animal Cognition and Behavior**. Springer, Cham. **International Publishing, 2022**. https://doi.org/10.1007/978-3-319-55065-7_374.
2. Chetri SPK, Rahman Z, Thomas L, Lal R, Gour T, Agarwal LK, Vashishtha A, Kumar S, **Gaurav Kumar**, Kumar R, Sharma K. (2022). **Paradigms of actinorhizal symbiosis under the regime of global climatic changes: New insights and perspectives**. J Basic Microbiol. 62(7):764-778. doi: 10.1002/jobm.202200043. **Impact Factor 2.28**; PMID: 35638879.
3. Talwar S., Mondal N., **Gaurav Kumar**, Mathur P and Bhardwaj S. (2022). Antifungal activity of clove, neem and peppermint oils against *Fusarium graminearum*. Res. Jr. Agril. Sci. 13(4): 962-965. ISSN 0976-1675 (P); 2249-4538 (E).
4. **Gaurav Kumar**, Akanksha Vashishtha, Tansukh Barupal, Siva P. K. Chetri, Monika Heikrujam, Mukesh Meena, Tripta Jain, and Kuldeep Sharma (2020). "**Herbivore**." In *Encyclopedia of Animal Cognition and Behavior*, 1–6. Cham: **Springer International Publishing, 2020**. http://dx.doi.org/10.1007/978-3-319-47829-6_854-1.
5. Vashishtha A, Barupal T, Chetri SPK, **Gaurav Kumar**, Chittora D, Meena M, Jain T, and Sharma K. (2020). "**Tapetum**." In *Encyclopedia of Animal Cognition and Behavior*, Cham: **Springer International Publishing, 2020**. http://dx.doi.org/10.1007/978-3-319-47829-6_616-1.

6. **Gaurav Kumar** and Dinabandhu Sahoo (2011). **Effect of seaweed liquid extract on growth and yield of *Triticum aestivum* var. Pusa Gold.** J. Appl. Phycol. 23:251–255. **Impact Factor 3.2**; ISSN: 0921-8971 (print version) ISSN: 1573-5176 (electronic version).
7. Savindra Kumar, Rishi Gupta, **Gaurav Kumar**, Dinabandhu Sahoo and Ramesh Chander Kuhad (2013). **Bioethanol production from *Gracilaria verrucosa*, a red alga, in a biorefinery approach.** Bioresource Technology 135:150–156. **Impact Factor 11.88**; ISSN: 0960-8524.
8. Rajesh Kumar, Rakesh Kumar, **Gaurav Kumar**, Suruchi Tyagi and A.K. Goyal (2014). **Impact of supplemental UV-B radiation on flower and pod formation in Chickpea (*Cicer arietinum* L.).** Journal of Plant Development Sciences 6: 223-228. ISSN: 0974-6382.
9. Rajesh Kumar, Rakesh Kumar, **Gaurav Kumar**, Suruchi Tyagi and A.K. Goyal (2014). **Effects of supplemental UV-B radiation on flower and pod formation in soybean (*Glycine max* L.) crop.** Vegetos 27 (2): 343-348. ISSN: 0970-4078.

Paper in Conference Proceedings/Training Manuals

1. **Bioremediation through Algae: A green technology** (2016). **Gaurav Kumar** and Pooja Baweja. Proceedings of the National Seminar on Water and air quality in urban ecosystem, New Delhi, March 22, 2016, page- 29-35. ISBN: 978-93-5267-493-0.
2. **Separation of photosynthetic pigments by thin layer chromatography** (2015). Seema Talwar and **Gaurav Kumar**. In Training Manual of Inspire Science Camp, Organized by Shivaji College, University of Delhi, Delhi and Sponsored by Department of Science and Technology, DST, Govt. of India, on December 19-23, 2015, page 34-36.

Book Published/Edited

1. Singh P., Singh S., **Gaurav Kumar** and Baweja, P. 2021 **Energy, Challenges, Crisis and Solutions.** WILEY, Blackwell, UK. ISBN13: 978-1-119-74144-2. Pages 352.

Book Chapters in Edited Book

1. Lebin T., Zeeshan R., Sharma K., Nagar D., Vashishtha A., **Gaurav Kumar** and Chetri SPK (2021). **In vitro biosynthesis of natural products in plant roots.** In: Mukherjee, S., Baluška, F. (eds) Rhizobiology: Molecular Physiology of Plant Roots. Signaling and Communication in Plants. Springer, Cham. pp 475–495. https://doi.org/10.1007/978-3-030-84985-6_24
2. **Gaurav Kumar**, Pardeep Singh, Amar Singh Kashhyap and Pooja Baweja (2021). **Water Pollution: Causes, Impact, Solutions and Treatment Technologies.** In India 2020: Environmental Challenges, Policies and Green Technology (eds. Kumar S., Hooda L.,

- Sonwani S., Devender, and Wattal, R.). Imperial Publication, India. ISBN: 978-81-932621-1-5.
3. Baweja, P. and **Gaurav Kumar** (2021). **Abiotic Stress in Plants: An Overview**. In: Plant Stress Biology (eds. Giri B., .Sharma, MP). Springer Singapore. pp 1-15. DOI <https://doi.org/10.1007/978-981-15-9380-2> ISBN: 978-981-15-9379-6 (print) and 978-981-15-9380-2 (online).
 4. Baweja P., Kumar S., **Gaurav Kumar** (2020). **Fertilizers and Pesticides: Their impact on soil health and environment**. In India 2020: Environmental Challenges, Policies and Green Technology (eds.Kumar S., Hooda L., Sonwani S., Devender, and Wattal R.). Imperial Publications, India. ISBN: 978-81-932621-1-5.
 5. Pooja Baweja, Savindra Kumar and **Gaurav Kumar**. (2019). **Organic Fertilizer from Algae: A Novel Approach Towards Sustainable Agriculture**. In Biofertilizers for sustainable agriculture and environment. ISBN: 978-3-030-18932-7, DOI: 10.1007/978-3-030-18933-4.
 6. Bhadouria, R., Singh, R., Singh, V.K., Borthakur, A., Ahamad, A. **Gaurav Kumar** and Singh, P. (2019). **Agriculture in the era of climate change: consequences and effects**. In Climate Change and Agricultural Ecosystems. ISBN: 978-0-12-816483, DOI: 10.1016/B978-0-12-816483-9.00001-3.
 7. **Gaurav Kumar** and Pooja Baweja. 2018. **Biofertilizer: A tool for sustainable agriculture in changing environment**. In: Introduction to challenges and strategies to improve crop productivity in changing environment (eds. Ansari M.W., Kumar, S., Kaula, B.C., Wattal, R.K.). Enriched publication Pvt. Ltd., New Delhi. 111-125. ISBN: 978-81-934634-9-9.
 8. Pooja Baweja and **Gaurav Kumar**. 2018. **Algal fuels: A green alternative to combat climate change**. In: Introduction to challenges and strategies to improve crop productivity in changing environment (eds. Ansari M.W., Kumar, S., Kaula, B.C., Wattal, R.K.). Enriched publication Pvt. Ltd., New Delhi. 111-125. ISBN: 978-81-934634-9-9.
 9. **Gaurav Kumar** and Pooja Baweja. 2018. **Dr. Ambedkar's contribution in water resource management in India**. In: Dr. B.R. Ambedkar's Idea of India (eds. Kumar, S., Sayeed, M.T.). Book Age Publications, New Delhi. 389 – 394.
 10. Pooja Baweja and **Gaurav Kumar**. 2017. **Prospective of algal bioactive compounds in nutraceutical and pharmaceutical industry**. In Scope of Phytochemically Unexplored Medicinal Plants (eds. Kumar, S, Wattal, R.K) ISBN number 978-1-63535-013-5.
 11. Pooja Baweja and **Gaurav Kumar**. 2016. **Make In India Initiative: A Boon for Biotechnology Sector**. In “MAKE IN INDIA: POLICIES, ISSUES AND CHALLENGES”. (eds. Kumar, S., Beg, M.A., Sayeed, M. T.). Bharti Publications, New Delhi. 103 – 111pp. ISBN: 978-81-933172-6-6.
 12. **Gaurav Kumar**, Pooja Baweja and Dinabandhu Sahoo (2012). **Seaweeds: A Potential Source of Biofertilizer** (2012). Algal Biotechnology and Environment. Page 43-52. I.K. International Publishing House Pvt. Ltd. New Delhi; ISBN-10:9381141711.

Abstracts Published in Conferences/ Conclave/Seminars/Symposiums

- Participated and published an Abstract in National conference on Pharmacognosy scope of phytochemically unexplored medicinal plants entitled “**Algae a potential bioresource for nutraceuticals and pharmaceutical industry**”. Pooja Baweja and, **Gaurav Kumar**. Organized by Department of Botany, Zakir Husain Delhi College, University of Delhi, held at New Delhi on January 12, 2017 page- 33.
- Participated and published an Abstract in National conference on Pharmacognosy scope of phytochemically unexplored medicinal plants entitled “**Pharmaceutical applications of nanoparticles: A green technology**”. **Gaurav Kumar** and Pooja Baweja. Organized by Department of Botany, Zakir Husain Delhi College, University of Delhi, held at New Delhi on January 12, 2017 page- 48.
- Participated and published an Abstract in Innovation Conclave-2016 Nurturing Research at the UG level entitled “**Antifungal activity of some essential oils against *Fusarium graminearum***”. Seema Talwar, Nupur Mondal, **Gaurav Kumar**, Himani, Vaishnavi, Sujata Bhardwaj. Organized by Acharya Narendra Dev College, University of Delhi, (under the aegis of ANDC silver jubilee celebrations RAJATOTSAV) held at New Delhi on October 25-26, 2016 page 46.
- Participated and published an Abstract in National conference on Environmental concerns of 21st Century: Indian and Global context entitled “**Climate change and its consequences: A curse for sustainable development**”. **Gaurav Kumar** and Richa Agarwal. Organized by Department of Environmental Studies, Zakir Husain Delhi College (Evening), University of Delhi, held at New Delhi on March 21-22, 2016 page- 63.
- Participated and published an Abstract in National seminar on Water and air quality in urban ecosystem entitled “**Bioremediation through Algae: A green technology**”. **Gaurav Kumar** and Pooja Baweja. Organized by Shivaji College, University of Delhi, held at New Delhi on March 22, 2016 page- 67.
- Participated and published an Abstract in National seminar on Water and air quality in urban ecosystem entitled “**Arsenic removal strategies in Indian subcontinent: Possible treatments for drinking water**”. Richa Agarwal, **Gaurav Kumar** and Pardeep Singh. Organized by Shivaji College, University of Delhi, held at New Delhi on March 22, 2016 page- 70.
- Participated and published an Abstract in National seminar on Water and air quality in urban ecosystem entitled “**Photocatalytic degradation of phenolic compound in waste water: Using TiO₂ as catalysts**”. Pardeep Singh, **Gaurav Kumar** and Richa Agarwal. Organized by Shivaji College, University of Delhi, held at New Delhi on March 22, 2016 page- 71.
- Participated and published an Abstract in National seminar on Emerging economics and challenges to sustainability towards developing nations entitled “**Conserving Biodiversity in Sanjay van: The Mehrauli ridge of Delhi**”. Richa Agarwal and **Gaurav Kumar**. Organized by Sri Aurobindo College, University of Delhi, held at Delhi on March 29-30, 2016 page- 75.
- Participated and published an Abstract in National symposium on Lifestyle Disorders understanding the molecular mechanisms entitled “**Impact of junk food**”. Seema Talwar, **Gaurav Kumar** and Prabhavathi V. Organized by Department of Biochemistry, Shivaji College, University of Delhi, held at New Delhi on January 28-29, 2016 page- 28.

- Participated and published an Abstract in National symposium on Lifestyle Disorders understanding the molecular mechanisms entitled **“Lifestyle diseases and their prevention through Ayurveda and Yoga”**. **Gaurav Kumar**, Seema Talwar and Pratima Rani Sardar. Organized by Department of Biochemistry, Shivaji College, University of Delhi, held at New Delhi on January 28-29, 2016 page- 41.
- Participated and published an Abstract in International Algal Summit “Algae for sustainable development” entitled **“Biofertilizer Production from Seaweeds”**. **Gaurav Kumar** and Dinabandhu Sahoo. Jointly organized by Department of Botany, University of Delhi, and TERI University, New Delhi. Held at TERI University, New Delhi on February 21-22, 2012 page- 41.
- Participated and published an Abstract in International conference on “7th Asia-Pacific Conference on Algal Biotechnology” entitled **“Effect of seaweed liquid extract on growth and yield of *Triticum aestivum* var. Pusa Gold”**. **Gaurav Kumar** and Dinabandhu Sahoo. Jointly organized by Department of Botany, University of Delhi, and Indian Phycological Society, New Delhi. Held at University of Delhi, Delhi on December 1-4, 2009 page 114.
- Participated and published an Abstract in International conference on “7th Asia-Pacific Conference on Algal Biotechnology” entitled **“Impact of Seaweeds cultivation on marine environment”**. Nitin Pipralia, **Gaurav Kumar** and Dinabandhu Sahoo. Jointly organized by Department of Botany, University of Delhi, and Indian Phycological Society, New Delhi. Held at University of Delhi, Delhi on December 1-4, 2009 page 76.

Organized Conferences/Seminars as Convener

| S.N | Event Category | Event Name | Event Date | Speaker | Speaker Designation |
|-----|-------------------------------|---|---------------|---------------------------|--|
| 1. | National Seminar | EARTH DAY | April 22 2021 | Dr. Binota Thokchom | DST- inspire Faculty, Department of Forestry and environmental science, Manipur University Canchipur, Manipur |
| 2. | One-Day International Seminar | INTERNATIONAL DAY FOR BIOLOGICAL DIVERSITY | May 22 2021 | Prof. Dinabandhu Sahoo | Ph.d., D.Sc(Honoris Causa) FNASc,FNAAs,FBRS,FISEES Professor, Dept. of Botany, University of Delhi, Director, Centre for Himalayan Studies, University of delhi, Director a, cluster Innovation Center, University of Delhi. |
| | | | | | Scientific Advisor to Hon'ble Chief Minister of Meghalaya, Former Vice-chancellor, FM university, Odisha, Former Director, Institute of Bioresources and sustainable Development (IBSD) DBT, Govt. of india at |
| | | | | | Manipur, Meghalaya, Mizoram and Sikkim. Adjunct professor, Rajiv Gandhi Centre for Biotechnology (Thiruvananthapuram, Kerala). Adjunct Professor, institute of life sciences, Bhubaneswar, Odisha. |
| | | | | Dr. Ram Karan | Research Scientist, king Abdullah University of science and Technology (KAUST), Kingdom of Saudi arabia. ASM international fellow for Asia, University of Maryland, USA. |
| | | | | IFS Ankit Kumar | Indian Forest Service(IFS) |
| 3. | One-Day International Seminar | WORLD ENVIRONMENTAL DAY | June 5 2021 | Prof. Radhey Shyam Sharma | Department of Environmental studies, University of delhi, India |
| | | | | Ms. Anali Bustos | PHD, University of Buenos Aries, Argentina |
| 4. | One-Day | VAN | July 7, | Mr. Sahiram | Assistant director, Horticulture, Delhi Development |

| | | | | | |
|-----|----------------------------------|---|--------------------|-------------------------|--|
| | National Seminar | MAHOTSAV | 2021 | Bishnoi | Authority. |
| 5. | Two-Day International Conference | LIVING WITH ECOLOGICAL PROSPERITY : LIFE STYLE, ECONOMY AND SUSTAINABILITY | 10 July, 2021 | Dr. Ram Karan | Research Scientist, King Abdullah University of Science and Technology (KAUST), Kingdom of Saudi Arabia. ASM international fellow for Asia, University of Maryland, USA. |
| | | | 11 July, 2021 | Prof. D.S. Rajput | Ex. HOD, Department of Sociology, Dr. H.S. Gour University, Sagar, M.P., India |
| | | | | Prof. Tanu Jindal | Group Additional Pro VC (R and D), Director- AIETSM, Amity University, Noida, U.P., India |
| | | | | Dr. Karan Singh | Research Scientist, NYUG School of Medicine, Department of Cell Biology, New York, USA |
| 6. | One-Day National Seminar | INTERNATIONAL DAY FOR PRESERVATION OF OZONE LAYER | 16 September, 2021 | Dr. Ram Pravesh Kumar | Assistant Professor, School of Environmental Studies, Jawaharlal Nehru College, New Delhi |
| 7. | Seminar | NATIONAL POLLUTION CONTROL DAY | 2 December, 2021 | Dr. Priyanka Verma | Assistant Professor, Department of Botany, Kalindi College, University of Delhi |
| 8. | One-Day National Seminar | NATIONAL ENERGY CONSERVATION DAY | 14 December, 2021 | Dr. Savindra Kumar | Assistant Professor, Department of Botany, Zakir Hussain College, University of Delhi |
| 9. | One-Day National Seminar | NATIONAL BIRD DAY | 5 January, 2022 | Dr. Vijay Vishwas | Principal Researcher, KEEIAD |
| 10. | One-Day National Workshop | NADI KO JANO | 28 January, 2022 | Dr. Dilip Kumar | HOD, Journalism and Mass Communication GGSIPU, Prachar Pramukh Bharatiya Shikshan Mandal, Delhi Prant. |
| | | | | Prof. Kashyap Dubey | School of Biotechnology, JNU |
| 11. | One-Day National Seminar | WORLD WETLANDS DAY | 2 February, 2022 | Dr. Juhie Agarwal | Assistant Professor Department of Zoology, Vardhman College, Bijnor, U.P. |
| | | | | Dr. Taruna Singh | Director Kota Expert and Executive Researcher, KEEIAD |
| 12. | One-Day National Seminar | WORLD WILDLIFE DAY | 3 March, 2022 | Dr. Vijay Vishwas | Principal Researcher, KEEIAD |
| 13. | One-Day National Seminar | WORLD WATER DAY | 22 March, 2022 | Dr. Arif Ahmad | Assistant Professor, Department of EVS, Daulat Ram College, University of Delhi. |
| | | | | Dr. Sanchayita Rajkhowa | Assistant Professor, Department of Chemistry, Assam Royal Global University, Guwahati, Assam. |

| | | | | | |
|-----|--|---|--------------|----------------------|---|
| 14. | One-Day National Seminar | INTERNATIONAL DAY FOR BIOLOGICAL DIVERSITY | May 22 2022 | TK Roy | Renowned Environmentalist and Delhi State Coordinator of Asian Water Bird Census. |
| 15. | One-day international seminar (virtual mode) | WORLD ENVIRONMENTAL DAY | 5 June, 2022 | Dr. Anwesh Borthakur | Research fellow at Katholieke Universitet Leuven(KU Leuven), Belgium |

Lectures/Talks delivered as invited speaker/resource person

1. Delivered a lecture as guest speaker in one day National webinar "New Normal's in Society" to celebrate No Waste Water Day, organized by Rajkiya Snatkottar Vahavidyalaya, Ratangarh, Rajasthan, India, on 05 th July, 2021.
2. Delivered a Keynote lecture in one day National webinar "Impacts of COVID-19 Pandemic on the Environment, Society and Culture: Our role in present scenario" organized by the Department of Chemistry, Pt. J.L.N. College, Banda, U.P. India, on 25th September, 2020.
3. Delivered a lecture as main speaker in the seminar "Global Climate Change" conducted by Adhunik Vidya of Shri Lal Bahadur Shastri Rastriya Sanskrit Vidyapeeth, Deemed University, Qutab Institutional Area, New Delhi, India, on February 19, 2020.

Organising Member in Conferences/Seminars/Workshops/Training Programmes

1. Participated in Organising One Day Workshop "**Ankuran on Development of Herbal Garden**". Organized by Eco Club Shivaji College, University of Delhi held at Shivaji College, New Delhi on January 29, 2015.
2. Actively Participated in Organising the **International Algal Summit "Algae for sustainable development"**. Jointly organized by Department of Botany, University of Delhi, and The Energy and Research Institute (TERI), New Delhi. Held at TERI University, New Delhi on February 21-22, 2012.
3. Actively Participated in Organising the International conference on "**7th Asia-Pacific Conference on Algal Biotechnology**" Jointly organized by Department of Botany, University of Delhi, and Indian Phycological Society, New Delhi held at University of Delhi, December 1-4, 2009.

Learning Projects/Training Courses

1. Actively Participated in Learning Project entitled "**GYANODAYA-V Dharohar: The Glory of the North East**". Travelled on Gayanodaya Express-V as AND College Mentor to the Northeastern States for an experiential learning project. Organized by University of Delhi from December 18-29, 2014.
2. Attended a Training Course on "**Basic Computer Concepts, MS-Word, MS-Power Point, Internet & Email**". Conducted by Delhi University Computer Centre, University of Delhi, from October 10-21, 2011.
3. Attended a Training Course on "**SPSS-(Statistical Package for Social Sciences)**". Conducted by Delhi University Computer Centre, University of Delhi, from September 19-23, 2011.

Conferences/Conclave/Seminars/Symposiums/Workshops- Participated/Attended

1. Participated in National conference on **Pharmacognosy scope of phytochemically unexplored medicinal plants**. Organized by Department of Botany, Zakir Husain Delhi College, University of Delhi, held at New Delhi on January 12, 2017.
2. Participated in **Innovation Conclave-2016** Nurturing Research at the UG level. Organized by Acharya Narendra Dev College, University of Delhi, (under the aegis of ANDC silver jubilee celebrations RAJATOTSAV) held at New Delhi on October 25-26, 2016.
3. Participated in National conference on **Environmental concerns of 21st Century: Indian and Global context**. Organized by Department of Environmental Studies, Zakir Husain Delhi College (Evening), University of Delhi, held at New Delhi on March 21-22, 2016.
4. Participated in National seminar on **Water and air quality in urban ecosystem**. Organized by Eco Club, Shivaji College, University of Delhi, held at New Delhi on March 22, 2016.
5. Participated in National seminar on **Emerging economics and challenges to sustainability towards developing nations**. Organized by Sri Aurobindo College, University of Delhi held at New Delhi on March 29-30, 2016.
6. Participated in National symposium on **Lifestyle Disorders understanding the molecular mechanisms**. Organized by Department of Biochemistry, Shivaji College, University of Delhi, held at New Delhi on January 28-29, 2016.
7. Participated in the “**1st Himalayan Conclave-2015**”. Organized by Institute of Bioresources and Sustainable Development (IBSD) Imphal, Manipur, held at New Delhi, India, on September 9-10, 2015.
8. Participated in the workshop on “**Research Metrics**”. Organized by Delhi University Library System University of Delhi, Delhi held at University of Delhi, New Delhi, on February 26, 2015.
9. Participated in an International conference on “**Integrating Medicinal Plants with Forestry Sector**”. Organized by National Medicinal Plants Board, Department of AYUSH, Ministry of Health & Family Welfare, Govt. of India, held at Pragati Maidan New Delhi on November 8-9, 2014.
10. Attended a workshop on “**Author Workshop**”. Conducted by Elsevier in association with University of Delhi. Held at University of Delhi, New Delhi, on September 22, 2014.
11. Attended a workshop on “**Publishing Connect**”. Conducted by Elsevier in association with University of Delhi. Held at University of Delhi, New Delhi, on September 11, 2013.
12. Participated in workshop on “**Information Literacy & Competency**”. Organized by Delhi University Library System University of Delhi, Delhi held at University of Delhi, New Delhi, on January 17, 2013.
13. Participated in National Workshop on **Marine Algae Cultivation and Utilization “Employment Potential and Business opportunities in Coastal states and Union Territories of India”** Sponsored by: Science and Society Division, Department of Science & Technology, Govt. of India, New Delhi. Organized by Marine Biotechnology Laboratory, Department of Botany, University of Delhi held at Bhubaneswar, Odisha, India on February 27-28, 2012.
14. Participated in Training Programme on **Large Scale Seaweeds (*Sargassum* &**

- Kappaphycus*) Cultivation and Processing for Livelihood Generation in Coastal States and Union Territories of India.** Sponsored by: Science for Equity, Empowerment and Development Division (SEED) Department of Science & Technology, Govt. of India, New Delhi. Organized by Marine Biotechnology Laboratory, Department of Botany, University of Delhi Held at Mandapam, Tamil Nadu, India on July 15-17, 2011.
15. Attended an International conference on “**CARBON BAZAAR 2011**”. Organized by Ministry of Environment and Forest (MoEF), Govt. of India and German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) held at The Lalit, Barakhamba Avenue, New Delhi on May 12-13, 2011.
 16. Participated in an International symposium on “**INDO-SWISS COLLABORATION IN BIOTECHNOLOGY (ISCB)**”. Organized by Department of Biotechnology (DBT), Govt. of India and Swiss Agency for Development and Cooperation (SDC) held at Symposium Hall, NASC Complex New Delhi on March 10-11, 2011.
 17. Participated in a workshop on “**Information Literacy & Competency**”. Organized by Delhi University Library System, University of Delhi, Delhi held at University of Delhi, New Delhi on February 23, 2010.
 18. Participated in second training programme on large scale seaweeds cultivation and processing for livelihood generation in coastal states and union territories of India, entitled “**First National workshop and training programme on *Porphyra* cultivation and processing in India**” held at Shrivardhan, Konkan Coast Maharashtra. Sponsored by Science for Equity, Empowerment and Development Division (SEED), DST, Govt. of India and conducted by Department of Botany, University of Delhi on August 8-10, 2009.
 19. Participated in first training programme on large scale seaweeds cultivation and processing for livelihood generation in coastal states and union territories of India, entitled “**First training program cum workshop on cultivation of *Gracilaria* species**” held at Chilika Lake, Orissa. Sponsored by Department of Science and Technology (DST), Govt. of India and conducted by Department of Botany, University of Delhi on January 5-7, 2009.
 20. Attended an International conference and exhibition on the water industry “**9th WATER ASIA 2008**”, held at Pragati Maidan exhibition centre, New Delhi, India on December 10-12, 2008.
 21. Participated in National seminar on “**Higher Education: Vision- 2015**”, held at Government Post Graduate College, I-1, Sector-39, Noida, Gautam Budh Nagar, Uttar Pradesh on February 17, 2008.
 22. Participated in National seminar on “**Intellectual Property Rights: Perspectives of the Developing Nations**”, held at Government Post Graduate College, I-1, Sector-39, Noida, Gautam Budh Nagar, Uttar Pradesh on October 28, 2007.

Membership of Learned Bodies

1. Life member of Indian Phycological Society (IPS), New Delhi, India
2. Life member of Young Social Scientists Association of India (YSSAI).
3. Member of Delhi University of Botanical Society (DUBS), New Delhi, India.

REFERENCES

1. Prof. Dinabandhu Sahoo, **Sr. Professor**, Dept. of Botany, University of Delhi, Delhi, India
Director, Centre for Himalayan Studies, University of Delhi, Delhi, India.
Former VC FM University, Odisha, India
2. Dr. Ishwar Singh, Associate Professor, Dept. of Botany, Hansraj College, University of Delhi, Delhi, India.
3. Dr. Pooja Baweja, Associate Professor, Dept. of Botany, Maitreyi College, University of Delhi, Delhi, India.

Declaration

I hereby stating that all the details furnished above are true to the best of my knowledge.

Date...04/09/22...

Place...Delhi..

Gaurav Kumar
(Dr. Gaurav Kumar)