

The following is the list of publications by the Botany Faculty members:

1. Prof. Nidhi Gautam:

1. Kapoor, A., Mahor, R., Vaishampayan, N. and **Gautam, N. 1981.** "Antifungal spectrum of some petal extracts." *Geobios* (0215-1223) 8: 66-67.
2. **Gautam, N.** and Sharma, Y.N. **1981.** "Epidermal studies in the genus *Chloris* (Gramineae)." *Geobios* (0215-1223) 8: 127-128.
3. **Gautam, N.** and Sharma, Y.N. **1982.** "Studies on the leaf epidermis in Andropogoneae (Poaceae)." *Geobios New Report* (0253-3340) 1: 174-176.
4. **Gautam, N.** and Sharma, Y.N. **1985.** "Studies on the palatability of some of the grasses of Greater Gwalior". *J.Ind.Bot.Soc.* (0019-4468) 64: 297-298. IF - 0.1
5. Vijayaraghavan, M.R., **Gautam, N.** and Bhatt, U. **1988.** "Histones and nucleic acids during seed development and germination in *Linum usitatissimum*". *Cytologia* (0011-4545) 53: 115-122. IF - 0.76.
6. Vijayaraghavan, M.R. and **Gautam, N.** 1989. "Sporogenesis in *Botrychium virginianum* (L.) Sw." *Proc.Ind. Nat.Sci.Acad.B* (0730-0046) 55:271-276. IF – 0.57.
7. Vijayaraghavan, M.R., Sudesh and **Gautam, N.** 1990. "Ontogeny and histochemistry of the zygotic transfer cell in *Acrotrema arnotianum*". *Cytologia* (0011-4545) 55: 321-326. IF – 0.76.
8. **Gautam, N.,** Sudesh and Vijayaraghavan, M.R. 1991. "Aggregation of pollen grains in *Melilotus indica* (Papilionoideae)". *Proc.Ind. Nat.Sci.Acad.B* (0730-0046) 57: 413-416. IF – 0.57.
9. **Gautam, N.** and Sharma, Y.N. **1991.** "Leaf epidermal studies in Poaceae-Long cells and silica bodies". *Geobios New Report* (0253-3340) 10 pp: 3-7.

10. **Gautam, N. 1997.** "Biotechnology in human life". Proceedings of 4 th Annual Symposium on Biotechnology and Human Society, IWSA, Delhi. (ISBN: 81-7525-039-9) pp: 83-85.
11. Sudesh and **Gautam, N. 1998.** "Behaviour of abnormal tapetum and microspores in *Psophocarpus tetragonolobus* (L.) D.C." In Plant Form and Function. Bhatia *et.al.* (Eds) Angkor Publication Pvt. Ltd. Delhi. (ISBN: 81-85992-05-3) pp: 255-260.
12. Gautam, V. K. and **Gautam, N. 2002.** "Role of biotechnology in controlling environmental pollution" in Proceedings of Seminar on "Environment pollution and public health" organized by Deen Dayal Upadhyaya College, Univ. of Delhi. pp: 97-100.
13. **Gautam, N. 2006.** "Studies on ovarian trichomes in *Melilotus indica* (L.) All". Phytomorphology (0031-9449) 56: 107-112. IF - 0.62.
14. **Gautam, N. 2007.** "Leaf epidermal diversity in grasses and its taxonomic significance in Biodiversity, Conservation and Systematics." Prithipal Singh (Eds) Scientific Publishers, India, Jodhpur: 171-181. (ISBN: 81-7233-464-8).
15. **Gautam, N.** and Gautam, V.K. **2014.** Margosa tree Germplasm conservation through anther-derived organogenic callus masses. Research & Reviews in Biotechnology and Biosciences. 1(2): 17-23. (ISSN: 2321-8681).
16. **Gautam, N.** and Gautam, V.K. **2015.** Morphology and Development of Hard Seed Coat in *Melilotus indicus* (L.) All. International Journal of Bioresource Science. Citation: IJBS: 2(2): 27-31. (Print ISSN: 2347-9655, Online ISSN: 2454-9541).
17. **Gautam, N.,** Sharma, M. and Gautam, V.K. **2016.** "Air Pollution and Life in Delhi City" in Proceedings of the National Seminar on Water and Air Quality in Urban Ecosystem published by Eco Club Shivaji College, University of Delhi. pp 50-53. (ISBN: 978-93-5267-493-0).
18. **Gautam, N.** and Gautam, V.K. **2016.** Seed abortion in *Melilotus indicus* (L.) All. International Journal of Bioresource Science. 3(2): 101-104, (Print ISSN: 2347-9655 Online ISSN: 2454-9541).

19. Gautam, V.K. and **Gautam, N.** 2017. Successful Hardening of Anther-derived Plants to field and Morphological Variations in Snapdragon. *Research & Reviews in Biotechnology & Biosciences*. 4(2): 73-77. (ISSN: 2321-8681).
20. Sharma, M., Sehrawat, A. and **Gautam, N.** 2017. A chapter on “Role of microbes in pollution control and agriculture” in a book “Environmental concerns of 21st century: India and Global Context, under the theme: Environmental Biotechnology. Volume II. pp 9-16. (ISBN: 978-93-83281-65-7).
21. Gautam, V.K. and **Gautam N.** 2017. Differentiation of Multiple shoots and roots from anther-derived callus masses in *Antirrhinum majus* L. *Intl. J. Bioinformatics and Biological Sci.* 5 (2): 139-142. (E-ISSN-2321-7111).
22. Gautam,N and Gautam V.K. 2017. Vasudhaiva Kutumbakam: An Effective Way of Biodiversity Conservation. *International Journal of Bioresource Science Citation: IJBS*: 4(2): 135-138 (ISSN: 2347-9655, E- ISSN: 2454-9541).
23. **Gautam, N.** and Gautam V.K. 2018. Microsporogenesis in *Melilotus indicus* (L.) All. *Intl. J. Bioinformatics and Biological Sci.*6 (1): 55-59. (E-ISSN: 2321-7111).
24. Sharma, M., Sehrawat, A. and **Gautam, N.** 2018. A Review Paper on “Hindon Once a Lifeline, now a Dead River: A Mini Review” in *Proceedings of National Seminar on “Innovations in science in Emerging Challenges in Health and Environment (NSHE)*. pp 47-51. (ISBN: 9788-1929-8124-6).
25. Sharma, M. and **Gautam, N.** 2018. A Review Paper on “Impact of Microbial Diversity on Environmental Stability” in *Proceedings of ICGC 2016, on “Green Chemistry in Environmental Sustainability and Chemical Education*. Springer. 81-91. (ISBN: 978-981-108-3891).
26. Gautam, V.K. and **Gautam N.** 2020. Micropropagation of *Leucaena leucocephala* from *in vitro* cultured shoot tip explants. *Intl. J. Bioinformatics and Biological Sci.* 11-14. (ISSN: 2319-5169).
27. **Gautam, N.** and Gautam V.K. 2021. Wetlands-Kidneys of the earth: Importance and conservation. *International J. Ecology & Environ. Sci.* 3(2) : 107-111. (E ISSN : 2664-7133, Print ISSN : 2664-7125).

28. Sharma, M., Danda, S. and **Gautam, N. 2023.** Impact of Soil Pollution on Crop Production and Human Health. LIANAS 2022-23. pp 50-55. (ISBN: 978-93-92603-0-1).

2. Prof. Rama Pasricha:

RESEARCH AND ACADEMIC CONTRIBUTIONS

Published Research Papers in UGC listed/Scopus Journals

S. No.	Title of the Paper	Journal Name	Year	Vol No.	Page No.	ISSN No.	Impact Factor	SCOPUS Index	Authorship	Reference UGC CARE
1	Studies on Indian Coprophilous Fungi 1V. Two Interesting members of Mucorales	<i>Nova Hedwigia (Berlin, Stuttgart, Germany)</i>	1987	44	523-3-4	0029-5035	TR 0.92 IF 1.135	Scopus	First Principal	UGC Care 27684
2	Effect of Water Stress on growth and Sporulation of Coprophilous Fungi	<i>Nova Hedwigia (Berlin, Stuttgart, Germany)</i>	1994	59	157-1-2	0029-5035	TR – 0.92 IF 1.135	Scopus	First Principal	UGC List 27684
3	Effect of Sugars on Occurrence of Mucorales	<i>Acta Botanica Indica</i>	1994	22	26-30	0379-508X		UGC 2017 48202	Joint Second	UGC 2017 48202
4	Studies on Growth and Sporulation of <i>Didymium muscorum</i>	<i>Acta Botanica Indica</i>	1985	13	224-227	0379-508x		UGC 2017 48202	Joint/ First	UGC 2017 48202
5	Water Chestnut peel Facilitated biogenic synthesis of Zinc Oxide nanoparticles and their Catalytic Efficacy in the Ring opening reaction of Styrene Oxide	<i>Chemistry Select</i>	2021	06	83158322	ISSN-2365-6549	2.1	UGC Care 6793-21100 85050 5	Joint	UGC Care 6793-21100850 505

RESEARCH AND ACADEMIC CONTRIBUTIONS

Published Research Papers in Referred/Peer-Reviewed or UGC listed/Scopus Journals

S. No.	Title of the Paper	Journal Name	Year	Vol No.	Page No.	ISSN No.	Impact Factor	SCOPUS Index	Authorship	Reference UGC CARE
1	Role of PGPRs in Augmenting Soil Macronutrients	Journal of Agroecology and Natural Resource Management	2017	5(4)	409-411	2394-0786	3.628	-	Single Author	Peer
2	Studies on Indian Coprophilous Fungi 1V. Two Interesting members of Mucorales	Nova Hedwigia (Berlin, Stuttgart, Germany)	1987	44 3-4	523-526	0029-5035	TR 0.92 IF 1.135	Scopus	First Principal	UGC Care 27684
3	Effect of Water Stress on growth and Sporulation of Coprophilous Fungi	Nova Hedwigia (Berlin, Stuttgart, Germany)	1994	59 1-2	157-162	0029-5035	TR – 0.92 IF 1.135	Scopus	First Principal	UGC List 27684
4	Effect of Sugars on Occurrence of Mucorales	Acta Botanica Indica	1994	22	26-30	0379-508X	UGC 2017 48202		Joint Second	UGC 2017 48202
5	Climate Change Triggered Abiotic Stress Mitigation in Crops through Plant Growth Promoting Microbes	Journal of Agricultural Engineering And Food Technology	2017	4(4)	206-208	2350-0263	5.152	Peer	Single Author	Peer
6	Nutritional Requirements of <i>Pilobolus Crystallinus</i>	Journal of Indian Botanical Society	1994	73	365-366	0019-4468	0.877	Peer	JOINT / First	Peer
7	Fungi as active Bio-Decomposers for their potential use in degradation of Agri Waste	International Journal of Basic and Applied Biology	2017	4(5)	250-253	2349-2539	4.633	Peer	Single Author	Peer
8	Notes on Indian Myxomycetes: Three new species and comments on others	Proc. of the K. Ned. Akad. Wet Series C (Netherlands)	1984	87(4)	471-482	0023-3374		Peer	Joint/ Third	Peer
9	Studies on Growth and Sporulation of <i>Didymium muscorum</i>	Acta Botanica Indica	1985	13	224-227	0379-508x		UGC 2017 48202	Joint/ First	UGC 2017 48202
10	Impact of Atmospheric CO ₂ Concentration and Temperature Increase on Crop Production	Journal of Energy Research and Environmental Technology	2017	4(4)	262-265	2394-1561	4.566	Peer	Single	Peer
11	Water Chestnut peel Facilitated biogenic synthesis of Zinc Oxide nanoparticles and their Catalytic Efficacy in the Ring opening reaction of Styrene Oxide	Chemistry Select	2021	06	83158 322	ISSN- 2365- 6549	2.1	UGC	Joint	UGC Care 6793-21100850 505

Chapter in Edited Books

S.No	Title of Edited Book	Title of Chapter	Authorship*	Publisher (with city/country) & Year of Publication	ISBN
1	New Approaches in Microbial Ecology	Ecological Studies on the Cortical Fungi-A Review	Joint	Aditya Books Pvt.Ltd.,New Delhi, India 1997	81-85353-37-9
2	Proceeding of the Fourth Annual Symposium on Biotechnology and Human Society	Screening of Active Fungal Decomposers for Bio-Degradation of Ligno-Cellulosic substrates	Joint	Om Laser Printers New Delhi 1994	81-7525-039-9
3	Advances in Ecology and Environmental Sciences	Taxo-Ecological Studies of Coprophilous Fungi-A Review	Joint	Ashish Publication New Delhi 1995	81-7024-676-8
4	The Botanica, Vol 31	Paradox of the Selfish DNA	Joint	University of Delhi New Delhi, 1987	0045-2629
5	Proceedings of National Conference on Climate Change Impacts, Adaptation, Mitigation Scenario and Future Challenges in Indian Perspective	Climate Change and Plant Biodiversity Loss	Joint	DDU, University of Delhi, 2015	978-93-5235-339-2
6	Proceedings Symposium on Environment & Sustainable Development: New Perspective	Extreme Weather Events and Species Loss	First	Books & Books Unlimited New Delhi, 2019	97881937-46622
7	Lianas 2023	Feeding 10 billion in the Age of Climate Change - A challenge and an opportunity for Botanists,	single author		ISBN - 978-93-92603-05-1

Books Edited as one of two Editor

S.No.	Title of the Book	Editorship *	Level of Publisher (National / International)	Publisher (with city/ country) & Year of Publication	ISBN	Whether Refereed
1	Proceedings of Symposium on Environment and Sustainable Development: New Perspective	Editor	National	Books & Books Unlimited, New Delhi	97881937-46622	Refereed

Paper presentation in Seminars/ Conferences Conference Proceedings

S N o.	Title of Seminar/ Lecture/Paper/ Event	Nature of Programme*	year of prese ntatio n event	Sponsorin g Agency
1	Calanolide A/B-A Wonder Drug For HIV and TB Treatment Gifted by The Vanishing Rain Forests	Students Workshop on Conservation of Medicinal Plants by Micropropagation	28th Oct, 2015	DBT Star College Project
2	Right to Safe Food-Present Law and Future Directions	Skill Development Program for students in Food Adulteration	July 3-14 2017	DRC
3	Convenor, FDP on Industrial and Environmental Microbiology	FDP on Industrial and Environmental Microbiology	19 th -20 th March 2018	DBT Star College Project
4	Air Pollution Tolerant Index (APTI) Assessment in Plants	Botanical Society Magazine LIANA- 2017 -18	2017-18	Daulat Ram College
5	Botanical Society Publication Liana	Botanical Society, Daulat Ram College	1998	DRC
6	Proceeding of Symposium of IWSA	IWSA Symposium on Biotechnology and Human Society	1994	Indian Women Scientists Association.
	PAPER PRESENTED			
7	Assessment of Soil and Plant Samples for Zn and Manganese Toxicity and Their Remediation	National Conference on Environmental Challenges, Human Health and Society	8-10 Sept 2016	University Maharaja College, & ISLS Jaipur

Membership of Learned bodies / Societies:

- Indian Science Congress,
- IMRF-International Multidisciplinary Research Foundation
- INSCR -Indian Network for Soil Contamination Research
- Indian Phycology Society
- Indian Women Scientist Association

3. Prof. Rekha Kathal:

No of Publication: 23; No of award: 3

1. Kathal, R., Bhatnagar, S.P. and Bhojwani, S.S., 1986. Regeneration of shoots from hypocotyl callus of *Cucumis melo* cv. Pusa sharbati. *Journal of plant physiology*, 126(1), pp.59-62.
2. Kathal, R., Bhatnagar, S.P. and Bhojwani, S.S., 1988. Regeneration of plants from leaf explants of *Cucumis melo* cv. Pusa Sharbati. *Plant Cell Reports*, 7, pp.449-451.
3. Kathal, R., Bhatnagar, S.P. and Bhojwani, S.S., 1992. Chromosome variations in the plants regenerated from leaf explants of *Cucumis melo* L. cv. 'Pusa sharbati'. *Caryologia*, 45(1), pp.51-56.
4. Kathal, R., Bhatnagar, S.P. and Bhojwani, S.S., 1994. Plant regeneration from the callus derived from root explants of *Cucumis melo* L. cv. Pusa Sharbati. *Plant Science*, 96(1-2), pp.137-142.
5. Kathal, R., Bhatnagar, S.P. and Bhojwani, S.S., 1992. In vitro regeneration of plants from shoot apices of *Cucumis melo* L. cv. Pusa Sharbati. *Beitr. Biol. Pflanz.*, 67(1): 45-53.
6. Singh, M.N., Kathal, R.E.K.H.A. and Bhatnagar, S.P., 1990. Regeneration of plants from hypocotyl and cotyledon cultures of *Cucumis melo* cv. Pusa Madhuras. *Phytomorphology*, 40(3-4), pp.401-405.
7. Kathal, R., Malhotra, P. and Chaudhary, V., Phytoremediation—A Greener and Sustainable Technology for Controlling Toxicity of Copper in Soil.
8. Malhotra, P., Kathal, R. and Puri, A., 2016. Iron nanoparticles catalyzed degradation of organic dyes in water for environmental remediation. *J. Basic Appl. Eng. Res*, 3, pp.41-43.
9. Kathal, R. and Rawat, P., 2016. Immunity booster herbs and their conservation-a review. In *International conference on public health: issues, challenges, opportunities, prevention, awareness* (pp. 135-40).
10. Preeti rawat and Rekha Kathal, 2016. Medicinal Plants of Indian Himalyan Region-An Elixir of Life Proceeding of International Conference on Public health: Issues, Challenges, Opportunities, Preventions, Awareness (Public Health: 2016) on 16-17, January, 2016, 2, 216-221.

11. Kathal, R., Malhotra, P., Kumar, L. and Uniyal, P.L., 2016. Phytoextraction of Pb and Ni from the polluted soil by Brassica juncea L. *J Environ Anal Toxicol*, 6(394), pp.2161-0525.
12. Kathal, R., Malhotra, P. and Chaudhary, V., 2016. Phytoremediation of cadmium from polluted soil. *J. Bioremediat. Biodegrad*, 7(6), pp.376-378.
13. Kathal, R., Malhotra, P. and Chaudhary, V., Phytoremediation—A Greener and Sustainable Technology for Controlling Toxicity of Copper in Soil.
14. Rekha Kathal, V.C., Kumar, L., Puri, A., Baishya, R. and Uniyal, P.L., 2016. Pollution Status of Yamuna River, India—A national concern. *International Research Journal of Environment Sciences*, 5, pp.1-6.
15. Malhotra, P., Jaina, A. and Kathal, R., 2017. Review on biobased mesoporous material and their application in waste water treatment. *Current Trends in Biomedical Engineering & Biosciences*, 4(2), pp.23-25.
16. Malhotra, P., Kathal, R. and Puri, A., 2016. Iron nanoparticles catalyzed degradation of organic dyes in water for environmental remediation. *J. Basic Appl. Eng. Res*, 3, pp.41-43.
17. Kathal R, (2023), Status of GM Mustard in India. Lainas ISBN– 978-93-92603-05-1, Page 23-26, FA Digital Publications.
18. Kathal R, George S and Kumari K (2023), Micropropations – A Sustainable Approach for Conservation of Medicinal Plants. Lainas ISBN– 978-93-92603-05-1, Page 27-31, FA Digital Publications.
19. Vidhi Chaudhary and Rekha Kathal (2023), Environment: Science, Legislation, Politics and Ethics. Lainas ISBN–978-93-92603-05-1, Page 56-58, FA Digital Publications.
20. Chapters- Immunity booster herbs and their conservations, Conferences Proceedings of International Public Health, issues, challenges, and opportunities and prevention awareness.
21. Chapters- Medicinal plants of Himalayan region- an exilir of life, Conferences Proceedings of International Public Health, issues, challenges, and opportunities and prevention awareness.
22. Chapter – Phytoremediation of heavy metals- A greener and sustainable approach, Conference preceeding symposium on Environment and sustainable development new perspective
23. Liquid organic formulators for sustainable agriculture - Conference preceeding symposium on Environment and sustainable development new perspective

4. Dr. Meenam Bhatia:

Publications- 1. Ethnobotanical uses of plants of Mandakini valley in Rudraprayag, Uttarakhand Pradeep Kumar Bhandari, Meenam Bhatia, and Uniyal PL. Int. J. of Life Sciences, 2022; 10(3):273-281 ISSN:2320-7817.

2. Beta vulgaris mediated bio-inspired copper Nanoparticle and its application as an Antibacterial agent. Darshan Singh, Deepti Rawat, and Meenam Bhatia. Rasayan J.Chem Vol. 15, No. 4 ,2287-2291. October – December 2022 ISSN: 0974-1496.

3. In Vitro spore germination, Gametophyte ontogeny and Sporophyte regeneration in *Platyserium bifurcatum* (Cav.)C.Chr. 2018. Indian Fern Journal.35: 5.ISSN 0970-2741.

4. Meenam Bhatia, Priti, P.L.Uniyal and P.V. Madhusoodanan. 2017. Studies on the Gametophyte Development and Reproductive Behavior of *Achrostichum aureum* L.” The International Journal of Plant Reproductive Biology 9(2):89-92.

5. Book “Introduction to Basic Laboratory Techniques” by Meenam Bhatia and Ritu Garg. 2009.Shree Kala Prakashan,Delhi. ISBN 81-86038-17-5.

6. Book Chapter: In Vitro Gametophyte Development, Reproductive Biology, and Nitric Oxide Signaling in Ferns In *Ferns: Biotechnology, Propagation, Medicinal Uses, and Environmental Regulation*: Springer Nature Singapore Pte Ltd. ISBN 978-981-16-6169-3

7. Meenam Bhatia, Pratibha Kumari and Aradhna Yadav. Exploring the morphogenetic diversity in fern gametophytes and their potential in Plant Science research. In: *Lianas* ISBN 978-93-92603-05-1 Botanical Magazine, Department of Botany, Daulat Ram College, University of Delhi, Delhi. pp. 32-38.

8. Aradhana Yadav, Pratibha Kumari and Meenam Bhatia. In: *Lianas* ISBN 978-93-92603-05-1 Botanical Magazine, Department of Botany, Daulat Ram College, University of Delhi, Delhi. pp. 59-63.

9. Pratibha Kumari, Aradhana Yadav and Meenam Bhatia. In: Lianas ISBN 978-93-92603-05-1 Botanical Magazine, Department of Botany, Daulat Ram College, University of Delhi, Delhi. pp. 64-69.

10. e-content on “Plant anatomy” for Restructured B.Sc. (Programme) under e-content generation project National Mission on Education through ICT of Institute for Life Long Learning, DU.

Awards- Received a SS Bir Medal from the Indian Fern Society in recognition of my outstanding research work in the field of Pteridology at the National Symposium on Advances in Pteridology Research: present status and Future Strategies at Bhopal, MP on 27 th November 2022.

5. Dr. Meenakshi Sharma: No of Publication: 13; No of award: 3

1. Kritee Mehdiratta, Sonam Nain, **Meenakshi Sharma**,....Rakesh **Sharma**, Gokhale RS. Respiratory Quinone Switches from Menaquinone to Polyketide Quinone during the Development Cycle in *Streptomyces* sp. Strain MNU77. “Microbiology Spectrum” ASM. 2022. IF-10.02
2. Vivek Kumar kedia and **Meenakshi Sharma**. “*Pseudomonas* sp. A promising biocontrol agent against selected phytopathogens” Journal of Mountain Research. 2023. IF-1.02
3. Radhey Shyam Sharma...**Meenakshi Sharma**., Sirawung Raiping., Vandana Mishra. Rhizosphere provides a new paradigm on the prevalence of lysogeny in the environment. Soil and Tillage Research. 2019. IF- 8.01
4. Rahul Datta,.. **Meenakshi Sharma**.,Formanek, P. How enzymes are adsorbed on soil solid phase and factors limiting its activity: A Review. International Agrophysics. 2017. IF-3.412
5. **Meenakshi Sharma and Nidhi Gautam**. Impact of Microbial Diversity on Environmental Stability”. Green Chemistry. Springer, 2016
6. **Meenakshi Sharma**, V. Mishra, N. Rau and R.S. Sharma. Increased iron stress resilience of maize through inoculation of siderophore producing *Arthrobacter globiformis* from mine. Journal of Basic Microbiology. 2015. IF-5.01

7. **Meenakshi Sharma**, V. Mishra, N. Rau and R.S. Sharma. Functionally diverse rhizobacteria of *Saccharum munja* (a native wild grass) Colonizing abandoned morrum mine in Aravalli hills (Delhi). Plant and Soil. 2011. IF-5.88
8. **Meenakshi Sharma**, V. P. Singh. Screening of a soil bacterium for biological control of pathogenic fungi. Journal of Plant Development sciences. 2010.
9. N. Rau, V. Mishra, **Meenakshi Sharma**, M. K. Das, K. Ahaluwalia and R. S. Sharma. Evaluation of functional diversity in rhizobacterial taxa of a wild grass (*Saccharum ravennae*) colonizing abandoned fly ash dumps of Delhi urban Ecosystem. Soil biology and Biochemistry. 2009. IF- 9.011
10. **Meenakshi Sharma**, N. Rau, V. Mishra and R. S. Sharma. Unexplored ecological significance of *Saccharum munja*. The International Union for Conservation of Nature (IUCN). 2005. IF-1.5
11. **Meenakshi Sharma**, Rahul Datta, Vivek Kumar Kedia and Martin Brtnicky. Microbial Potential for Carbon Fixation and Stabilization. Springer Nature. 2021. 978-981-33-6764-7
12. Jitka Prichystalova, Jiri Holatko...**Meenakshi Sharma**, Martin Brtnicky. Biochar Role in Soil Carbon Stabilization and Crop Productivity. Springer Nature. 2021. 978-981-33-6764-7
13. Vibha Gulyani Checker and **Meenakshi Sharma**. Molecular Signaling during Insect Plant Interaction. Springer Nature. 2020. 978-981-15-2466-0

Awards:

1. Received Young Scientist Best speaker entitled, ““Microbial factories for Sustainable Biofuel Production and Climate Change” in Environmental, Agricultural, Chemical and Biological Science-ICEACBS2023, Organized by: Department of Biotechnology, Srimad Andavan Art and Science college, Tiruchirappalli, Tamilnadu-India Somnogen Canada Inc, United Nations-SDGS. All India Institute of Training and Education-India held on 13th -14th May, 2023
2. Received the IIIrd prize for the poster presentation, entitled “Role of Biofuel and Traditional Ecological Knowledge in Meeting Energy Needs and Controlling Climate Change” in National conference on “Climate Change: Impacts, Adaptation, Mitigation Scenario and Future Challenges In Indian Perspective” Organized by Department of Botany, Deen Dayal Upadhaya College, University of Delhi. February 20-21, 2015.

3. Received the 1st prize for the paper presentation on “Production of Antifungal Compounds and in Vitro Biocontrol Activity of Bacillus spp.” In: National Conference on Advances in Natural Products Chemistry and Sustainable Development. Graphic Era University, Dehradun Uttarakhand. India, June 04-05, 2011. Pp.159

6. **Dr. Basanta Kumar Das:**

Research Paper Publication: 14, UGC-CARE: Yes All, SCOPUS-SCI-YES All,

Book Chapters:1

Awards: 3

1. Kesawat, M.S., **Das B.K.**, S. K. Dey, and Manorama (2015) Assessment of Genetic Diversity Among Indian Sesame (*Sesamum indicum* L.) Accessions Using RAPD, ISSR and SSR Markers. *Research Journal on Biotechnology*. 10 (7), 35-47.
2. Bhaganagare G.R., M.S. Kesawat, **B.K. Das**, S.M. Shivaraj, B.S. Surwase and Manorama (2013). Assessment of *nifH* gene Diversity in Rhizobial Isolates of Different Origins and the Role of Antioxidants in Respiratory Protection, *Journal of Crop Science and Biotechnology*, 16 (1) : 17~22.
3. Kesawat M. S., **B. K. Das**, G.R. Bhaganagare, and M. Manorama (2012) Genome-wide identification, evolutionary and expression analyses of putative Fe-S biogenesis genes in Rice (*Oryza sativa* L.). *Genome*, 55 (8): 571-583.
4. **Das, B. K.**, Das, J. M., and Keshawat M. S. (2012) Comparison of different washing solutions and contact times on the quality maintenance and microbial reduction of fresh-cut Iceberg lettuce. *Indian Journal of Agricultural Sciences*, 82 (1): 48–54.
5. **Das, B.K.**, Kim, J. G. and Choi J.W. (2011) Efficacy of different washing solutions and contact times on the microbial quality and safety of fresh-cut Paprika. *Food Science and Technology International*, 17(5) 471–479.
6. **Das, B.K.**, Kim, J. G. and Choi, J. W. (2011). Edge Browning and Microbial Quality of Fresh-cut Iceberg Lettuce with Different Sanitizers and Contact times. *Bulgarian Journal of Agricultural Sciences*, 17 (1), 55-62.

7. **Das, B.K.**; Choudhury, B.K. and Kar, M. (2010) Quantitative Estimation of Changes in Biochemical Constituents of Mahua (*Madhuca indica* Syn. *Bassia latifolia*) Flowers During Postharvest Storage. *Journal of Food Processing and Preservation*, 34 (5), 831-844.
8. Kim, J.G.; Nimitkeatkai, H. and **Das, B.K.** (2010). Effect of calcinated calcium washing solution and heat treatment on quality and microbial reduction of fresh-cut lettuce and broccoli. *Acta Horticulturae*, 875: 237-242.
9. **Das, B.K.**, Choudhury, B. K. and Kar, M. (2010) Identification of Abiotic and Biotic Factors Causing Deterioration During Storage and Development of Storage Techniques for Mahua (*Madhuca indica* Syn. *Bassia latifolia*) flowers. *Agriculturae Conspectus Scientificus*, 75 (3) 119-125.
10. **Das, B.K.**, Kim, J. G. and Choi J.W. (2010) Role of different washing solutions and contact times on the microbial quality and food safety of fresh-cut Paprika *Acta Horticulturae*, 875, 283-290.
11. **Das, B.K.** and Kim, J. G. (2010) Combined Effect of Heat treatment and Washing Solutions on the Quality and Microbial Reduction of Fresh-cut Paprika. *Horticulture, Environment and Biotechnology*, 51(4):257-261.
12. **Das, B.K.** and Kim, J, G. (2010) Microbial Quality and Safety of Fresh-cut Broccoli with Different Sanitizers and contact times. *Journal of Microbiology and Biotechnology*, 20 (2), 363–369.
13. Kesawat, M.S., **Das B.K.**, G.R. Bhaganagare, S. Vinay and Manorama (2009) Isolation and Characterization of Lipopolysaccharides from different Rhizobial Isolates. *Journal Crop Science and Biotechnology*, 12 (3) 109-113.
14. Kesawat M.S. and **B.K. Das** (2009) Review on Molecular Marker: It's Application in Crop Improvement. *Journal of Crop Science and Biotechnology*, 12 (4): 168- 178.

SELECTED BOOK CHAPTER PUBLICATION

1. Kesawat, M. S., **Das, B. K.**, Kumar, M., Bhaganagare, G. R. and Manorama (2015) An Overview on Fe–S Protein Biogenesis from Prokaryotes to Eukaryotes, in Biological

Nitrogen Fixation (ed F. J. de Bruijn), John Wiley & Sons, Inc, Hoboken, NJ, USA. pp 59-74. doi: 10.1002/9781119053095.ch6

MISC Expertise:

AS INVITED SPEAKER

Presented an oral presentation on the topic entitled “ Citrus in India: An overview” in International Symposium On The Research Trends and Utilization Of Citrus Functional Compounds” at Citrus Research Centre, National Institute of Horticulture and Herbal Science, Rural Development Administration, Jeju, South Korea, on 15 Oct 2009.

TRAINING & WORK SHOP ATTENDED

1. Delivered a presentation on Quarantine concern in Export of Indian mangoes to European Union, on 23-24 June 2015, the high-level dialogue seminar on Food Control under Capacity Building Initiative for Trade Development in India in Collaboration with European Union,
2. Participated in the Capacity Development Workshop in Carbon Balance Appraisal of Projects and Policies with the FAO (Food and Agriculture Organization of United Nations) Ex-Ante Carbon Balance Tool (EX-ACT) New Delhi, 12-15 December 2016/

REPRESENTATIVE MEMBER

1. Represented as Member Technical Scrutiny Committee (TSC) from Ministry of Agriculture & Farmers Welfare, Govt of India, on the National Adaptation Fund on Climate Change (NAFCC) was held on 6th January 2017, in the Ministry of Environment, Forest and Climate Change, Paryavaran Bhawan, Jor Bagh, New Delhi.
2. Represented as a Member Technical Scrutiny Committee (TSC) from Ministry of Agriculture & Farmers Welfare, Govt of India, for Indo-German bilateral projects on Climate Change entitled “Promoting Food and Nutrition Security for Small Holder Farmers through Climate-Smart Adaptive Agriculture and Water Use Efficiency in Rain fed, Drought-prone regions of Selected States in India”, held on 17th January 2017, in the Ministry of Environment, Forest & Climate Change, Paryavaran Bhawan, New Delhi.

Awards:

1. Post Doctoral Fellowship: National Institute of Horticultural & Herbal Science, Rural Development Administration, Imok-Dong, Suwon, Republic of Korea
2. Post Doctoral Fellowship: Tshwane University of Technology, South Africa
3. “*Who’s Who in America Who’s Who in World Who’s Who in American Politics Who’s Who in American Women Who’s Who in Science and Engineering*” Marquis Who’s Who 300 Connell Drive, Suite 2000, Berkeley Heights, NJ 07922 , USA
www.marquiswhoswho.com

7. **Sunita George:**

- a) **Philips, S.;** Nanda, K. & Gupta S.C. 1997. Rejuvenation of : *Acacia auriculiformis* old trees through Tissue Culture. *In: Proc. IVth A. Symp; IWSA, “Biotechnology and Human Society”*, Delhi., ISBN: 81-7525-039-9 p. 122.
- b) **Philips, S.; Dewan A.; Nanda, K. & Gupta, S.C.** 1998. Optimization of *in vitro* seed germination and seedling growth of *Acacia* species. In *Forest, Farm, and Community Tree Research Reports* .ISBN-10 1573600121 pp. 26-28.
- c) Nanda, K. & **Philips, S.** 2005. Environmental Education for Sustainable Development. *In : Peace and Development Digest: Environment and Development*, by Foundation for Peace & Sustainable Development. RNI Regd.No.: DELENG/2000/3499 pp. 37-41
- d) Nanda, K. & **Philips, S.** 2006. Micropropagation of Fabaceous Woody Species. *In : Plant Biotechnology, Prespectives and Prospects*. ISBN-10 8171324460 ; ISBN-13 978-8171324460 *Edit. P.C. Trivedi*, pp. 326-345, *Publ. Pointers*, Jaipur.
- e) **George, S.** 2013. Germplasm Conservation- A Review. *In : International Research Journal -The Research Series-Shrinkhala /ISSN NO 2321-290X/ Vol. 2, issue 6.pp 6-13 SJIF- 7.723*
- f) **George, S;** Yadav,N; M. Leleeka Devi and Yadav,A. 2016. Conservation of Potent Anti-Cancerous Medicinal Plants of India by Micropropagation-A Review. *In:*

International Journal of Biotechnology and Biomedical Sciences (IJBBS) .p-ISSN: 2454-4582,e-ISSN:2454-7808/Vol.2,No.1/ January-June. pp 53-56 Cos.IF-4.266

- g) **George, S.** 2019. Environmental Sustainability and Green Technology. *In*:: Symposium (under IQAC) on Environment and Sustainable Development-New Perspectives - ISBN: 978-81-937466-2-2, Golden Jubilee Year, 14th February 2019 organised by Department of Botany, Daulat Ram College, University of Delhi, Delhi. pp. 38-40
- h) **George, S.** 2019. Asthisamharaka (Hadjod) – The Fracture Healer Plant. *In*:: Symposium (under IQAC) on Environment and Sustainable Development-New Perspectives - ISBN: 978-81-937466-2-2, Golden Jubilee Year, 14th February 2019 organised by Department of Botany, Daulat Ram College, University of Delhi, Delhi. pp. 106-109.
- i) **George, S.** 2022. Women's Education, Economy and Sustainable Development-An Overview. *In* : International Research Journal – Remarking An Analisation E-ISSN NO.2455-0817 ; P-ISSN 2394-0344, Vol. VII; Issue V. pp E101-E107. SJIF- 7.645
- j) Kathal, R; **George, S** and Kumari, K.2023. Micropropagation –A Sustainable Approach for Conservation of Medicinal Plants. *In* : Lianas ISBN 978-93-92603-05-1 Botanical Magazine, Department of Botany, Daulat Ram College, University of Delhi, Delhi. pp. 27-31-
- k) **George, S.** 2023. Value of Biodiversity-A Survey. *In* : Lianas: Botanical Magazine, Department of Botany, Daulat Ram College, University of Delhi, Delhi. ISBN 978-93-92603-05-1 pp. 41-49.
- l) Philips, S. 1999. Lowering canopy height to increase yield. *In* : Lianas : Botanical Bulletin, Botanical Society, Daulat Ram College, University of Delhi, Delhi. p. 29.
- m) Pasricha, R. & Philips, S. 2001. Noise Pollution. *In* : Our Environment and We for National Environment Awareness Campaign (NEAC) 2000-2001 on Clean Green Earth, Department of Botany, Daulat Ram College, University of Delhi, Delhi. Pp 11-12.

- n) Philips, S. 2001. How Safe is Delhi's Drinking Water. *In* : Our Environment and We for National Environment Awareness Campaign (NEAC) 2000-2001 on Clean Green Earth, Department of Botany, Daulat Ram College, University of Delhi, Delhi. p 14.
- o) Philips, S. 2001. Do You Know That. *In* : Our Environment and We for National Environment Awareness Campaign (NEAC) 2000-2001 on Clean Green Earth, Department of Botany, Daulat Ram College, University of Delhi, Delhi. pp 15-16.
- p) Philips, S. 2001. Wet lands - The lifeline of Ecosystem. *In* : Water and Sustainable Development for National Environment Awareness Campaign (NEAC) 2001-2002 on Water and Sustainable Development, Department of Botany, Daulat Ram College, University of Delhi, Delhi. pp 4-6.
- q) Philips, S. & Nanda, K. 2002. Our Precious Landscape - Wetlands. *In*: Water - The Elixir of Life for National Environment Awareness Campaign (NEAC) 2002-2003 on Water - The Elixir of Life, Department of Botany, Daulat Ram College, University of Delhi. p.5.
- r) George, S. 2015. Micropropagation of Potent Anti-Cancerous Plants - *Podophyllum peltatum* and *Camptotheca acuminata* *In*: Workshop Manual on "Conservation of Medicinal Plants by Micropropagation pp. 39 – 41.
- s) George, S.2018. Bharathapuzha -A Dying Perennial River in Kerela. *In*: Liana, Botanical Bulletin, Botanical Society, Daulat Ram College, University of Delhi, Delhi. pp.29.
- t) George, S. 2018. Paneer and Khoya *In*: Manual of In House Skill Development Workshop on "Food Adulteration and Security" held on July 3rd –July 14th , 2017 organised by Department of Botany, Daulat Ram College, University of Delhi, Delhi.

- u) George, S. 2018. Coconut Oil *In: Manual of In House Skill Development Workshop on “Food Adulteration and Security”* held on July 3rd –July 14th, 2017 organised by Department of Botany, Daulat Ram College, University of Delhi, Delhi.
- v) George, S. 2020. Climate Smart Agriculture and Biodiversity Conservation. *In: Liana, Botanical Magazine (E-Magazine)*, Department of Botany, Daulat Ram College, University of Delhi, Delhi. pp. 5-7.

Project Applied for:

Project proposal entitled “Micropropagation – A Sustainable Approach for Conservation of Medicinal Plants” submitted for Navdhara Project (2022-23) PI’s –Dr Rekha Kathal; Dr Sunita George & Dr Kamlesh Kumari (Under Evaluation)

8. Dr. Vidhi Chaudhary:

S.No	Document Title	Authors	Year	Source	ISSN No.	Impact Factor	Publisher	Cited By	Scopus Index
1	Effectiveness of two arbuscular mycorrhizal fungi on concentrations of essential oil and artemisinin in three accessions of <i>Artemisia annua</i> L	V. Chaudhary, R. Kapoor and A. K. Bhatnagar	2008	<i>Applied Soil Ecology</i> 40 : 174-181	ISSN 0929-1393	4.046	Elsevier	72	Yes
2	Effect of arbuscular mycorrhiza and phosphorus application on artemisinin concentration in <i>Artemisia annua</i> L	R. Kapoor, V. Chaudhary and A. K. Bhatnagar	2007	<i>Mycorrhiza</i> 17 : 581-587	ISSN 0940-6360	3.387	Springer-Verlag	144	Yes
3	Influence of phosphorus and pH on the fungicidal potential of <i>Anabaena</i> strains	V. Chaudhary, R. Prasanna and A. K. Bhatnagar	2013	<i>Journal of Basic Microbiology</i> 53 : 201-213	ISSN 1521-4028	2.281	Wiley-VCH Verlag	9	Yes
4	Cyanobacteria mediated plant growth promotion and bioprotection against <i>Fusarium</i> wilt in tomato	R. Prasanna, V. Chaudhary, V. Gupta, S. Babu, A. Kumar, R. Singh, Y. S. Shivay and L. Nain	2013	<i>European Journal of Plant Pathology</i> 136 (2): 337-353	ISSN 0929-1873	2.262	Springer	104	Yes

5	Deciphering the biochemical spectrum of novel cyanobacterium based biofilms for use as inoculants	R. Prasanna, A. Kumar, S. Babu, G. Chawla, V. Chaudhary , S. Singh, V. Gupta, L. Nain and A. K. Saxena	2013	<i>Biological Agriculture and Horticulture</i> 29 (3):145-158	ISSN 0144-8765	1.357	Taylor and Francis Group	39	Yes
6	Evaluating the establishment and agronomic proficiency of cyanobacterial consortia as organic options in wheat-rice cropping sequence	R. Prasanna, S. Babu, A. Rana, S. R. Kabi, V. Chaudhary , V. Gupta, A. K., Y. S. Shivay, L. Nain and R. K. Pal	2013	<i>Experimental Agriculture</i> 49 (3): 416-434	ISSN 0014-4797	2.234	Cambridge University Press	44	Yes
7	Highly efficient bioenzyme functionalized biocompatible nanostructured Nickel Ferrite-chitosan nanocompatible platform for biomedical application	J. Singh, A. R. Choudhury, M. Srivastava, V. Chaudhary , R. Prasanna, D. Lee, H. L. Seung, B. Malhotra	2013	<i>The Journal of Physical Chemistry C</i> 117 (16): 8491-8502	ISSN 1932-7447	4.126	American Chemical Society	61	Yes
8	Bioefficacy of novel cyanobacteria-amended formulations in suppressing damping off disease in tomato seedlings	V. Chaudhary , R. Prasanna, L. Nain, S.C. Dubey, V. Gupta, R. Singh, S. Jaggi and A. K. Bhatnagar	2012	<i>World Journal of Microbiology and Biotechnology</i> 28 (12): 3301-3310	ISSN 0959-3993	4.253	Springer	59	Yes
9	Modulation of fungicidal potential of <i>Anabaena</i> strains by light and temperature	V. Chaudhary , R. Prasanna and A. K. Bhatnagar	2012	<i>Folia Microbiologica</i> 57 (3): 199-208	ISSN 0015-5632	2.629	Springer	10	Yes
10	Analyses of diversity among fungicidal <i>Anabaena</i> strains	V. Gupta, C. Natarajan, V. Chaudhary , A. Kumar, E. Sharma, J. Sharma, A. K. Bhatnagar and R. Prasanna	2012	<i>Journal of Applied Phycology</i> 24: 1395-1405	ISSN 1573-5176	3.404	Springer	6	Yes
11	Biochemical, structural and functional characterization of novel antifungal endoglucanases	V. Gupta, R. Prasanna, V. Chaudhary and L. Nain	2012	<i>Biocatalysis and Agricultural Biotechnology</i> 1: 338-347	ISSN 1878-8181	-	Elsevier	13	Yes

	from <i>Anabaena laxa</i>								
12	Evaluating novel microbe amended composts as biocontrol agents in tomato	A. S. Dukare, R. Prasanna, S.C. Dubey, L. Nain, V. Chaudhary , R. Singh and A. K. Saxena	2011	<i>Crop Protection</i> 30 : 436-442	ISSN 0261-2194	2.571	Elsevier	79	Yes
13	Development of microtitre plate based assay for evaluation of fungicidal potential and microscopic analyses of cyanobacterial metabolites	V. Chaudhary , R. Prasanna, V. Gupta, S. B. Singh, C. Natarajan and L. Nain	2010	<i>Archives of Phytopathology and Plant Protection</i> 43 (14): 1435-1444	ISSN 0323-5408	0.735	Routledge	3	Yes
14	Bioprospecting for genes involved in the production of chitosanases and microcystin like compounds in <i>Anabaena</i> strains	R. Prasanna, V. Gupta, C. Natarajan and V. Chaudhary	2010	<i>World Journal of Microbiology and Biotechnology</i> 26 : 717-724	ISSN 0959-3993	4.253	Springer	29	Yes
15	Evaluation of fungicidal activity of extracellular filtrates of cyanobacteria – Possible role of hydrolytic enzymes. [Cited as one of the most requested articles of the journal for the year 2008]	R. Prasanna, Lata, R. Tripathi, V. Gupta, V. Chaudhary , S. Middha, M. Joshi, R. Ancha and B.D. Kaushik	2008	<i>Journal of Basic Microbiology</i> 48 : 186-194	ISSN 1521-4028	2.281	Wiley-Vett-Verlag	107	Yes
16	Phytoremediation of cadmium from polluted soil	R. Kathal, P. Malhotra and V. Chaudhary	2016	<i>Journal of Bioremediation and Biodegradation</i> 7 : 6	ISSN 2155-6199	2.01	OMICS International	14	No
17	Pollution status of Yamuna river – A National Concern	R. Kathal, V. Chaudhary , L. Kumar and A. Puri	2016	<i>International Research Journal of Environmental Science</i> 5 (12): 1-6	ISSN 2319-1414	Cosmos Impact Factor: 4.967	International Science Community Association	0	No
18	Phytoremediation – A greener and sustainable technology for controlling toxicity of copper in soil	R. Kathal, P. Malhotra and V. Chaudhary	2015	<i>Journal of Basic and Applied Engineering Research</i> 3 (1): 56-59	ISSN 2350-0255	Cosmos impact factor 4.857	Krishi Sanskriti	0	No

19	New insights on biodiversity and applications of cyanobacteria (blue-green algae) -Prospects and Challenges	V. Gupta, S. K. Ratha, A. Sood, V. Chaudhary and R. Prasanna	2013	<i>Algal Research 2: 79-97</i>	ISSN 2211-9264	5.014	Elsevier	150	Yes
20	Rediscovering cyanobacteria as valuable sources of bioactive compounds	R. Prasanna, A. Sood, P. Jaiswal, S. Nayak, V. Gupta, V. Chaudhary , M. Joshi and C. Natarajan	2010	<i>Applied Biochemistry and Microbiology 46 (2): 119-134</i>	ISSN 0003-6838	1.065	SP MAIK Nanka/ Interperiodica	88	Yes
21	The beneficial effect of traditional herbal medicine. In: Recent Progress in Medicinal Plants, Ethnomedicine & Pharmacognosy	Authors: S. Rani and V. Chaudhary Eds: A. Sharma, G. Malik and Sanyogita	2022	In: Recent Progress in Medicinal Plants, Ethnomedicine and Pharmacognosy 85-110	ISBN: 978-93-90879-31-1		Anu Books		
22	Ecological Succession of Wetlands: A Review of the Current Scenario	D. Sinha, S. Datta, V. Chaudhary , D. Banerjee and R. K. Chaudhuri (2021). DOI: 10.4018/978-1-7998-9498-8.ch008	2021	In: The Handbook of Research on Monitoring and Evaluating the Ecological Health of Wetlands. 128-149	ISBN 10-1799894983	-	IGI Global Publishers		
23	Water Pollution of Wetlands: A global threat to Inland, Wetland, and aquatic phytodiversity.	S. Datta, D. Sinha, V. Chaudhary , S. Kar and A. Singh DOI: 10.4018/978-1-7998-9498-8.ch003	2021	In: The Handbook of Research on Monitoring and Evaluating the Ecological Health of Wetlands. 27-50	ISBN 10-1799894983	-	IGI Global Publishers	4	
24	Phytoremediation of Heavy Metals - A Greener and Sustainable Approach	Rekha Kathal and Vidhi Chaudhary Eds: Rekha Kathal, Nidhi Gautam, Rama Pasricha and Vidhi Chaudhary	2019	In; Proceedings of Symposium "Environment and Sustainable Development: New Perspectives" 34-37	ISBN 97881-93746	-	Books and Books Publishers	-	-

25	Liquid Organic Formulations for Sustainable Agriculture	Vidhi Chaudhary and Rekha Kathal Editors: Rekha Kathal, Nidhi Gautam, Rama Pasricha and Vidhi Chaudhary	2019	In; Proceedings of Symposium “Environment and Sustainable Development: New Perspectives” 45-48	ISBN 97881-93746	-	Books and Books Publishers	-	-
26	Cyanobacteria-PGPR interactions for effective nutrient and pest management strategies in agriculture. Chapter 10	Radha Prasanna, Anuj Rana, Vidhi Chaudhary , Monica Joshi and Lata Nain Eds: T. Satyanarayana, B.N. Johri and A. Prakash, Springer Science + Business Media B.V. Springer, Dordrecht, Newyork, London	2012	In: <i>Micro organisms in Sustainable Agriculture and Biotechnology</i> 173-195	ISBN 978-94-007-2214-9	-	Springer	20	-
27	Micropropagation of Plants	R. Kathal, S. George and V Chaudhary	2018	In: Inspire Manual at Daulat Ram College, University of Delhi 29-33					
28	Sugar	V. Chaudhary	2017	In: Manual of In-house Skill Development Certificate Course on "Food Adulteration and Security" at Department of Botany, Daulat Ram College, University of Delhi					

29	Tea and Its Adulterants	V. Chaudhary	2017	In: Manual of In-house Skill Development Certificate Course on "Food Adulteration and Security" at Department of Botany, Daulat Ram College, University of Delhi					
30	Micropropagation of Anticancer Plants	N. P. Malkami and V. Chaudhary	2015	In: Workshop Manual on Conservation of Medicinal Plants by Micropropagation, Department of Botany, Daulat Ram College, University of Delhi, New Delhi 24-26					
31	Diversity analyses of cyanobacteria using polyphasic approaches—phenotyping, biochemical aspects and molecular tools.	R. Prasanna, M. Joshi, V. Gupta, C. Natarajan and V. Chaudhary	2009	In: <i>Bioprospecting microbes for agriculture</i> , (Eds. R. Prasanna, Lata, A.K. Saxena, and D.W. Dhar), Division of Microbiology, IARI, New Delhi 238-250					
32	Yamuna: A sacred river or an open drain	Vidhi Chaudhary and Rekha Kathal	2018	In: Liana Botanical Society Magazine at Department of Botany, Daulat Ram College, University of Delhi 16-17					
33	Novel microbe amended disease suppressive composts	Radha Prasanna, Vidhi Chaudhary , Ajinath Dukare, Lata and Anil Kumar Saxena	2011	ICAR News 17 (1): 10-11					
34	Environment and Sustainable Development: New Perspectives	Rekha Kathal, Nidhi Gautam, Rama Pasricha and Vidhi Chaudhary	2019	Proceedings of Symposium	ISBN 97881-93746	-	Books and Books Publishers	-	-

9. **Dr. Priyanka Rathore:**

No. of publication: 4; No.of awards: 2

1. Rathore P, Schwarzacher T, Heslop-Harrison J.S., Bhat V., & Tomaszewska P. (2022). The repetitive DNA sequence landscape and DNA methylation in chromosomes of an apomictic tropical forage grass, *Cenchrus ciliaris*. *Frontiers in plant science*, 13, 952968. <https://doi.org/10.3389/fpls.2022.952968>. ISSN 1664-462X
2. Rathore P, Raina SN, Kumar S and Bhat V (2020). Retro-Element Gypsy-163 is Differentially Methylated in Reproductive Tissues of Apomictic and Sexual Plants of *Cenchrus ciliaris*. *Frontiers in Genetics*, 11:795. doi: 10.3389/fgene.2020.00795. ISSN 1664-8021
3. Rathore P, Geeta R and Das S (2016). Microsynteny and phylogenetic analysis of tandemly organised miRNA families across five members of Brassicaceae reveals complex retention and loss history, *Plant Science*, 247:35-48. ISSN 0168-9452
4. Rajpal VR, Rathore P, Mehta S, Wadhwa N, Yadav P, Berry E, Goel S, Bhat V and Raina SN (2022). Epigenetic variation: A major player in facilitating plant fitness under changing environmental conditions. *Frontiers in Cell and Developmental Biology* 10:1020958. doi: 10.3389/fcell.2022.1020958. ISSN 2296-634X

10. Dr. Remya Krishnan:

Total No. of publication:7 No.of awards: 3;

1. Remya Krishnan, Priyanka Khanduri, and Rajesh Tandon. "Floral biology, pollination mechanism and embryo development in *Zeylanidium maheshwarii* (Podostemaceae)." *Vegetos* 32 (2019): 216-222. Impact factor- 0.2 (Scopus Indexed).
2. Remya Krishnan, Priyanka Khanduri, and Rajesh Tandon. "*Zeylanidium manasiae*, a new species of Podostemaceae based on molecular and morphological data from Kerala, India." *PhytoKeys* 124 (2019): 23. Impact factor- 1.2 (Scopus Indexed).

3. Sunanda Mandal and Remya Krishnan, 2021. Fungi: The budding source for biomaterials. *Microbial Biosystems*, 6(1), pp.55-65. Impact factor: 0.81 (Peer Reviewed).
4. Remya Krishnan, Priyanka Khanduri and Rajesh Tandon, 2023. Developmental of pollen dyads in *Polypleurum munnarens* Nagendran & Arekal (Podostemaceae): Insights into the Plant's Reproductive Strategy. *Flora*, p.152331. Impact factor- 2.2 (Scopus Indexed).
5. A checklist on wild nutraceutical tuberous plants of India. *Indian Forester*, May edition, 2023 (UGC care list 2023).
6. **Book Chapter-** "Aerial Parasitic Plants: Sources of natural novel herbal drugs against microbial infections" in **Medico- Bio- Wealth of India Vol IV**, APRF publishers, 2021. ISBN number: 9-788195-275083
7. **Book Chapter-** "Medicinal Herbs: Importance and its applications" in **Lianas** pg. 76-83. ISBN number 978-93-92603-05-1

11. Dr. Aradhana Yadav:

1. Aradhana et al. (2012); Development of Sequence Characterized Amplified Region (SCAR) Marker for the authentication of *Bacopa monnieri* (L.) Wettst., European Journal of Medicinal plants.2(3), 186-198.2231-0894.
2. Aradhana et al. (2012); Development of Randomly Amplified Polymorphic DNA-Sequence Characterized Amplified Region Marker for the authentication of *Swertia chirayita*, an Endangered Himalayan Plant.2012, Journal of Plant Molecular Biology and Biotechnology,3(1),27-342446-0302.
3. Anjum Laiq, Ansari Zainul, **Yadav Aradhana**; (2013). Quantitative determination of swertiamarin in *Swertia chirayita* by HPTLC. International Journal of Engineering Research and General Science, 2 (6), 89-92,2091-2730.
4. George Sunita, Yadav Neeti, M Leleeka and **Yadav Aradhana 2016**; Conservation of Potent Anti-cancerous Medicinal Plants of India by Micropropagation- A review.(2016), International journal of Biotechnology and Biomedical sciences,53- 56. 2454-

5. Aradhana Yadav; Review Article: “RAPD-based sequence Characterized Amplified Region Marker for authentication of Medicinal plants”; (2013), National Conference on Advances in Environmental Sciences and Plant Biotechnology, NESA & Jamia Hamdard. Conference proceedings.
6. Aradhana Yadav; Review Article: Authentication of Herbal Drugs used in Traditional Systems of Medicine in Newsletter, Contemporary Plant Sciences. (2015), Botanical society, (Newsletter-Kalpavriksha), Deen Dyal Upadhyaya College, DU.
7. Aradhana Yadav; Review Article: Conservation of Some Threatened Ethno-Medicinal Plants of India by Micropropagation.2015., Conservation of Medicinal Plants by Micropropagation.(Workshop manual).
8. Aradhana Yadav; Review Article: “Adulteration in Clove”. 2017, Skill House Development Workshop on “Food Adulteration and Security”.(Workshop manual)
9. Aradhana Yadav, Review Article: Environment Impacts leading to Extinction of *Swertia Chirayita*-An Endangered Himalayan Plant.,(2018); Newsletter *Liana*, (Botanical Society) Department of Botany, DRC.
10. **Aradhana Yadav**, Pratibha Kumari and Dr. Meenam Bhatia. (2023); Ethnobotanical Studies and Traditional Knowledge Plants; ; Review Article in LIANAS, . The Annual Botanical Magazine of Vasundhara.
11. Pratibha Kumari, **Aradhana Yadav** and Meenam Bhatia, (2023); Bryophytes-Why they are Important, ; Review Article in LIANAS, . The Annual Botanical Magazine of Vasundhara.
12. Meenam Bhatia, Pratibha Kumari, **Aradhana Yadav**, (2023)“Exploring the Morphogenetic Diversity in fern gametophytes and their potential in Plant Science Research, 2023, Article in LIANAS, the Annual Botanical Magazine of Vasundhara.

Editor of Books

S.No	Name of Book.	Publisher	Authored/Edited	ISBN No	year

1	Wealth of India- a resource information, Second supplement series vol 3: (Pi-Z)	Wealth of India Division, -NISCAIR CSIR	Editorial Board and Scientific group,	ISBN: 81-7236-322-2	2009
2	LIANAS, the Annual Botanical Magazine of Vasundhara	Department of Botany, Daulat Ram College	EDITOR	978-93-92603-05-01	2023

12. **Dr. Asmita Gupta:**

Total No. of publication:23; First author publications: 15. No.of awards: 3; Research Projects Applied: 3;

1. **Gupta, A.,** Kumar, M., Sharma, R., Tripathi, R., Kumar, V. and Thakur, I.S., **2023.** Screening and characterization of biofloculant isolated from thermotolerant Bacillus sp. ISTVK1 and its application in wastewater treatment. *Environmental Technology & Innovation*, 30, p.103135. Publisher: Elsevier. ISSN 2352-1864. Impact Factor 2022: 7.758 (given by Journal Citation Reports®) Date of Publishing: 5 April 2023. Scopus Indexed and UGC CARE Listed.
2. **Gupta, A.,** Kumar, M., Ghosh, P. and Thakur, I.S., 17 January, **2022.** Risk assessment of a municipal extended aeration activated sludge treatment plant using physico-chemical and *in vitro* bioassay analyses. *Environmental Technology & Innovation*, Vol. 26, p.102254. Publisher: Elsevier. ISSN 2352-1864. Impact Factor 2022: 7.758 (given by Journal Citation Reports®) Date of Publishing: 17 January 2022. Scopus Indexed and UGC CARE Listed. Citations: 4
3. **Gupta A.** and Thakur I.S., October **2018,** Biosafety assessment of municipal wastewater after treatment by *Serratia* sp. ISTVKR1. International journal of environmental science and technology (Int. J. Environ. Sci. Technol.). 15(10), pp.2095-2106. DOI 10.1007/s13762-017-1548-z. Publisher: Springer,

Berlin/Heidelberg, Germany. ISSN: 1735-1472 (Print) 1735-2630 (Online). UGC list S.No. 685, Journal no. 3002. Impact Factor 2022: 3.519 (given by Journal Citation Reports®). Scopus Indexed and UGC CARE Listed. Citations: 5

4. **Gupta A.**, Kumar M., and Thakur I.S., October **2017**, Analysis and optimization of process parameters for production of Polyhydroxyalkanoates along with wastewater treatment by *Serratia* sp. ISTVKR1. Bioresource Technology (Bioresour Technol.), 242: 55-59. pii: S0960-8524(17)30391-7. doi: 10.1016/j.biortech.2017.03.110. Publisher: Elsevier. Netherlands. In press. ISSN: 0960-8524. UGC list S.No. 1225, Journal no. 14861. Impact Factor 2022: 11.889 (2021) (given by Journal Citation Reports®, Clarivate analytics, 2019). Scopus Indexed and UGC CARE Listed. Citations: 31
5. **Gupta A.** and Thakur I.S., August **2016**, Study of optimization of wastewater contaminant removal along with extracellular polymeric substances (EPS) production by a thermotolerant *Bacillus* sp. ISTVK1 isolated from heat shocked sewage sludge. Bioresource Technology, 213: 21-30. Doi. 10.1016/j.biortech.2016.02.040. ISSN: 0960-8524. UGC list S.No. 1225, Journal no. 14861. Impact Factor 2022: 11.889. Scopus Indexed and UGC CARE Listed. Citations: 44
6. **Gupta A.** and Thakur I.S., October **2015**, Biodegradation of wastewater organic contaminants using *Serratia* sp. ISTVKR1 isolated from sewage sludge, Biochemical Engineering Journal, 102: 115–124. ISSN: 1369-703X. Publisher: Elsevier. Netherlands. UGC list S.No. 932, Journal no. 14558. Impact Factor 2022: 4.446 (Journal Citation Reports®). Scopus Indexed and UGC CARE Listed. Citations: 41
7. Kapoor, R., Ghosh, P., Kumar, M., Sengupta, S., **Gupta, A.**, Kumar, S.S., Vijay, V., Kumar, V., Vijay, V.K. and Pant, D., **2020**. Valorization of agricultural waste for biogas based circular economy in India: A Research Outlook. Bioresource Technology, p.123036. [Volume 304](#), May 2020, 123036. ISSN: 0960-8524. Impact factor: 11.889 (2022). Scopus Indexed and UGC CARE Listed. Citations: 216.
8. Tripathi R., **Gupta A.** and Thakur I.S., May 2019, An integrated approach for phycoremediation of wastewater and sustainable biodiesel production by green microalgae, *Scenedesmus* sp. ISTGA1. Renewable Energy (Renew Energ),

135: 617-625. ISSN: 0960-1481. Publisher: Elsevier. Netherlands. UGC list S.No. 4, Journal no. 10267. Impact Factor 2022: 8.634. Publisher: Elsevier Science Ltd.Scopus Indexed and UGC CARE Listed. Citations: 77

9. Medhi K., **Gupta A.**, Thakur I.S., 2018, Biological nitrogen removal from wastewater by *Paracoccus denitrificans* ISTOD1: optimization of process parameters using response surface methodology. Journal of Energy and Environmental Sustainability, 5 (2018) 41-48. ISSN: 2455-2259, International Society for Energy, Environment and Sustainability, Indian Institute of Technology, Kanpur – 208016. Uttar Pradesh, India. +91-512-2597982. editor@jees.in. Citations: 4
10. Kumar M., **Gupta A.** and Thakur I.S., August 2016, Carbon dioxide sequestration by chemolithotrophic oleaginous bacteria for production and optimization of polyhydroxyalkanoate. Bioresource Technology (Bioresour. Technol.), 213: 249–256. 10.1016/j.biortech.2016.02.038. ISSN: 0960-8524. UGC list S.No. 1225, Journal no. 14861. Impact factor: 11.889 (2022). Scopus Indexed and UGC CARE Listed. Citations: 66
11. Ghosh P., **Gupta A.**, Thakur I.S., June 2015, Combined chemical and toxicological evaluation of leachate from municipal solid waste landfill sites of Delhi, India, Environmental Science and Pollution Research (Environ Sci Pollut Res), 22 (12): 9148-9158. ISSN: 0944-1344 (Print) 1614-7499 (Online). UGC list S.No. 2217, Journal no. 64748. Impact Factor 2022: 5.19. Scopus Indexed and UGC CARE Listed. Citations: 98
12. **Gupta A.**, Thakur I.S., 2015, Dynamics of wastewater organic contaminants in a sewage treatment plant. ENVIS news letter on Biogeochemistry, New Delhi, India. 21(2): 1-8. ISSN: 0974-1364.
13. **Gupta A.** and Thakur I.S., 2016, Treatment of organic recalcitrant contaminants in wastewater, Chapter 1, pp 1-15, in: Farooq R. and Ahmad Z. (Eds.), Wastewater treatment and resource recovery. Intech. IntechOpen Limited, The Shard, 25th floor, 32 London Bridge Street, London, SE19SG - United Kingdom, Phone: +44 (0) 20 3457 0462 ISBN No. 978-953-51-4933-0. Citations: 23
14. **Gupta A.**, Medhi K., Gupta M., Thakur I.S., 2017, Advances in the application of bacterial exopolysaccharides: A review. Chapter 15, pp-157-166. Enriched

Publications Pvt. Ltd., New Delhi, India. Scope of phytochemically unexplored medicinal plants. ISBN No. 978-1-63535-013-5.

15. Kumar, M., Morya, R., **Gupta, A.** and Thakur, I.S., 2020. Anaerobic biovalorization of pulp and paper mill waste. In Biovalorisation of Wastes to Renewable Chemicals and Biofuels (pp. 41-61). Elsevier. ISBN No. 978-0-12-817951-2. Citations: 5
16. **Gupta A**, Kumar M, Srivastava S. (2021) Recent advances in wastewater sludge valorization. In Biovalorization of waste: Trends and perspectives. Environmental and Microbial Biotechnology (EMB), 19th February, 2021. 225-247. Springer. ISBN No. 978-981-15-9695-7. Citations: 4
17. **Gupta A**, Swati Wanwari, Kumar M, Thakur I.S. (2021) Contamination of water resources with potentially toxic elements (Hg, As, Pb, Cd, and Cr) and human health risk assessment. Contamination of Water. Health risk assessment and treatment strategies. Elsevier. ISBN: 978-0-12-824058-8. Editor: Arif Ahamad, Sharf Ilahi Siddiqui and Pardeep Singh. 11th August, 2021. Available online 13 August 2021, Version of Record 13 August 2021. Chapter 10, 143-156. DOI:10.1016/B978-0-12-824058-8.00006-2
18. **Gupta A**, Kumar M, Kumar V, Thakur I.S. (2021) Hydrogen production and carbon sequestration for biofuels and biomaterials. BIOMASS, BIOFUELS, BIOCHEMICALS Climate change mitigation: Sequestration of green house gases. Elsevier. ISBN: 978-0-12-823500-3. Editor: I.S.Thakur, Ashok Pandey, Huu Hao Ngo, Carlos Ricardo Soccol, Christian Larroche. Available online 14 January 2022, Version of Record 14 January 2022. Chapter 10, 231-252.
19. Kumar, M., **Gupta, A.**, Srivastava, S. (2021). Degradation and Biotransformation of Pentachlorophenol by Microorganisms. In: Kaushik, A., Kaushik, C.P., Attri, S.D. (eds) Climate Resilience and Environmental Sustainability Approaches. Springer, Singapore. Climate Resilience and Environmental Sustainability Approaches pp 299–318. ISBN: 9811609020, 9789811609022. https://doi.org/10.1007/978-981-16-0902-2_16. Citations: 1
20. Kumar, M., Morya, R., **Gupta, A.**, Kumar, V. and Thakur, I.S., 2021. Bacterial-Mediated Depolymerization and Degradation of Lignin. In Environmental Microbiology and Biotechnology. Chapter 4 (pp. 83-103). Springer, Singapore. ISBN: 978-981-15-7493-1. DOI:10.1007/978-981-15-7493-1_4

21. **Gupta A**, 2019, “Wastewater treatment” Publisher Books and Books Unlimited, A-6/324-B, DDA Flats, Paschim Vihar, New Delhi-110063. ISBN: 978-81-937466-2-2.
22. **Gupta A**, 2019, “Production of value added products from wastewater by Bacteria.” Publisher Books and Books Unlimited, A-6/324-B, DDA Flats, Paschim Vihar, New Delhi-110063. ISBN: 978-81-937466-2-2.
23. **Gupta A**. An Eco-conscious Lifestyle. Lianas. 2022-2023. FA Digital Productions, New Delhi, India. ISBN: 978-93-92603-05-1.

Research Projects Applied:

1. Project Proposal submitted under Indian Council of Social Science Research Minor category on 9/9/2021. PI: Dr. Rekha Kathal, Co-PI: Dr. Rama Pasricha and Dr. Asmita Gupta. Result awaited.
2. Project Proposal submitted under Navdhara Scheme 2022-23. PI: Dr. Meenam Bhatia, Co-PI: Dr. Asmita Gupta and Dr. Preeti Chadha, Daulat Ram College, University of Delhi. Under evaluation.
3. Project Proposal submitted under DST-SERB scheme 2023. PI: Dr. Asmita Gupta. Under evaluation.

13. Dr. Pratibha Kumari

No of Publication- 5

- 1- **Pratibha Kumari**, A.M. Otaghvari, H. Govindaparyari, Y.M. Bahuguna, P.L. Uniyal (2011). Some Ethno-Medicinally Important Pteridophytes of India. International Journal of Medicinal and Aromatic Plants. Vol 1(1): 18-22. ISSN 2249-4240.
- 2- H. Govindaparyari, **Pratibha Kumari**, Y.M. Bahuguna, P.L. Uniyal (2012). Evaluation of Species Richness of Acrocarpous Mosses in Imphal District, Manipur, India. Taiwaniana 57(1): 14-26. ISSN 0372-333X.
- 3- **Pratibha Kumari**, B.P. Chamola, H. Govindaparyari, R. Gupta, P.L. Uniyal (2015). Studies on Diversity of Soil Fungi (AM) Associated with Bryophytes in Uttarakhand, North-Western Himalaya, India. Annals of Forestry 23 (1): 11-19. ISSN 0971- 4022.

- 4- Priti, **Pratibha Kumari**, Ruchi Srivastava, P.L. Uniyal (2016). Studies on the Gametophyte Development and Gametangial Ontogeny in *Microsorium scolopendria* (Burm. f.) Copel. International Journal of Plant Reproductive Biology. 8(2) 136-138. ISSN print : 0975-4296, ISSN online: 2249-7390
- 5- Priti, **Pratibha Kumari**, G.S. Panwar, P.L.Uniyal (2017). Studies on *In-vitro* Gametophyte development of *Onychium contiguum* (Wall.) Hope. Indian Fern Journal (34) 117-134. ISSN 0970-2741.

14. Dr. Shagun Danda

No. of Publications - 8, No. of Awards- 2

1. **Danda, S.**, Subramaniam, S., Choudhary, A.K., Rather, S.A., Misra, G. & Pandey, A.K. **2022**. Quantitative analysis of fatty acids in some selected *Crotalaria* species using GC-MS. **Phytochemical analysis (submitted) Impact Factor 3.03, Scopus Indexed and UGC CARE Listed.**
2. Subramaniam, S., Rather, S.A., **Danda, S.** & Pandey, A.K. **2022**. The systematic significance of pod morphological and anatomical variations in Indian *Crotalaria* L. (Leguminosae). *Flora* . <https://doi.org/10.1016/j.flora.2022.152059>. **Impact factor 2.088, Scopus Indexed and UGC CARE Listed.**
3. Pal, K. and **Danda S.** **2021**. Stress, Anxiety Triggers and Mental Health Care Needs among general public under lockdown during COVID-19 Pandemic: a Cross-Sectional Study in India. **International Journal of Mental Health and Addiction**. <https://doi.org/10.1007/s11469-021-00596-x> . **Impact Factor: 3.83, Cited by 4. Scopus Indexed and UGC CARE Listed.**
4. Subramaniam, S., Rather S.A., **Danda, S.** & Pandey, A.K. **2020**. Presence of air cavities in pods of an endemic legume *Crotalaria pusilla* DC. (Leguminosae, Papilionoidae). **Current Science** 118: 1-2. **Impact Factor: 1.10, Cited by 1. Scopus Indexed and UGC CARE Listed.**
5. Rather, S.A., Subramaniam, S., **Danda, S.**, Pandey, A.K. **2018**. Discovery of two new species of *Crotalaria* (Leguminosae, Crotalarieae) from Western Ghats, India. **PLoS One** 13(2):1-20. **Impact Factor: 3.24, Cited by 11. Scopus Indexed and UGC CARE Listed.**

6. Dwivedi, M.D., Meena, D.S., Rather, S.A., **Danda, S.** and Kasana, S. **2018**. Floristic Diversity at Asola Bhatti Wildlife Sanctuary, Delhi, India. **Phytomorphology** 68 (1&2): 19-34. **Impact factor: 0.1, Cited by 6. Scopus Indexed and UGC CARE Listed.**
7. **Danda, S.**, Subramaniam, S., Rather, S.A. and Pandey, A.K. **2016**. A new species of *Crotalaria* (Fabaceae, Crotalarieae) from Meghalaya, India. **Systematic Botany** 41(2): 307-315. **Impact Factor: 1.89, Cited by 10. Scopus Indexed and UGC CARE Listed.**
8. Subramaniam, S., Rather, S.A., **Danda, S.** **2016**. Two new records to the Flora of Himachal Pradesh (India) from Sirmour District. **Pleione** 10(2): 407-409, **Scopus Indexed and UGC CARE Listed.**

15.. Dr. Kamlesh kumari :

International journal

1. **Saggoo, M. I. S. and Kumari, K. 2013**. Male meiosis in reed grass *Calamagrostis emodensis* Griseb. from cold desert region of Western Himalayas. **Chromosome Botany** **8**: 97-101.
2. **Kumari, K. and Saggoo, M. I. S. 2015**. Male meiosis in some species (Family Poaceae) with soil stabilization potential from District Kinnaur, Himachal Pradesh. **Cytologia** **80 (1)**:1-6.
3. **Kumari, K. and Saggoo, M. I. S. 2016**. Analysis of meiotic behavior in *Eremurus himalaicus* Baker (Liliaceae): A rare endemic perennial from Kinnaur, Himachal Pradesh, India. **Cytologia** **81**: 447-453.
4. **Kumari, K. and Saggoo, M. I. S. 2016**. Male Meiosis in Two Morphotypes of *Melica persica* Kunth (Poaceae) from Himachal Pradesh, India. **Cytologia** **81(4)**: 403-408.
5. **Kumari, K. and Saggoo, M. I. S. 2016**. Male meiosis and morphometric analysis of ethnobotanically important *Allium carolinianum* DC. From Kinnaur district of Himachal Pradesh, India. **Asian Journal of Pharmaceutical and Clinical Research** **9(4)**: 396-398.
6. **Kumari, K. and Saggoo, M. I. S. 2016**. Cytomorphology of some medicinal grasses from Hangrang valley of district Kinnaur, Himachal Pradesh. **International Journal of Pharmacy and Pharmaceutical Sciences.** **8(5)**: 187-190.
7. **Kumari, K. and Saggoo, M. I. S. 2016**. Meiotic abnormalities in some members of the Poaceae collected in District Kinnaur, Himachal Pradesh, India. **Chromosome Botany** **11(1)**: 14-20.
8. **Kumari, K. and Saggoo, M. I. S. 2017**. Male meiosis in *Polygonatum Cirrhifolium* (Wall.) Royle- An endangered medicinal plant from Kinnaur, Himachal Pradesh. **Cytologia** **82(4)**:1-4.

National journal:

1. **Kumari, K. and Saggoo, M. I. S. 2015**. Traditional and ethnomedicinal uses of some grasses (Poaceae) of Kinnaur, Himachal Pradesh, India. **Annals of Plant Sciences** **4**: 1195-1198.

2. Kumari, K., Kaur, M. and Akhter, A. 2015. The Current Status and High Priority Conservation of Endangered Medicinal Plants of North West India. 'INSIGHT' an International Journal of Science. Volume 2.

3. Kathal, R., George, S. and Kumari, K. 2023. Micropropagation-a sustainable approach for conservation of medicinal plants. Lianas College Magazine (ISBN-97893-92603-05-1)