

CURRICULUM VITAE

ARVIND PAREEK, Ph. D.

FBS, FLS

Professor and Head

Department of Botany

MDS University, Ajmer

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EDUCATION

2022: Diploma (Sports nutrition): Indian Institute of Skill Development Training.

2002: Ph.D. (Botany): University of Rajasthan, Jaipur.

1998: M.Sc. (Botany): University of Rajasthan, Jaipur.

1996: B.Sc. (Biology): University of Rajasthan, Jaipur.

ACADEMIC POSITIONS AND APPOINTMENTS

2017-Present: Professor and Head, Department of Botany.

Maharshi Dayanand Saraswati University, Ajmer, Rajasthan, India. 305009.

2011-2017: Director, Regional Centre.

Vardhaman Mahaveer Open University, Kota, Rajasthan, India. 324021.

2003-2011: Associate Professor, Department of Botany.

Mahatma Gandhi Institute of Applied Sciences, Jaipur, Rajasthan, India.
302022.

2002-2003: Lecturer, Department of Bioinformatics.

Poddar Institute of Information Technology, Jaipur, Rajasthan, India. 302016.

HONORS AND AWARDS

2025: Scientists of the Year Award-2025. Outstanding contribution in the field of Algal Biotechnology. Bioved Research Institute of Agriculture and Technology (BRIATS). Prayagraj, India. November 9-11, 2025.

2023: Fellow, Linnaean Society of London, **FLS**.

2007: Fellow, Indian Botanical Society, **FBS**.

1999: Best paper, 23rd Annual conference of Indian Botanical Society, Mumbai.

1999-2002: JRF and SRF in DBT Scheme "Income generating *Spirulina* Cultivation for SC/ST Youth and Women of Bassi- Rajasthan.

GRANTS

2011-2013: Department of Science and Technology, India; INR 9 Lakh. Search for Novel Antimicrobial and Anti cancerous Bioactive as therapeutic leads from certain Cyanobacterial Strains.

2008-2011: Department of Science and Technology, India; INR 9 Lakh. Scientific Validation and Authentication of Ethnomedicinal Treasure of Rajasthan and in situ conservation of endangered flora.

PUBLICATIONS IN PEER REVIEW JOURNALS

54). Khorwal, A., Prajapat, P., Saini, S., Jain, S., Parihar, M., Singh, N., and **Pareek, A.** (2025). Effect of Different pH values on the Cell Growth of *Dunaliella parva* W. Lerche: A Case Study of Sambhar Lake, Jaipur (Rajasthan, India). *International Journal on Algae*, 27(3): 285-292.

53). Ojha S., Jangid R., and **Pareek A.** (2025). *Amanita ocreata* Peck (Basidiomycota: Amanitaceae): One new report from India. *Journal on New Biological Reports*, 14 (1): 40 – 44.

52). Jangid R., Ojha S., and **Pareek A.** (2025). Stinkhorns: Two new distribution reports and morphological study of dog stinkhorn (*Mutinus caninus*) and jacaranda stinkhorn (*Itajahya galericulata*) from Rajasthan, India. *Species*, 26(78). e48s3219.

51). Ojha S. and **Pareek A.** (2025). Earthstar (*Geastrum* sp., Agaricomycetes; Geastrales): First distribution report and morphological study of *Geastrum saccatum* Fries from Rajasthan, India. *Journal on New Biological Reports*, 14 (1): 34 – 39.

50). Kumawat K.R., **Pareek A.**, and Singh N. (2025). Algal nutraceuticals: a potential alternative to health supplementation for athletes. *Sport Sci Health*. <https://doi.org/10.1007/s11332-025-01545-0>.

49). Parihar M and **Pareek A.** (2025). A comprehensive study on the diatom flora of Anasagar lake, Ajmer, Rajasthan. *Hydrobiological Research*, 3(2), 31–47.

48). Jain S. and **Pareek A.** (2025). Microalgal Enzymes: A Possible Solution of White Pollution. *Biology Bulletin Reviews*, 15, 562–571. <https://doi.org/10.1134/S207908642560002X>.

47). Saini S. and **Pareek A.** (2025). *Martynia annua* L. in Traditional Medicine, Ethnomedicine and Pharmacology: A Review. *Biology Bulletin Reviews*, 15, 267–274. <https://doi.org/10.1134/S2079086424601194>

46). Kumawat K. R., Singh N., and **Pareek A.** (2025). *Holoptelea integrifolia* (Roxb.) Planch: A Potential Plant for Sports Nutrition and Medicine. *Biology Bulletin Reviews*, 15, 254–266. <https://doi.org/10.1134/S207908642460111X>

45). Sharma M., Sharma A., Batra N., and **Pareek A.** (2025). Biodegradation assessment of polythene by microalgae growing on polythene debris from freshwater bodies. *Iranian Polymer Journal*, 1-14.

- 44). Singh N., Samarth M. R., Vashishth A., and **Pareek A.** (2024). Amaranthus as a potential dietary supplement in sports nutrition. *CyTA- Journal of Food*, 22(1), 2375253.
- 43). Singh N. and **Pareek A.** (2023). *Prosopis cineraria*: a potential functional food for improving sports performance. *Vegetos*, 37 (1): 1-5.
- 42). **Pareek A.**, Kasvan B. R., and Singh N. (2023). Effect of a novel dietary supplement Khejri, and *Spirulina* supplementation on lipid profile in cricket players. *Frontiers in Sports and Active Living*, 4, 1075388.
- 41). Vashishth A., **Pareek A.**, and Singh N. (2023). Herbal Supplementation Effect in Combat Athletes. *Journal of Phytological Research*, 36(1): 15-24.
- 40). Parihar M. and **Pareek A.** (2022). Diatom Flora of Rajasthan: A Review. *Journal of Phytological Research*, 35(2): 127-131.
- 39). Saxena A., Jain S., and **Pareek A.** (2022). Estimation of possible biodegradation of polythene by fungal isolates growing on polythene debris. *Pollution*, 8(2): 567-577.
- 38). **Pareek A.** and Singh N. (2021). Seeds as Nutraceuticals, Their Therapeutic Potential and Their Role in Improving Sports Performance. *Journal of Phytological Research*, 34(2): 127-138.
- 37). Jain S. and **Pareek A.** (2021). Plastic waste: Challenges and mitigation. *Mendel International Journal*, 38 (1-2): 68-78.
- 36). Khorwal K., Prajapat P., and **Pareek A.** (2021). Microalgal beta carotene: Source of nutrition for human being. *Mendel International Journal*, 38 (1-2): 46-57.
- 35). Saini S., Kumawat K. R., Singh N., and **Pareek A.** (2021). Medicinal plants of Rajasthan: Traditional and therapeutic approach for wound healing. *Mendel International Journal*, 38 (1-2): 38-45.
- 34). Kumawat K. R., Chahar A., **Pareek A.**, Saini S., and Singh N. (2021). From ancient practices to modern play: Plants for sports performance enhancement. *Mendel International Journal*, 38 (1-2): 21-30.
- 33). Parihar M., Jain S., and **Pareek A.** (2021). Exploring the forensic significance of diatoms: A review. *Mendel International Journal*, 38 (1-2): 15-20.
- 32). **Pareek A.**, Purohit S. G., Khatik N., and Singh N. (2020). Selected Traditional Indian Plants and Sports Performance: A Review. *Journal of Phytological Research*, 33(1): 115-126.
- 31). Bhargava A. and **Pareek A.** (2019). Optimization of Growth Medium and Salt Concentration for the Growth of *Dunaliella parva* isolated from Sambhar Lake (Rajasthan, India). *The Journal of Plant Science Research*, 35(2): 229-232.
- 30). Mishra N. and **Pareek A.** (2018). Phytochemical analysis of leaf and bark extracts of *M. hexandra* (roxb.) a valuable medicinal plant. *Journal of Phytological Research*, 31(1-2): 17-22.
- 29). Saxena A. and **Pareek A.** (2017). Possible Degradation of LDPE And Biodegradable Polythene by Natural Fungal Flora. *Journal of Phytological Research*, 30(2): 77-81.

- 28). Saxena A. and **Pareek A.** Isolation and Identification of Fungal Flora on Degrading Polythene Heaps Around Water Bodies of Jhansi. *Journal of Phytological Research*, 30(1): 7-15.
- 27). Mishra N. and **Pareek A.** (2016). Floristic Diversity of Angiosperms with special reference to their medicinal properties from Kota district of Rajasthan, India. *International Journal of Advanced Research*, 3(12): 994-1007.
- 26). S. Indu and **Pareek A.:** A Review: Growth and Physiological Adaptability of Sheep to Heat Stress under Semi–Arid Environment. *International Journal of Emerging Trends in Science and Technology*, 2(9): 3188-3198. DOI:10.18535/ijetst/v2i9.09.
- 25). Shekhawat I., Veerasamy S., Kumar D., **Pareek A.**, and Naqvi S. M. K. (2015). Ideal proportion of roughage and concentrate for Malpura ewes to adapt and reproduce in a semi-arid tropical environment. *Tropical Animal Health and Production*, 47(8): 1487–1495. DOI:10.1007/s11250-015-0889-1.
- 24). Soni M. and **Pareek A.** AQP2 Genes and Nephrogenic Diabetes Insipidus: A Review. *Annual Research and Review in Biology*, 8(6): 1-8. DOI:10.9734/ARRB/2015/22224.
- 23). Sharma N., Sharma D. K., and **Pareek A.** (2014). Incidence And Transmission of *Xanthomonas axonopodis* pv. *Vesicatoria* (Dooidge) Dye in Brinjal (*Solanum melongena* L.) Seeds in Rajasthan, India. *Journal of Phytological Research*, 27 (1 & 2): 57-65.
- 22). **Pareek A.**, Vashishtha, A., Moin, S., and Menghani, E. (2014). Bioreduction of Fluoride in Affected Water Samples of Jaipur by *Oscillatoria* (Cyanophyta) Species. *International Journal on Algae*, 16(1): 86-94.
- 21). Mishra N. and **Pareek A.** (2014). Traditional Uses, Phytochemistry and Pharmacology of *Mimusops hexandra* roxbs.
Advances in Pharmaceutical and Ethnomedicines, 2(2): 32–35. DOI: 10.14737/journal.ape/2014/2.2.32.35.
- 20). **Pareek A.** and Soni M. (2014). Homology-based 3D-structure modeling of aquaporin-2 protein. *International Journal of Pharma and Bio Sciences*, 5(4): 855-862.
- 19). Menghani E., Rana A., Saraswat P., and **Pareek A.** (2014). Antibacterial potentials of two Indian spices. *International Journal of Pharma and Bio Sciences*, 7(5): 666-672.
- 18). Sharma M., Dubey A., and **Pareek A.** Algal Flora on Degrading Polythene Waste. *Journal of Microbiology*, 3(2): 43-47.
- 17). Soni M. and **Pareek A.** Evolutionary Relationship Between AQP2 and AVPR2 and Their Mutant Sequences. *Journal of Bio-Protocols*, 3(2): 21-24.
- 16). **Pareek A.** (2014). Seed-born, post-harvest diseases of Round Gourd (*Citrullus vulgaris* Var. *fistulosus*) and its Nutritive Value. *Asian Journal of Plant Pathology*, 8(2): 30-33. DOI:10.3923/ajppaj.2014.30.33.
- 15). **Pareek A.**, Vashishtha, S. Moin, and Menghani E. (2014). Bio reduction of Fluoride in Affected Water Samples of Jaipur by *Oscillatoria* (Cyanophyta) Species. *International Journal on Algae*, 16(1): 86-94., DOI:10.1615/InterJAlgae.v16.i1.60.

- 14). **Pareek A.**, Sharma A., Khan Mhd. A., Srivastava P. Impact of Spirulina administration on rural women having itching problem on skin. *Journal of Phytological Research*, 26(1&2): 95-98.
- 13). **Pareek A.** and Srivastava P. (2013). Efficacy of antibiotics on bacterial contamination in outdoor cultures of *Spirulina platensis*. *Journal of Algal Biomass Utilization*. 4(3): 1–9.
- 12). Negi R.S, **Pareek A**, Menghani E., and Ojha C.K. (2012). Ethno-Medicinal Studies at Sanchor and Mount Abu Regions, Located in Sirohi District of Rajasthan. *Journal of Pharma. Sciences*, 1(1): 15-21.
- 11). Menghani E., Ojha C. K., Negi R. S., Agarwal Y., and **Pareek A.** (2011). Screening of Indian Medicinal Plants and their potentials as Antimicrobial Agents. *Global Journal of Science Frontier Research*, 11(2).
- 10). Menghani E., **Pareek A.**, Negi R.S., and Ojha C.K. (2011). Search for Antimicrobial Potentials from Certain Indian Medicinal Plants. *Research Journal of Medicinal Plant*, 5(3): 295-301, DOI:10.3923/rjmp.2011.295.301.
- 09). Menghani E., **Pareek A.**, Singh R., and Ojha C.K. (2010). Antidiabetic Potentials of Various Ethno-Medicinal Plants of Rajasthan. *Ethnobotanical Leaflets*, 14(3): 578-583.
- 08). Menghani E., **Pareek A.**, Kumar S., and Hemrajani N. (2009). Scientific Validation and Authentication of Genuine and Market samples of *Tinospora cordifolia*. *Pharmacognosy*, 1(1): 50-55.
- 07). Kumar S., **Pareek A.**, and Ojha C.K. (2006). New advances towards food security. *Current science*, 91(8):1000.
- 06). **Pareek A.**, Sharma S., and Sharma K.P. (2004). An assessment of nutritional value of a local strain of *Spirulina platensis* using fish model. *The Indian journal of nutrition and dietetics*, 41(6):265-268.
- 05). **Pareek A.** and Srivastava P. (2004). Meetha Soda: Substitution for Analytical Grade NAHCO₃, For Outdoor Cultivation Of, *Spirulina platensis*. *Journal Of Phytological Research*, 17(1):115-116.
- 04). **Pareek A.** and Srivastava P. (2003). Selection of super strain of *Spirulina* for outdoor cultivation in semi-arid Rajasthan. *International journal of plant research*, 16:13-20.
- 03). **Pareek A.**, Vashishtha A., and Sharma P. (2000). Chlorophycean microalgal flora of Keola Deo National Park, Bharatpur. *Journal of Phytological Research*, 17(2):187-189.
- 02). **Pareek A.** and Srivastava P. (2001). Optimum photoperiod for the growth of *Spirulina platensis*. *Journal of Phytological Research*, 13 (2): 99-100.
- 01). **Pareek A.**, Srivastava P. (1999). Additional list of chlorococcales of Pushkar lake. *Journal of Phytological Research*, 12 (1-2): 113-114.

BOOKS, CHAPTERS, MANUALS

BOOKS

- 25) **Pareek A.** and Trivedi P.C.: *Modern Economic Botany and Ethnobotany*. Agroacademics ISBN: 9789391568306. 2023.
- 24) **Pareek A.** and Trivedi P.C.: *Modern Concept of Ecology*. Agroacademics., ISBN: 978-93-91568-97-5. 2022.
- 23) **Pareek A.**, Menghani E., and Adwani U.: *Herbal Antibiotics*. 06/2012; LAP Lambert Academic Publishing (13 June 2012)., ISBN: 978-3659137419.
- 22) **Pareek A.**, Menghani E., Gupta T.: *Validation of Indian Medicinal Plants*. 05/2012; LAP Lambert Academic Publishing., ISBN: 978-3846508039.
- 21) **Pareek A.**, Menghani E., and Golia A.: *Medicinal Plant Potentials as Antimicrobials and Antioxidant Agents: Natural Products as Antibiotic*. 11/2011; LAP LAMBERT Academic Publishing., ISBN: 978-3846540763.
- 20) **Pareek A.**, Menghani E, and Hemrajani N.: *Indian Medicinal Plants as Antimicrobial Agents*. 08/2011; LAP Lambert Academic Publishing., ISBN: 978-3845408552.
- 19) **Pareek A.:** *Aadharbhoot bhautiki, Rasayan shastra & Jeev Vigyan, Vol-1*, Vardhaman Mahaveer Open University, Kota. BT-01.
- 18) **Pareek A.:** *Aadharbhoot bhautiki, Rasayan shastra & Jeev Vigyan, Vol-2*, Vardhaman Mahaveer Open University, Kota. BT-01.
- 17) **Pareek A.:** *Aaanvik jaiviki, Sooksham jaiviki & Rasayan Vigyan, Vol-1*, Vardhaman Mahaveer Open University, Kota. BT-02.
- 16) **Pareek A.:** *Aaanvik jaiviki, Sooksham jaiviki & Rasayan Vigyan, Vol-2*, Vardhaman Mahaveer Open University, Kota. BT-02.
- 15) **Pareek A.:** *Parivardhan jaiviki & Jaiv sankhyiki*, Vardhaman Mahaveer Open University, Kota. BT-03.
- 14) **Pareek A.:** *Prayogik jaivpraudyogiki*, Vardhaman Mahaveer Open University, Kota. BT-04.
- 13) **Pareek A.:** *Practical Botany-I*, Vardhaman Mahaveer Open University, Kota. BT-05.
- 12) **Pareek A.:** *Sooksham jaiv praudyogiki*, Vardhaman Mahaveer Open University, Kota. BT-07.
- 11) **Pareek A.:** *Prayogik jaiv praudyogiki*, Vardhaman Mahaveer Open University, Kota. BT-08.
- 10) **Pareek A.:** *Nano-jaiv praudhyogiki*, Vardhaman Mahaveer Open University, Kota. BT-10.
- 09) **Pareek A.:** *Jaiv prasanskaran-takneek*, Vardhaman Mahaveer Open University, Kota. BT-11.
- 08) **Pareek A.:** *Paadap paaristhitiki & Aarthik vanaspati*, Vardhaman Mahaveer Open University, Kota. BT-11.
- 07) **Pareek A.:** *Prayogik jaiv praudyogiki*, Vardhaman Mahaveer Open University, Kota. BT-12.
- 06) **Pareek A.:** *Samanya vigyan ka parichay*, Vardhaman Mahaveer Open University, Kota. IGC.
- 05) **Pareek A.:** *Seed Technology*, Vardhaman Mahaveer Open University, Kota, DGA-06.
- 04) **Pareek A.:** *Jeev Vigyan (Prani Vigyan & Vanaspati Vigyan)*, Vardhaman Mahaveer Open University, Kota. BBI.
- 03) **Pareek A.:** *Prayogik Jeev Vigyan*, Vardhaman Mahaveer Open University, Kota. BBI.
- 02) **Pareek A.:** *Cell, Molecular Biology and Biotechnology*, Vardhaman Mahaveer Open University, Kota. MZO-02.

01) **Pareek A.:** *Cell Biology, Genetics, Biostatistics and Computational Biology*, Vardhaman Mahaveer Open University, Kota. MBO-03.

CHAPTERS

- 9) Vashishth A., **Pareek A.**, Purohit S.G., Kasvan., and Singh N. (2025). Effect of herbal supplements *Prosopis cineraria* (Khejri) and *Spirulina* on muscle mass, skeletal muscle mass, and fat-free mass in cricket players. *Sports ergonomics, Design Science and Innovation*, Springer Nature Singapore Pte Ltd.
- 8) Mishra N., Chouhan Y., Menghani E., and **Pareek A.** (2023). Pharmacological Activities of *Manilkara hexandra* (Roxb.) Dubard: A Comprehensive Review. *Phytochemistry and Pharmacology of Medicinal Plants, 2-volume set*, 34.
- 7) **Pareek A.** (2020). In vitro cultivation strategies used for ten medicinal plant species of family sapotaceae, A review. *National Publisher*. ISSN/ISBN No. 978819424564 3
- 6) Kumawat P.K., Krusheed S.M.N., Shekhawat I., and **Pareek A.** (2016). Plant cell death: Rumens-induced stress on plant in ruminant herbivores in *Technological Advancements in Plant Sciences*, 143-160, Nova Publications, New York.
- 5) Saraswat P., **Pareek A.**, Bhandari A. (2012). *Nucleic Acids as Therapeutics*. From Nucleic Acids Sequences to Molecular Medicine, RNA Technologies, Edited by V.A. Erdmann and J. Barciszewski, 05/2012: chapter Nucleic Acids as Therapeutics: pages 20-45; Springer-Verlag Berlin Heidelberg 2012., ISBN: 78-3-642-27425-1, DOI:10.1007/978-3-642-27426-82.
- 4) **Pareek A.** (2008). *Algal flora of Rajasthan*. Conserving Biodiversity of Rajasthan (With an emphasis on wild fauna and flora), Edited by Ashok Verma, 01/2008: chapter Algal Flora of Rajasthan: pages 311-324; Himanshu Publications, Udaipur., ISBN: 978-81-7906-125-5.
- 3) **Pareek A.**, Sharma A., and Srivastava P. (2007). *Iron availability: Spirulina in the treatment of anaemia*. Plant Morphology and Biotechnology, Edited by P.C. Trivedi, 01/2007: chapter Iron availability: spirulina in treatment of anaemia; Avishkar Publications, Jaipur., ISBN: 978-81-7906-125-5.
- 2) **Pareek A.**, Vyas D., and Srivastava P. (2005). *Hypoglycaemic Impact of Spirulina in Hyperglycemic (NIDDM) Patients*. Herbal Medicine: Traditional Practices, Edited by P.C. Trivedi, 01/2005: chapter Hypoglycaemic Impact of Spirulina in Hyperglycemic (NIDDM) Patients; Avishkar Publishers, Jaipur., ISBN: 81-7910-152-5
- 1) **Pareek A.** (2001). *Spirulina: The Millennium Gift for Rajasthan*. Algal Biotechnology, Edited by P.C. Trivedi, 01/2001: chapter *Spirulina: The millennium gift for Rajasthan*: pages 376-382; Pointer Publishers, Jaipur., ISBN: 81-7132-286-7.

STUDENTS MENTORED IN RESEARCH

Current Ph.D. Students (Registered): M.D.S. University, Ajmer, Rajasthan, India.

- 1) **Tanish Rajput:** Ph.D. course work in progress. **2025.**
- 2) **Shivika Mishra:** Ph.D. course work in progress. **2025.**
- 3) **Ishita Kumawat:** Ph.D. course work in progress. **2025.**
- 4) **Laxmi Jatoliya:** Ph.D. course work in progress. **2025.**

- 5) **Jitendra Yadav:** Ph.D. course work in progress. **2025.**
- 6) **Ankita Khorwal:** Optimization of Mass Culture Technique of *Dunaliella* Sp. For Optimum Yield and Carotenoid Content. **2024.**
- 7) **Pramila Prajapat:** Impact of Carotenoids from *Dunaliella* Sp. on the Parkinson's Disease using *Caenorhabditis Elegans*. **2024.**
- 8) **Sanjay Saini:** Effects of *Martynia annua* Linn. Fruit Extract on Antioxidant Activity and Life-Span Assay of *Caenorhabditis Elegans*. **2024.**

Ph.D. Students (Awarded).

- 1) **Dr. Sapna Jain:** Assessment of Biodegradation of Polythene by Colonized Cyanobacterial Biofilms on Polythene Debris. M.D.S. University, Ajmer, Rajasthan, India. **2025.**
- 2) **Dr. Manju Parihar:** Diatom Flora of Ana Sagar Lake, Ajmer (Rajasthan). M.D.S. University, Ajmer, Rajasthan, India. **2025.**
- 3) **Dr. Indu Shekhawat:** Effects of heat & nutritional stress on growth, reproductive performance, and embryo production in Malpura Ewes. Meawar University, Chittorgarh, Rajasthan, India. **2016.**
- 4) **Dr. Monica Soni:** Development of diagnostic tool for diabetes insipidus using Functional Protein Sequences. Meawar University, Chittorgarh, Rajasthan, India. **2016.**
- 5) **Ankita Saxena:** Effect of various fungal species on biodegradable polythene heaps around water bodies and their roles in bio- degradation of polythene. Meawar University, Chittorgarh, Rajasthan, India. **2019.**
- 6) **Neha Mishra:** Micropropagation of *Mimusops hexandra* (Roxb.) and its phytochemical studies. Meawar University, Chittorgarh, Rajasthan, India. **2022.**

Former M.Phil. Students (Awarded):

1. **Dimple Punia:** Studies on the Biochemical characterization of groundnut (*Arachis hypogaea*L.) under drought stress conditions. The Global Open University, Nagaland.
2. **Himakshi Bhati:** Extraction and estimation of lipid contents of algae from various regions of Kota, Rajasthan. Vinayaka Mission University, Salem, Tamil Nadu. **2009.**
3. **Mamta Sharma:** Possible biodegradation of polythene waste: a survey of Kota region for algal flora growing on polythene waste. Vinayaka Mission University, Salem, Tamil Nadu. **2008.**
4. **Vinod Kumar Sharma:** Survey and collection of freshwater algae from Jaipur and its surrounds. Periyar University, Periyar Institute of Distance Learning (PRIDE), Salem, Tamil Nadu. **2007.**
5. **Girdhari Lal Sharma:** Desmids of Jaipur. Periyar University, Periyar Institute of Distance Learning (PRIDE), Salem, Tamil Nadu. **2007.**
6. **Balram Sharma:** Simple mud pod technique for the treatment of wastewater from Sangner dyeing industry using algae. Periyar University, Periyar Institute of Distance Learning (PRIDE), Salem, Tamil Nadu. **2007.**

SERVICE

M.D.S. UNIVERSITY, AJMER COMMITTEES

- 2025-Present:** Chief Proctor.
2025-Present: Prithvi Raj Sodh Kendra
2023- Present: In charge, Pharmacy Department.
2022- Present: In charge, Maths Department.
2019-2024: Chief Proctor.
2017-Present: Convener Board of Studies; Botany.
2017-2019: Former Dean of Student Welfare.
2022: Coordinator, Sanvidhaan Park.

EXPERT COMMITTEE MEMBER

- 2014:** Member of CDC for PG course of Botany; Vardhaman Mahaveer Open University, Kota, Rajasthan, India, 324021.
2007-2009: The development of curriculum and study material for B.Sc. Biotechnology; Vardhaman Mahaveer Open University, Kota, Rajasthan, India, 324021.
2008-2009: External invitee member of COC for Life Sciences; Kota University, Kota, Rajasthan, India, 324021.

EDITORIAL BOARD MEMBER

- Associate Editor:** The Journal of Phytological Research.
Member: Journal of Applied Sciences, Journal of Biological Sciences, and Pakistan Journal of Biological Sciences.

SERVICE/SYNERGISTIC ACTIVITIES

- International Conference: Organizing Secretary,** Innovative Research on Plant-based Nutraceuticals and Therapeutics at MDS University, Ajmer, India, February 10-11, 2025.
Workshop: Joint Secretary, International workshop on “*Arthrospira* mass production in rural areas of tropical countries” at MSSS, Burchal, Jaipur, India from 22nd to 27th October 2007, under the auspices of UNESCO, IGB, and TWAS in the frame of the UNESCO/IBSP project 1-DE-09
Workshop: Organizing Secretary, the Workshop on Biotechniques held at Mahatma Gandhi Institute of Applied Sciences, Jaipur on 8 –11th Jan. 2007 under the auspices of Department of Science and Technology, Government of Rajasthan, Jaipur.
Symposium: Organizing Secretary, National Symposium on Biotechnology in 21st Century: Challenges Ahead and New Towards Food Security, held at Mahatma Gandhi Institute of Applied Sciences, Jaipur on 23rd–24th Dec. 2005 under the auspices of Department of Biotechnology, Government of India, New Delhi and Department of Science and Technology, Government of Rajasthan, Jaipur
Symposium: Organizing Secretary, National Symposium on Recent Advances in Biosciences After 50 Years of DNA Double Helix, held at Mahatma Gandhi Institute of Applied Sciences,

Jaipur on 25th Nov. 2003 under the auspices of Department of Science and Technology, Government of Rajasthan, Jaipur.

WORKSHOPS/TRAINING PROGRAMMES

- 1) Completed certification course on Nutrition, Exercise, and Sports. Wageningen University and Research. (December 26, 2022).
- 2) Participated in the Professional Developmental Program on Implementation of NEP-2020 for University and College Teachers (17-25 October 2022).
- 3) Participated in a Refresher course on Biotechnology and modern molecular biotechniques, at Manipal Life Science Centre, Manipal (11- 23 January. 2010).
- 4) Attended “Faculty Development Program on Intellectual Property Rights” at IIT, New Delhi (6-10 July 2009).
- 5) Completed the Refresher Course with A grade at UGC Academic Staff College, Jai Narain Vyas University, Jodhpur (24th July-12th Aug.2007).
- 6) Participated in a three-day Workshop on “Low-cost Biological Techniques Based on UGC Syllabus” at Government College, Ajmer (26-28th Feb. 2007)
- 7) Attended the workshop on “Self-learning material preparation”, organized by STRIDE, VMOU, Kota at Regional Center Jaipur (11th Feb. 2007).
- 8) Completed the Orientation Course with A Grade at UGC Academic Staff College, University of Rajasthan, Jaipur (24th Jan. – 19th Feb. 2005).
- 9) Participated in a three-day Workshop cum Training Program on "Bioinformatics: Biological Sequence Analysis & Protein Structure Prediction" at Bioinformatics Centre, Birla Institute of Scientific Research, Jaipur (Dec. 2002).
- 10) Completed the training program on “Mass Production of Microalgae” at IARI, New Delhi (Sept. 1998).

INVITED SEMINARS/TRAINING PROGRAMMES

- 1) Bharat Digital Academy, One-month certification course on AI tools and ChatGPT for Research Data Analysis and Visualization. March 23-April 21, 2024.
- 2) XLV All India Botanical Conference by The Indian Botanical Conference. Climate Change: Biodiversity, Adaptation, and Mitigation. October 14-16, 2022.
- 3) Udemy, Certification in Data Science for Sports- Sports Analytics and Visualization. April 13, 2022.
- 4) Edux Labs (Esoir Business Solution LLP), Three weeks Faculty Development Program on Applied AI and Deep Learning in Healthcare Data Analysis. March 27-April 12, 2023.
- 5) International Conference on Environment and Human Health. Department of Zoology, MSJ Government College, Bharatpur, Rajasthan, India. 11-12, March 2022.
- 6) Gyan Ganga Sort term training Program, (Jan. 25-31).
- 7) Gyan Ganga Sort term training Program. Algae: One solution for many problems. (January 18, 2021).
- 8) National Webinar on Plants as Immunomodulators in COVID-19 (June 22, 2020).
- 9) National Symposium on Animal Behavior, focal them (March 5-6, 2020).

- 10) The International Conference on Photobiology (May 8-9, 2019).
- 11) The 2nd International Conference on Innovative Research (April 20-21, 2019).
- 12) International (within Country) ICMBDT-2019 (March 8-10, 2019).
- 13) National Conference on Recent Trends and Advances in Environmental Issues, Awareness and Health. Fungal flora, water bodies of Jhansi. November 17-18, 2017.
- 14) The National Conference on Basic Biology is the core of Biotechnology NCBBCB (October 30-31, 2017).
- 15) UGC-sponsored Student seminar on Natural resources. Rich Indian Traditions of Environmental Conservation. (September 19-20, 2017).
- 16) National conference on Env. pollution, and health hazards (Dec. 11-12, 2015).

JUDGMENT AND ADVISORY PANEL

National Symposium on Animal Behavior Focal Theme: Avian Ethology. 43rd Annual Conference of the Ethological Society of India (ESI).

PRESENTATIONS AT NATIONAL AND INTERNATIONAL CONFERENCES

- 1) XLVIII All India Botanical Conference of IBS and International Symposium on Biology and Biotechnology of Plant Diversity for Bioeconomy. Northeastern Hill University, Shillong, India. October 29-31, 2025. Talk
- 2) XLVII All India Botanical Conference on Biotic curiosities and functional diversity across plant kingdom in climate change regime. Chaudhary Charan Singh University, Meerut, Uttar Pradesh, India. October 16-18, 2024. Talk
- 3) XLVI All India Botanical Conference of IBS. October 04-06, 2023.
- 4) Concurrent training and supplementation effect on body composition and physical fitness of combat athletes. 20th International conference on Humanizing Work and Work Environment 2022. 24-26, November 2022.
- 5) XLIV All India Botanical Conference of IBS (October 18-20, 2021).
- 6) XLIII All India Botanical Conference of Indian Botanical Society (March 19-21, 2021).
- 7) Plants as Immunomodulators in Covid-19 Pandemic. Department of Botany, Ranchi Women's College, Society for Plant Research (Vegetos). Springer. June 22, 2020.
- 8) XLII All India Botanical Conference of Indian Botanical Society. Optimization of growth medium and salt concentration for the growth of *Dunaliella parva* isolated from Sambhar Lake (Rajasthan, India (November 6-8, 2019).
- 9) International Conference on Photobiology, Phytochemistry, and Plant Biotechnology. May 8-9, 2019.
- 10) The International Conference on Molecular Basis of Diseases and Therapeutics (ICMBDT-2019). Central University of Rajasthan, Ajmer, India. 2019.

- 11) XLI All India Botanical Conference of the Indian Botanical Society. Jiwaji University, Gwalior (October 25-27, 2018).
- 12) The National Conference on recent trends and advances (Nov. 17-18, 2017).
- 13) National Hindi Science Conference, Jaipur (December 16-17, 2016).
- 14) National Conference on Environmental Challenges, Human Health and Society (September 8-10, 2016).
- 15) National Conference on Environmental Pollution, Health Hazards and Prevention NCEPHHP-2015. University Grants Commission. December 11-12, 2015
- 16) National Conference on Environment: Ancient and Modern Prospective and Annual Meetings of Society for Science and Environment (December 4-6, 2014).
- 17) National Symposium on green economy & harnessing, Jaipur (July 12, 2014).
- 18) National Conference on Environmental issues, toxicology, and Exposure Science, University Grants Commission (September 20-21, 2013).
- 19) National XXXIV ICGS conference on Gandhian values (Feb.3-5, 2012).
- 20) National Conference on Secure Data Communication and Networks. Use of Chimera tool to study three-dimensional structure of drugs (March 30-31, 2011).
- 21) National Conference on Env poll. - A threat to our (Feb. 15-16, 2011).
- 22) National symposium on advanced and current developments in Chemical Research (March 26-27, 2011).
- 23) 21stmidterm meeting of Indian Academy of Sciences, at IISc Bangalore (July 1-3, 2010).
- 24) XXIX All India Botanical Conference and National Symposium on Emerging trends in Plant biology, environment protection and Biotechnology. October 9-11, 2006.
- 25) National Seminar on Biotechnology in sustainable agriculture and environmental management, Department of Botany, University of Rajasthan, Jaipur (November 7-8, 2008).
- 26) National Seminar on Inventory of Biodiversity as a primary databank and 4thProf.L.S. Ramaswamy memorial lecture series, Department of Zoology, MDS University, Ajmer (March 10-11, 2008).
- 27) National Symposium on Recent Advances in Phycology: From Molecule to Ecosystem, at Punjab University, Chandigarh (November 14-16, 2007).
- 28) Annual conference of Indian Botanical Society, M.L.S. University Udaipur, (October 2006).
- 29) National Symposium on Biotechnology for sustainable agriculture and conservation of biodiversity, Department of Botany, University of Rajasthan, Jaipur (March 24-25, 2006).
- 30) National Symposium on Role of Biotechnology in 21stcentury: Challenges ahead and new advances towards food security, Mahatma Gandhi Institute of Applied Sciences, Jaipur (Dec.23-24, 2005).
- 31) National Symposium on Biotechnology for Food, Health and Environmental Security, Department of Botany, University of Rajasthan, Jaipur (March 3-4, 2005).

- 32) 92nd Session of Indian Science Congress, Nirma University, Ahmedabad (January 3-7, 2005).
- 33) First Annual Research Seminar on Keola Deo National Park, Bharatpur (Dec. 22-23, 2004).
- 34) Seventy-fourth annual session of "The National Academy of Sciences, India", BISR and University of Rajasthan, Jaipur (December 2-4, 2004).
- 35) National Symposium on Biotechnology for Human Welfare: The Commercial and Ethical Consideration, Department of Botany, University of Rajasthan, Jaipur (March 26-27, 2004).
- 36) Meeting of Central Zone Chapter of Indian Phyto pathological Society and National Seminar on Biotechnological Approaches for the Management of Plant Diseases, Agarwal P.G. College, Jaipur (Jan. 30-31, 2004).
- 37) National Seminar on Applications of Biotechnology, Shri Bhagwan Das Todi College, Lachhman Garh, Sikar (Jan. 23-24, 2004).
- 38) National Seminar on Recent Advances in Biosciences after 50th Years of DNA Double Helix, Mahatma Gandhi Institute of Applied Sciences, Jaipur (Nov. 25th, 2003).
- 39) National Symposium on Medicinal Plants: Biodiversity Conservation, Export Potential & Intellectual Property Rights, Department of Botany, University of Rajasthan, Jaipur (March 28-29, 2003).
- 40) Silver Jubilee Conference of Indian Botanical Society and National Symposium on Biosciences: Advances, Impact & Relevance, MJP Rohilkhand University, Bareilly (October 27-29, 2002) (Presented a paper that was considered for Young Botanist Award).
- 41) 88th Session of Indian Science Congress, IARI, New Delhi (January 3-7, 2001).
- 42) National Symposium on A Decade of Algal Research in India: Biotechnological Approaches, Department of Botany, University of Rajasthan, Jaipur (March 23-25, 2001).
- 43) 23rd All India Botanical Conference and National Symposium on Microbes and Human Welfare, Ch. Charan Singh University, Meerut (October 14-16, 2000).
- 44) National Seminar on Uchch Shiksha: Dasha and Disha, University of Rajasthan, Jaipur (July 21, 2000).
- 45) National Seminar on Science, Society and Challenges in New Millennium, University of Rajasthan, Jaipur (March 24, 2000).
- 46) National Symposium on Plant Biodiversity Conservation: Challenges for the New Millennium, Department of Botany, University of Rajasthan, Jaipur (March 11-12, 2000).
- 47) 87th Session of Indian Science Congress, University of Pune, Pune (January 3-7, 2000).
- 48) 22nd All India Botanical Conference, Mithi Bai College, Vile-Parle (West), Mumbai-400 056 (October 23-25, 1999) (Presented paper was adjudged for the best paper award).

AFFILIATIONS

- 1) Indian Science Congress Association (ISCA).
- 2) Indian Botanical Society (IBS).

- 3) Phycological Society of America (PSA)
- 4) Indian Phycological Society.
- 5) Association of Sports, Nutrition, and Fitness Sciences (ASNFS).
- 6) Society for Plant Research.
- 7) Phytological Society
- 8) Rajasthan State Medicinal Plant Board.

(Professor Arvind Pareek)