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## Research Interest

Kunal Jain is working in Environmental Microbiology since last fifteen years, trying to understand microbial behaviour in an anthropogenic ecosystem. He is trying to develop possible energy-efficient biological methods for eliminating synthetic xenobiotic compounds from environmental (terrestrial and aquatic) compartments by providing scientific support for the transfer of these methods into practice.

## Education

Degree	Specialization	University / College
Doctor of Philosophy (Ph.D.)	Microbiology	Sardar Patel University Vallabh Vidyanagar Gujarat, India
Master of Science (M.Sc.)	Microbiology	Sardar Patel University Vallabh Vidyanagar Gujarat, India
Bachelor of Science (B.Sc.)	Microbiology	V.P and R.P.T.P Science College (Sardar Patel University) Vallabh Vidyanagar Gujarat, India

## Awards / Fellowship

1. Awarded Council of Scientific and Industrial Research – Senior Research Fellowship (CSIR-SRF) for the Year 2010 by CSIR, Government of India, New Delhi

## • List of Publications

1. Avani B. Patel, **Kunal R Jain**, Vipin Gupta, Rup Lal, Datta Madamwar. (2026). Structural and functional responses of microbial communities in coastal sediments towards anthropogenic pollution caused by ship breaking activities. *Marine Environmental Research*. 213: 107665.
2. Aaron Robinson, Abdoul R. Sare, Abdulmalik A. Oladipupo, Adrien Vigneron, Ahmed A. Shibl, Alejandro De Santiago, Alexander J. Probst, Ali Navid, Alice C. McHardy, Alicia Clum, Alison Buchan, Alison Murray, Alla Lapidus, Amanda Araujo Serrao de Andrade, Andreas Bremges, Archana Anand, Ashvini Chauhan, Avishek Dutta, Bablu Kumar, Bela Hausmann, Benoit Chassaing, Braden T. Tierney, Brian P. Hedlund, Bridget Chalifour, Buck T. Hanson, Carly Muletz Wolz, Cassandra L. Ettinger, Chongle Pan, Chris Robinson, Christian Hodar Quiroga, Christine Moissl-Eichinger, Christopher Hunter, Christopher Schadt, Christos Ouzounis, Craig W. Herbold, Cristal Zuniga, Cruz Mercedes Cecilia, Curtis Huttenhower, D. Lee Taylor, Daniel McDonald, Daniel D. Sprockett, Daniel P. Schachtman, Dennis J. Zhang, Dennis Metzger, Devin Coleman-Derr, Dominik Merges, Donald M. Walker, Donovan H. Parks, Durgesh Kumar Jaiswal, E. Anders Kiledal, Edoardo Pasolli, Eduardo Vinicius Kuhn, Elisha Wood-Charlson, Elliott Barnhart, Emanuele Chisari, Emilie J. Skoog, Emily B. Graham, Emily F. Wissel, Emily R. Davenport, Emily St. John, Eric Cavanna, Erica Young, Erika Ganda, Federico M. Lauro, Francesco Asnicar, Francisca E. Rodriguez, Francisco Dini-Andreote, Frederik Artz, Frederik Bak, Frederik Schulz, Gabriela Canto-Encalada, Gareth Trubl, Grace Pold, Gregorio Iraola, Hanareia Eha-Taumaunu, Heather R. Skeen, Hermes Hernan Bolivar-Torres, Hinsby Cadillo-Quiroz, Holly M. Bik, Imelda Forteza, Ishi Keenum, Iyanu Oduwole, Jaci Saunders, Jack A. Gilbert, Jada Daniels, James R. Henriksen, Janani Hariharan, Jason A. Rothman, Jaume Puig, Jeffrey Kimbrel, Jesús Mercado-Blanco, Jiarong Guo, Joao Carlos Setubal, Joel F. Swift, Johannes R. Krause, Jonathan L. Klassen, Jordan E. Bisanz, Jorge L. Mazza Rodrigues, Jose L. Balcazar, Josh D. Neufeld, Brooke E. Sykes, Joy Watts, Judson Van Wyk, Justine Debelius, Kaelan J. Prime, Karthik Anantharaman, Karthik Raman, Katherine D. McMahon, Kelly Goodwin, Kent Pham, Keren Yanuka-Golub, Kevin S. Myers, Krista A. Ryon, Kristen Peach, **Kunal R. Jain**, L. M. Ward, Leah Johnson, Leandro Nascimento Lemos, Lee Ann McCue, Lennel A. Camuy-Vélez, Levi Waldron, Lilian Caesar, Liping Zhao, Lisa Karstens, Lorena Rodriguez-Rubio, Maite Muniesa, Maneesh Dave, Marc W. Van Goethem, María Dolores Ramos Barbero, Maria Pachiadaki, Mariana Lozada, Marie Kroeger, Mark McCauley, Mark A. Miller, Matthew Grisnik, Matthew Kellom, Melissa A. Cregger, Mia Howard, Michael Poulsen, Michelle A. Allen, Mireia Valles-Colomer, Mitiku Mihiret Seyoum, Moamen M. Elmassry, Montana Smith, Mostafa S. Elshahed, Natascha Varona, Neslihan Tas, Nicholas J. B. Brereton, Nicola G. Kriefall, Nicola Segata, Noha H. Youssef, Ozge Eyice, Paul D. Cotter, Peter J. Turnbaugh, Petra Pjevac, Phillip B. Pope, Pilar Junier, Pratyay Sengupta, Pubudu P. Handakumbura, Rebecca A. Reiss, Reese Saho, Reid Longley, Renato Augusto Corrêa dos Santos, Rhiannon Mondav, Richard Allen White III, Rob Knight, Robert J. Gruninger, Roland C. Wilhelm, Rosanna 'Anolani Alegado, Samantha N. Miller, Sara L. Jackrel, Sarahi L. Garcia, Sarai S. Finks, Sean P. Jungbluth, Sehyun Oh, Sergio E. Baranzini, Sergio Sanchez-Carrillo, Shane Roesemann, Sierra Moxon, Sigmund Jensen, Sneha Couvillion, Stephania L. Tsola, Stephanie A. Yarwood, Sunil Mundra, Susan H. Brawley, Suzanne Hodgkins, Sydney Chen, Tanja Woyke, Theodore M. Nelson, Thomas Mock, Tyler Myers, W. Judson Hervey, William Boulton, William Nelson, Winston E. Anthony, Xiao Jun A. Liu, Xuefeng Peng, Yaqi You, Ying Zhang, Yun Kit Yeoh & Zachary M. Burcham. (2025). STREAMS guidelines: standards for technical reporting in environmental and host-associated microbiome studies. *Nature Microbiology* 10(12): 3059–3068.
3. Kiran Kirdat, Umera Patwekar, **Kunal Jain**, Malad Mubarak, Pradeep Choudhary, Lucky Thakkar, Vipool Thorat, Datta Madamwar, Tushar Lodha, Amit Yadav. (2025). Genomic insights into *Neopusillimonas aestuarii* sp. nov., a novel estuarine bacterium with adaptations for ectoine biosynthesis and stress tolerance. *Antonie Van Leeuwenhoek*. 118(6): 82.

4. Graham, E. A.P. Camargo, R. Wu, R. Neches , M. Nolan , D. Paez-Espino, J. Blanchard, N. Kyrpides, J. Jansson, J. McDermott, K. Hofmockel, X. Jun, J. Rodrigues, Z.B. Freedman, P. Baldrian, M Štursová, K. DeAngelis, S. Lee, F. Godoy-Vitorino, Y.K. Yeoh, H. Cadillo-Quiroz, S. Tringe, A. Chauhan, D. Cowan, M. Van Goethem, T. Woyke, N. Dove , K. Konstantinidis, T. Juenger, S. Hart , D. Myrold, B. Bohannan, M. Schmer, N. Palmer, K. Nüsslein, T. Makhalyane, K. Dynarski, N. Taş, G. Nicol, C. Hazard, E. Scully, **Kunal R. Jain**, Datta Madamwar, A. Bissett, P. Constant, R. Oliveira, C. Takacs-Vesbach, M. Cregger, A Carrell, D. Klingeman, N. Pietrasiak. (2024). A global atlas of soil viruses reveals unexplored biodiversity and potential biogeochemical impacts. *Nature Microbiology*. 9: 1873-1883.
5. Jenny Johnson, **Kunal R. Jain**, A Patel, Nidhi Parmar, C. G. Joshi, Datta Madamwar. (2024). Chronic industrial perturbation and seasonal change induces shift in the bacterial community from gammaproteobacteria to betaproteobacteria having catabolic potential for aromatic compounds at Amlakhadi canal. *World Journal of Microbiology and Biotechnology*. 40(2): 52.
6. **Kunal R. Jain**, Chirayu Desai, ED van Hullebusch, Datta Madamwar (2023). Editorial: Advanced bioremediation technologies and processes for the treatment of synthetic organic compounds (SOCs), Volume II. *Frontiers in Bioengineering and Biotechnology*. 11: 1224526.
7. **Kunal R. Jain**, Digant Chapla, Amita Shah, Datta Madamwar. (2023). Bacterial mixed cultures followed mixed-order kinetics during mono-azo dye decolourization and degradation in batch studies. Preprint. *bioRxiv*. <https://doi.org/10.1101/2023.04.08.536117>
8. Prachi Singh, **Kunal R. Jain**, J Lakhmapurkar, D Gavali, Chirayu Desai, Datta Madamwar. (2022). Microbial community structure and functions during chronosequence-based phytoremediation programme of Lignite tailing soil. *Environmental Technology & Innovation*. 27: 102447.
9. Avani B. Patel, **Kunal R. Jain**, T Manvar, Chirayu Desai, Datta Madamwar. (2022). Enriched bacterial community efficiently degrade polycyclic aromatic hydrocarbons in soil ecosystem: Insights from a mesocosms study. *Biochemical Engineering Journal* 185: 108516.
10. Dishant Patel, **Kunal R. Jain**, Datta Madamwar, Chirayu Desai. (2022). Phytotechnologies for Bioremediation of Textile Dye Wastewater. In: *Phytoremediation for Environmental Sustainability*. Editor: Ram Prasad. Springer, Singapore. Chapter 10, pp. 251-272.
11. Avani B. Patel, T Manvar, **Kunal R. Jain**, Chirayu Desai, Datta Madamwar. (2021). Metagenomic insights into bacterial communities' structures in polycyclic aromatic hydrocarbons degrading consortia. *Journal of Environmental Chemical Engineering*. 9 (6): 106578.
12. **Kunal R. Jain**, Chirayu Desai, Datta Madamwar, Eric D. van Hullebusch. (2021). Editorial: Advanced Bioremediation Technologies and Processes for the Treatment of Synthetic Organic Compounds. *Frontiers in Bioengineering and Biotechnology*. 9: 721319.
13. Praveen Rahi, Mitesh Khairnar, Ashwini Hagir, Avinash Narayan, **Kunal R. Jain**, Datta Madamwar, Aabeejeet Pansare, Yogesh Shouche. (2021). *Peteryoungia* gen. nov. with four new species combinations and description of *Peteryoungia desertarenae* sp. nov., and taxonomic revision of the genus *Ciceribacter* based on phylogenomics of *Rhizobiaceae*. *Archive of Microbiology*. 203(6): 3591-3604
14. Prachi Singh, **Kunal R. Jain**, Varun Shah, Datta Madamwar. (2021) White Rann of Kachchh harbours distinct microbial diversity reflecting its unique biogeography. *Science of the Total Environment*. 783: 147094.

15. Chirayu Desai, **Kunal R. Jain**, Raj Boopathy, Eric D. van Hullebusch, Datta Madamwar. (2021). Editorial: Eco-Sustainable Bioremediation of Textile Dye Wastewaters: Innovative Microbial Treatment Technologies and Mechanistic Insights of Textile Dye Biodegradation. *Frontiers in Microbiology*. 12: 707083.
16. Rohit Rathour, **Kunal Jain**, Datta Madamwar, Chirayu Desai. (2021). Performance and biofilm-associated bacterial community dynamics of an upflow fixed-film microaerophilic-aerobic bioreactor system treating raw textile effluent. *Journal of Cleaner Production*. 295: 126380.
17. Shabnam Shaikh, **Kunal R. Jain**, Datta Madamwar, Chirayu Desai. (2021). Ecoengineered approaches for the remediation of polluted river ecosystems. In: *Remediation of Heavy Metals*. Springer. Editor: Inamuddin, Mohd Imran Ahamed, Eric Lichtfouse, and Tariq Altalhi. Chapter 10. *In Press*.
18. Mitesh Khairnar, Ashwini Hagir Avinash Narayan, **Kunal Jain**, Datta Madamwar, Yogesh Shouche, Praveen Rahi. (2020). *Rhizobium desertarenae* sp. nov., isolated from the saline desert soil from the Rann of Kachchh, India. Preprint. *bioRxiv*. doi.org/10.1101/2020.07.03.186106.
19. Avani Bharatkumar Patel, Shabnam Shaikh, **Kunal Jain**, Chirayu Desai, Datta Madamwar. (2020). Polycyclic aromatic hydrocarbons: sources, toxicity, and remediation approaches. *Frontiers in Microbiology*. 11: 562813.
20. Sagar Vaidya, Avani Bharatkumar Patel, **Kunal Jain**, Seema Amin, Datta Madamwar. (2020). Characterizing the bacterial consortium ASDF capable of catabolic degradation of fluoranthene and other mono- and poly-aromatic hydrocarbons. *3 Biotech*. 10: 491.
21. Shivani Amin, Rajesh P. Rastogi, Mukesh Ghanshyam Chaubey, **Kunal Jain**, Jyoti Divecha. (2020). Degradation and toxicity analysis of a reactive textile diazo dye-Direct red 81 by newly isolated *Bacillus* sp. DMS2. *Frontiers in Microbiology*. 11: 576680
22. **Kunal Jain**, Jenny Johnson, Neelam Devpura, Rohit Rathour, Chirayu Desai, Onkar Tiwari, Datta Madamwar. (2020). Emerging bioremediation technologies for the treatment of wastewater containing synthetic organic compounds (SOCs). In: *Emerging Technologies in Environmental Bioremediation*. Elsevier Inc. Editors: Maulin Shah, Susana R. Couto, Sevinc Sengor. Chapter 5. pp 131-150.
23. **Kunal Jain**, Chirayu Desai, Onkar Tiwari, and Datta Madamwar. (2020). Dyes: effect on the environment and biosphere and their remediation constraints. In: *Microbial Bioremediation & Biodegradation*. Editor: Maulin Shah. Springer Nature Singapore Pte Ltd. Chapter 3. pp 73-94.
24. Avani B. Patel, Shilpi Singh, Aaishwarya Patel, **Kunal Jain**, Seema Amin, Datta Madamwar. (2019). Synergistic biodegradation of phenanthrene and fluoranthene by mixed bacterial cultures. *Bioresource Technology*. 284: 115-120.
25. Rohit Rathour, **Kunal Jain**, Datta Madamwar, Chirayu Desai. (2019). Microaerophilic biodegradation of raw textile effluent by synergistic activity of bacterial community DR4. *Journal of Environmental Management*. 250: 109549.
26. Rohit Rathour, Vidhi Kalola, Jenny Johnson, **Kunal Jain**, Datta Madamwar, Chirayu Desai. (2019). Treatment of Various Types of Wastewaters Using Microbial Fuel Cell Systems. In *Microbial Electrochemical Technology – Sustainable Platform for Fuels, Chemicals and Remediation*. Editors: Venkata Mohan, Sunita Varjani, Ashok Pandey. Elsevier. Chapter 4.4, pp: 665-692.

27. Prachi Singh, **Kunal Jain**, Chirayu Desai, Onkar Tiwari, Datta Madamwar. (2019). Microbial Community Dynamics of Extremophiles/Extreme Environment. Microbial Diversity in the Genomic Era, 323-332. In *Microbial Diversity in the Genomic Era*, Editors: Surjit Das & Hirak Ranjan Dash. Elsevier/Academic Press. Chapter 18, pp: 323-332.
28. Sagar Vaidya, Neelam Devpura, **Kunal Jain**, Datta Madamwar. (2018). Degradation of chrysene by enriched bacterial consortium. *Frontiers in Microbiology*. 9: 1333.
29. Avani B. Patel, Krutika Mahala, **Kunal Jain**, Datta Madamwar. (2018). Development of mixed bacterial cultures DAK11 capable for degrading mixture of polycyclic aromatic hydrocarbons (PAHs). *Bioresource Technology*. 253: 288-296.
30. Avinash Narayan, Vrutika Patel, Prachi Singh, Avani Patel, **Kunal Jain**, K. Karthikeyan, Amita Shah, Datta Madamwar. (2018). Response of microbial community structure to seasonal fluctuation on soils of Rann of Kachchh, Gujarat, India: Representing microbial dynamics and functional potential. *Ecological Genetics and Genomics*. 6: 22-32.
31. Jenny Johnson, **Kunal Jain**, Datta Madamwar. (2017). Functional Metagenomics: Exploring Nature's Gold Mine. In *Current Developments in Biotechnology and Bioengineering*. Volume 2, (Functional Genomics and Metabolic Engineering) Elsevier. Editors: P. Gunasekaran and Ashok Pandey. Chapter 2, pp: 27-43.
32. Sagar Vaidya, **Kunal Jain**, Datta Madamwar. (2017). Metabolism of pyrene through phthalic acid pathway by enriched bacterial consortium composed of Pseudomonas, Burkholderia, and Rhodococcus (PBR). *3 Biotech*. 7(1): 29.
33. Neelam Devpura, **Kunal Jain**, Anand Patel, C. G. Joshi, Datta Madamwar (2017). Metabolic potential and taxonomic assessment of bacterial community of an environment to chronic industrial discharge. *International Biodeterioration & Biodegradation* 123: 216-227.
34. **Kunal Jain**, Chirayu Desai, and Datta Madamwar. (2017). Bacterial Interactions with Chromium and Strategies for the Remediation of Hexavalent Chromium Pollution. In *Handbook of Metal- Microbe Interactions and Bioremediation*. CRC Press Taylor & Francis Group. Chapter 45, pp: 719-729
35. Jenny Johnson, Binal Shah, **Kunal Jain**, Nidhi Parmar, Ankit Hinsu, Namrata Patel, Chaitanya. G. Joshi, Datta Madamwar. (2016). Draft genome sequence of *Paenibacillus* sp. strain DMB5, acclimatized and enriched for catabolizing anthropogenic compounds. *Genome Announcement*. 4(2): e00211-16.
36. Avinash Narayan, **Kunal Jain**, Amita R. Shah, Datta Madamwar. (2016). An efficient and cost-effective method for DNA extraction from athalassohaline soil using a newly formulated cell extraction buffer. *3 Biotech*. 6 (1): 62.
37. Kshama Balapure, **Kunal Jain**, Nikhil Bhatt, Datta Madamwar. (2016). Exploring bioremediation strategies to enhance the mineralization of textile industrial wastewater through sequential anaerobic-microaerophilic process. *International Biodeterioration & Biodegradation*. 106: 97-105.
38. Binal Shah, **Kunal Jain**, Hardik Jiyani, Venkat Mohan, Datta Madamwar. (2016). Microaerophilic Symmetric Reductive Cleavage of Reactive Azo Dye—Remazole Brilliant Violet 5R by Consortium VIE6: Community Synergism. *Applied Biochemistry and Biotechnology* 180 (6): 1029-1042.

39. Binal Shah, **Kunal Jain**, Namrata Patel, Ramesh Pandit, Anand Patel, Chaitanya. G. Joshi, Datta Madamwar. (2015). Draft genome sequence of *Paenibacillus* sp. strain DMB20, isolated from Alang ship-breaking yard, which harbors genes for xenobiotic degradation. *Genome Announcement*. 3(3), e00554-15.
40. Shivani Amin, Binal Shah, **Kunal Jain**, Anand Patel, Namrata Patel, Chaitanya G. Joshi, Datta Madamwar. (2015). Draft genome sequence of *Achromobacter* sp. strain DMS1, capable of degrading polyaromatic hydrocarbons isolated from the industrially perturbed environment of Amlakhadi canal, India. *Genome Announcement*. 3(5): e01264-15.
41. Zeenat Khan, **Kunal Jain**, Ankita Soni, Datta Madamwar. (2014). Microaerophilic degradation of sulphonated azo dye—Reactive Red 195 by bacterial consortium AR1 through co-metabolism. *International Biodeterioration & Biodegradation* 94: 167-175.
42. Kshama H. Balapure, **Kunal Jain**, Sananda Chattaraj, Nikhil Bhatt, Datta Madamwar. (2014). Co-metabolic degradation of diazo dye—Reactive blue 160 by enriched mixed cultures BDN. *Journal of Hazardous Materials*. 279: 85-95.
43. Varun Shah, **Kunal Jain**, Chirayu Desai, Datta Madamwar. (2012). Molecular analyses of microbial activities involved in bioremediation. In *Microorganisms in Environmental Management*. Editors: T. Satyanarayan. B. Johri A. Prakash. Springer Science Ltd., U.S.A. Chapter 11, pp: 221-248.
44. **Kunal Jain**, Varun Shah, Digant Chapla, Datta Madamwar. (2012). Decolorization and degradation of azo dye—Reactive Violet 5R by an acclimatized indigenous bacterial mixed cultures-SB4 isolated from anthropogenic dye contaminated soil. *Journal of Hazardous Materials*. 213: 378-386.
45. Varun Shah, **Kunal Jain**, Chirayu Desai, Datta Madamwar. (2011). Metagenomics and integrative ‘-omics’ technologies in microbial bioremediation: current trends and potential applications. In *Metagenomics: Current Innovations and Future Trends*. Editor: Diana Marco. Horizon Scientific Press, UK. Chapter 12, pp: 211-240.
46. Chirayu Desai, **Kunal Jain**, Bharat Patel, Datta Madamwar. (2009). Efficacy of bacterial consortium-AIE2 for contemporaneous Cr(VI) and azo dye bioremediation in batch and continuous bioreactor systems, monitoring steady-state bacterial dynamics using qPCR assays. *Biodegradation*. 20(6): 813-832.
47. Chirayu Desai, **Kunal Jain**, Datta Madamwar. (2008). Evaluation of in vitro Cr(VI) reduction potential in cytosolic extracts of three indigenous *Bacillus* sp. isolated from Cr(VI) polluted industrial landfill. *Bioresource Technology*. 99 (14): 6059-6069.
48. Chirayu Desai, **Kunal Jain**, Datta Madamwar. (2008). Hexavalent chromate reductase activity in cytosolic fractions of *Pseudomonas* sp. G1DM21 isolated from Cr(VI) contaminated industrial landfill. *Process Biochemistry*. 43 (7): 713-721.

- **List of Compendium/Books**

1. Datta Madamwar, Onkar Tiwari, **Kunal Jain**. (2019). Mapping of research outcome and development of compendium in the area remediation of dye, dye intermediates and textile industrial waste. Co-developed by Department of Biotechnology, Ministry of Science and Technology, Government of India, New Delhi and Sardar Patel University, Vallabh Vidyanagar.
2. Chirayu Desai, Raj Boopathy, **Kunal R. Jain**, Datta Madamwar, Eric D. van Hullebusch, Eds. (2021). Eco-Sustainable Bioremediation of Textile Dye Wastewaters: Innovative Microbial Treatment Technologies and Mechanistic Insights of Textile Dye Biodegradation. Lausanne, Frontiers Media SA. ISSN 1664-8714. ISBN 978-2-88971-380-6.
3. Datta Madamwar, **Kunal R. Jain**, Chirayu Desai, Eric D van Hullebusch, Eds. (2021). Advanced Bioremediation Technologies and Processes for the Treatment of Synthetic Organic Compounds (SOCs). Lausanne, Frontiers Media SA. ISSN 1664-8714. ISBN 978-2-88971-698-2.

### Publication Summary

• No. of Research Articles	:	35
• No. of Reviews	:	01
• No. of Book Chapters	:	10
• No. of Books/Compendium	:	03
• No. of Pre-Prints	:	02

### Publication Impact

• h-index (Google Scholar) (as on March 2026)	:	25
• i10-index (Google Scholar) (as on March 2026)	:	31
• h-index (Scopus) (as on March 2026)	:	22

- **List of Paper Presentations**

1. Presented poster on the work entitled “Microaerophilic metabolism of azo dyes by the bacterial consortium A2 isolated from anthropogenic dye contaminated site” in International Conference on ‘Genomic Sciences and VII Convention of Biotech Research Society, India (Indo-Italian Workshop on Industrial and Pharmaceutical Biotechnology)’ during November 12-14, 2010 at School of Biological Sciences, Madurai Kamraj University, Madurai, India
2. Presented poster on the work entitled “Decolorization and biodegradation of azo dye – Reactive Violet 5R by enriched mixed culture – SB4” in 50<sup>th</sup> Annual Conference – Association of Microbiologist of India on ‘Third Golden Era of Microbiology’ during December 15-18, 2009 at National Chemical Laboratory, Pune, India
3. Presented poster on the work entitled “Evaluation of in vitro Cr(VI) reduction potential in cytosolic extracts of three indigenous *Bacillus* sp. isolated from Cr(VI) polluted industrial landfill” in 3<sup>rd</sup> International Congress on Bioprocess in Food Industries and 5<sup>th</sup> Convention of ‘The Biotech Research Society of India’ during November 6-8, 2008 at Osmania University, Hyderabad, India

4. Presented poster on the work entitled “Hexavalent chromate reductase activity in cytosolic fraction of *Pseudomonas* sp. G1DM21 isolated from Cr(VI) contaminated industrial landfill” in ‘International conference on New Horizons in Biotechnology (NHBT- 2007)’ during November 26-29, 2007 at National Institute for Interdisciplinary Science and Technology (CSIR), Trivandrum, India

## • Student Mentoring

- |                                 |   |    |
|---------------------------------|---|----|
| (1) Summer Trainee              | : | 01 |
| (2) M.Sc. Dissertation Students | : | 08 |
| (3) Ph.D. Students              | : | 08 |

## • Editorial Assignment

1. Associate Editor in *Frontiers in Microbiology*.
2. Co-Guest Associate Editor for Research Topic (Special Issue) on ‘Advanced Bioremediation Technologies and Processes for the Treatment of Synthetic Organic Compounds (SOCs)’ for *Frontiers in Bioengineering and Biotechnology/Frontiers in Microbiology*.
3. Co-Guest Associate Editor for Research Topic (Special Issue) on ‘Eco-Sustainable Bioremediation of Textile Dye Wastewaters: Innovative Microbial Treatment Technologies and Mechanistic Insights of Textile Dye Biodegradation’ for *Frontiers in Microbiology*.

## • List of Workshop Attended

1. Participated in Hands-on-training on “Next Generation Sequencing Data Analysis of Microbial Genomes and Metagenomes” at GSBTM, Gandhinagar, India during November 24-29, 2014.
2. Participated in workshop on “Art of Science Communication” at Sardar Patel University, Vallabh Vidyanagar, India on February 22, 2014.
3. Participated in brief Course on “Genetic Analyzer’ at Start-of the-art genomics training facility at Invitrogen Bioservices India Pvt. Ltd., Bangalore, India during January 23-25, 2013.
4. Participated in Hands-on-training on ‘Metagenomics’ at ‘Winter School of Metagenomics’ during March 06-16, 2009 in the UGC-Networking Resource Centre in Biological Science at School of Biological Sciences, Madurai Kamraj University, Madurai, India.

- **Professional Affiliations**

1. Life Member of ‘Biotech Research Society of India’ (BRSI)
2. Life Member of ‘Association of Microbiologist of India’ (AMI)
3. Life Member of ‘Society of Biological Chemists (India)’ (SBC)
4. Former Member of ‘American Society of Microbiology’ (ASM)
5. Member of ‘The Soil Virosphere Consortium’, An International Forum
6. Member of ‘STREAMS Consortium’, An International Forum
7. Member of ‘SeqCode Community’, An International Forum