

CURRICULUM VITAE



HARSHADA JOSHI

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EDUCATIONAL PROFILE

Name of Examination	Year	University
B.Sc.	1998	MLSU Udaipur
Post Graduation (M.Sc. Biotechnology)	2000	MLSU Udaipur
Ph.D.	2004	MLSU Udaipur

NATIONAL LEVEL EXAMINATIONS QUALIFIED

- JRF-NET (CSIR) June, 2000
- GATE 2000

WORK EXPERIENCE

- Working as permanent faculty in Department of Biotechnology, MLSU, Udaipur from June 2007.
- 15 Years of Teaching and Research Experience

ADMINISTRATIVE EXPERIENCE

- In charge, Department of Biotechnology, MLSU during session 2017-18

RESEARCH WORK AND CONTRIBUTION

A. Ph.D. Thesis

Title: *Study of Antimicrobial Activity of Lactic Acid Bacteria against Pathogenic and Spoilage Organisms*

Supervisor: **Prof. B L Chaudhary**, Chairman, RBSE, Ajmer (Rajasthan) & Ex Vice-Chancellor, Mohanlal Sukhadia University, Udaipur (Rajasthan) India

Year of Award: **2004**

B. Ph.D. Thesis Supervised/Co-Supervised

- *Molecular Typing and Probiotic Attributes of Lactobacilli*
Dr. Hemant Chundawat (CSIR-NET-JRF) 2014
- *Molecular Typing of Lactobacilli associated with Camel Milk in Southern Rajasthan*
Dr. Deepti Khandelwal (NET-LS, JRF in UGC sponsored project) 2015; Co-Supervised with Prof. B L Chaudhary
- *Study of Bacterial Diversity of Fresh Water of Lakes of Udaipur*
Dr. Inu Rawal (CSIR-NET-JRF) 2016; Co-Supervised with Prof B L Chaudhary
- *Isolation and Characterization of Heavy Metal Tolerant Bacteria from Zawar Region of Udaipur and their Use in Bioremediation*
Dr. Ali Asger Bhojiya (NET-LS, UGC-MANF) 2016
- *Production, Purification and Molecular Profiling of Bacterial Glucose Isomerase*
Dr. Sanjay Parihar 2018
- *Study of Plant Growth Promoting Activities of Zinc Tolerant Bacteria*
Ms. Monica Sen (NET-LS, JRF in SERB sponsored project) 2018

C. Ph.D. Students Registered

- *Antibacterial Activity of Bacteriocin Producing Probiotic Lactobacilli*
Ms. Preeti Upadhyay (NET-LS, Registered 2013)
- *Isolation and Characterization of Calcite Solubilizing Bacteria from Marble Waste*
Ms. Sakshi Devda (NET-LS, Registered 2015)
- *Characterization of Oil Degrading Bacteria from Oil Contaminated Sites*
Mr. Kailash Chandra (CSIR-NET-JRF, Joined 2018)

RESEARCH PROJECTS HANDLED

S. No.	Agency	Title/ Scheme	Tenure	Amount (Rs)
01.	UGC New Delhi	Diversity of Lactobacilli Associated with Camel Milk in Southern Rajasthan/ UGC-MRP	1 st July 2011 - 30 th June 2014	10.88 Lakh
02.	SERB, DST, New Delhi	Diversity of Metal Tolerant Bacteria Occurring in Heavily Polluted Soil and Mine Spoil in Zawar, Udaipur (India)/ FAST TRACK YOUNG SCIENTIST SCHEME	6 th July 2012 - 30 th June 2015	13.80 Lakh

RESEARCH PUBLICATIONS:

a. Published Papers in Journals

1. Upadhyay, P. and **Joshi, H.** 2019. Molecular characterization and evaluation of probiotic potential of *Lactobacillus rhamnosus* CW48 isolated from cow milk. J. Emerg. Technologies Innov. Res. ISSN: 2349-5162, UGC Journal no. 63975.
2. Upadhyay, P. and **Joshi, H.** 2019. Study of antibiotic resistance pattern of *Lactobacillus plantarum* CM114 isolated from camel milk. Int. J. Res. Anal. Rev. ISSN: 2348-1269, UGC Journal no. 43602.
3. Preeti and **Joshi, H.** 2018. Assessment of probiotic properties of *Lactobacillus fermentum* CM36 isolated from camel milk. *Intl. J. Food. Ferment. Technol.* 8(1): 75-79. ISSN: 2277-9396
4. Rawal, I., **Joshi, H.** and Chaudhary, B. L. 2018. Water quality assessment using physicochemical and bacteriological parameters of Fateh Sagar lake, Udaipur, India. *Water Resources.* 45(3): 427-435. ISSN: 0097-8078, UGC Journal No. 32832, **Impact Factor 0.388**
5. Rawal, I., **Joshi, H.** and Chaudhary, B. L. 2018. Antibiotic resistance of *Citrobacter* spp. isolated from lakes of Udaipur, India. *World J. Pharma. Research.* 7(5): 1355-1364. ISSN: 2277-7105, UGC Journal No. 47332
6. Parihar, S. and **Joshi, H.** 2018. Screening and production of extracellular alpha – amylase, protease and glucose isomerase from mesophilic *Bacillus licheniformis* GINM-3 isolated from agricultural soil. *World J. Pharma. Research.* 7(4):1417-1428. ISSN: 2277-7105, UGC Journal No. 47332
7. Rawal, I., **Joshi, H.** and Chaudhary, B. L. 2018. Statistical analysis of physico-chemical parameters of water of Pichhola lake of Udaipur (Rajasthan), India. *Asian J. Biochem. Pharma. Research.* 1(8): 13-19. ISSN: 2231-2560, UGC Journal No. 48861
8. Parihar, S. and **Joshi, H.** 2017. Isolation and extracellular screening of glucose isomerase producing bacteria isolated from agriculture soil. *World J. Pharma. Research.* 6(12):816-820. ISSN: 2277-7105, UGC Journal No. 47332
9. Sen, M. and **Joshi, H.** 2017. Characterization of phosphate solubilizing bacteria isolated from mine tailings of Zawar Mines, Udaipur, India. *Int. J. Current Microbiol. Applied Sci.* 6(8):588-596. ISSN: 2319-7706
10. Chaudhary, J., Purohit, S., Jinger, S. and **Joshi, H.** 2016. Thermal and microbial studies of copolymers of acrylonitrile/ acrylamide/ vinyl acetate of N-substituted maleimide. *Int. J. of Chem. and Phy. Sci.* 5(3): 30-36. ISSN: 2319-6602, UGC Journal No. 48283

11. Sen, M. and **Joshi, H.** 2016. Determination of minimum inhibitory concentration and antibiotic susceptibility of zinc tolerant bacteria isolated from mine soil of Zawar mines. Indian. J. Fund. Appl. Life Sci. 6(2): 23-29. ISSN: 2231-6345
12. Bhojiya, A.A. and **Joshi, H.** 2016. Study of potential plant growth-promoting activities and heavy metal tolerance of *Pseudomonas aeruginosa* HMR16 isolated from Zawar, Udaipur, India. Curr. Trends Biotechnol. Pharm. 10(2):161-168. ISSN: 0973-8916, UGC Journal No. 14438
13. Chaudhary, J., Jingar, S., Purohit, S. and **Joshi, H.** 2016. Studies on thermal, microbial behaviours of copoly(azo-maleimide-acrylic acid/vinyl acetate) and terpoly(azo-maleimide-acrylic acid-vinyl acetate): synthesis and characterization. Asian J. Chem. 28(7): 1607-1610. ISSN: 0970-7077, UGC Journal No. 8774
14. Rawal, I., **Joshi, H.** and Chaudhary, B. L. 2016. Isolation, identification and antibiotics resistance of *Aeromonas* spp. from lakes of Udaipur (Rajasthan), India. Asian J. Pharmaceutics. 10(2):132-136. ISSN:0973-8398, UGC Journal No. 8807
15. Bhojiya, A. A. and **Joshi, H.** 2016. Heavy metal tolerance pattern of *Pseudomonas putida* isolated from heavy metal contaminated soil of Zawar, Udaipur (India). Int. J. Inno. Know. Concepts. 2(1):58-64. ISSN: 2454-2415, UGC Journal No. 64094
16. Bhojiya, A. A. and **Joshi, H.** 2015. Identification and functional characterization of *Pseudomonas putida* isolated from heavy metal polluted sites of Zawar, Udaipur. Rev. Microbiol. Ind. San et Environ. 9(1): 20-34. ISSN: 2028-0351
17. Chundawat, H. and **Joshi, H.** 2015. Probiotic potential, antibacterial and antioxidant activities of *Lactobacillus plantarum* CM1. Int. J. Adv. Sci. Engg. Tech. 3(3):127-131. ISSN:2319-5924
18. Sen, M. and **Joshi, H.** 2015. Study of phosphate solubilizing activity of lead tolerant *Pseudomonas aeruginosa* HMT 51 isolated from Zawar mines, Udaipur (India). Research J. Recent Sci. 4: 280-282. ISSN: 2277-2502
19. Chundawat, H. and **Joshi, H.** 2015. Antagonistic effect of *Lactobacillus* isolates from cow milk on selected pathogenic bacteria. Research J. Recent Sci. 4: 173-176. ISSN: 2277-2502
20. Khandelwal, D., **Joshi, H.** and Chaudhary, B. L. 2015. Antagonistic effect of lactobacilli of camel milk against *Aeromonas veronii* isolated from Pichhola lake, Udaipur, Rajasthan, India. Research J. Recent Sci. 4:170-172. ISSN: 2277-2502
21. Rawal, I., **Joshi, H.** and Chaudhary, B. L. 2015. Study of antibiotic resistance pattern of *Escherichia coli* PS 58 isolated from Pichhola lake of Udaipur, Rajasthan, India. Research J. Recent Sci. 4:155-158. ISSN: 2277-2502
22. Bhojiya, A. A. and Joshi, H. 2015. Identification of *Pseudomonas* using probabilistic identification of bacteria (PIB) Software. Research J. Recent Sci. 4:14-18. ISSN: 2277-2502

23. Rawal, I., **Joshi, H.** and Chaudhary, B. L. 2014. Correlation study on physico-chemical parameters for assessment of water quality of Fateh Sagar lake of Udaipur (Rajasthan), India, *The Ecoscan*. 5: 111-119. ISSN: 0974-0376
24. Bhojiya, A. A. and **Joshi, H.** 2014. Characterization and zinc tolerance of *Pseudomonas* isolated from Zawar Mines Udaipur, India, *J. Herb. Med. Toxicol.* 8(1): 62-66. ISSN: 0973-4643
25. Khandelwal, D., **Joshi, H.** and Chaudhary, B. L. 2014. Antibiotic resistance pattern of *Lactobacillus fermentum* CMU29 isolated from camel milk. *J. Herb. Med. Toxicol.* 8(1): 34-36. ISSN: 0973-4643
26. Rawal, I., **Joshi, H.** and Chaudhary, B.L. 2014. Study of water quality of lake Pichhola of Udaipur (India), *J. Herb. Med. Toxicol.* 8(1): 72-75. ISSN: 0973-4643
27. Chundawat, H. and **Joshi, H.** 2013. Isolation, identification and detection of bile tolerance of lactobacilli. *Asian J. Microbiol. Biotechnol. Environ. Sci.* 15 (2): 259-262. ISSN: 0972-3005, UGC Journal No. 8799
28. Khandelwal, D., **Joshi, H.** and Chaudhary, B. L. 2013. Microbial quality of camel milk in Udaipur (Raj.), *Asian J. Microbiol. Biotechnol. Environ. Sci.* 15 (1): 177-179. ISSN: 0972-3005, UGC Journal No. 8799
29. Rawal, I., **Joshi, H.** and Chaudhary, B. L. 2013. Molecular identification of *Escherichia coli* isolated from lakes of Udaipur (Raj.), India. *Asian J. Microbiol. Biotechnol. Environ. Sci.* 15 (1): 129-131. ISSN: 0972-3005, UGC Journal No. 8799
30. Chundawat, H. and **Joshi, H.** 2012. Screening of lactobacilli for bile salt hydrolase activity using PCR. *Int. J. Agri. Food. Sci. Tech.* 3(3):173-175. ISSN: 2249-3050
31. Khandelwal, D., **Joshi, H.** and Chaudhary, B. L. 2012. Molecular identification of lactobacilli isolated from camel milk. *Int. J. Agri. Food. Sci. Tech.* 3(3):170-172 ISSN: 2249-3050
32. Rawal, I., **Joshi, H.** and Chaudhary, B. L. 2012. Isolation, identification and screening of efficiency of phosphate solubilizing bacteria from lakes of Udaipur (Raj.), India. *Int. J. App. Agri. Res.* 7(3):160-163 ISSN: 0974-4754
33. Bhojiya, A.A. and **Joshi, H.** 2012. Isolation and characterization of zinc tolerant bacteria from Zawar mines Udaipur, India. *Int. J. Env. Engg. and Management.* 3 (4):239-242. ISSN: 2231-1319
34. Singhal, K., **Joshi, H.** and Chaudhary, B. L. 2011. Influence of initial concentrations of cholesterol on the uptake of cholesterol by the standard *Lactobacillus* strains and *Lactobacillus* isolates. *IJPI's J. Biotechnol. and Biotherapeutics.* 1(4): 1-6. ISSN: 2229-6824
35. Singhal, K., **Joshi, H.** and Chaudhary, B. L. 2010. Bile and acid tolerance ability of probiotic *Lactobacillus* strains. *J. Global Pharma. Technol.* 2(12): 17-25. ISSN: 0975-8542, UGC Journal No. 28354

36. Singhal, K., **Joshi, H.** and Chaudhary, B. L. 2009. Antimicrobial activity, antibiotic resistance and bile salt hydrolyase activity of *Lactobacillus* spp. Environ. Biol. Conservation. 14:6-9. ISSN: 0971-782X, UGC Journal No. 64726
37. Singhal, K., **Joshi, H.** and Chaudhary, B. L. 2009. Identification of lactobacilli by PIB software. J. Appl. Pure Microbio. 3(1):261-266. ISSN 0973-7510, UGC Journal No. 19449, **Impact factor 0.073.**
38. Singhal, K., **Joshi, H.** and Chaudhary, B. L. 2008. Isolation of bile tolerant lactobacilli and their biochemical characterization. J. Appl. Pure Microbiol. 2(2): 501-505. ISSN 0973-7510, UGC Journal No. 19449, **Impact factor 0.073**
39. **Joshi, H.** and Chaudhary, B. L. 2007. *In vitro* inhibition of toxic bacteria by bacteriocins of *Lactobacillus* strains. J. Herbal Med. Toxicol. 2: 55-56. ISSN: 0973-4643
40. Jat J. L., Salvi V. K., Talesra G. L. and **Joshi, H.** 2006. Synthesis and antimicrobial evaluation of some pyrazolo-thiazolyl alkoxy-1H-isoindole-1, 3(2H)-dione derivatives. J. Sulfur Chem., 27(5) 445-453. ISSN: 1741-5993, UGC Journal No. 10712, **Impact factor 1.101**
41. **Joshi, H.**, Chaudhary, B. L. and Purohit, S. D. 2005. Effect of plant growth regulators and polyamines on *in vitro* shoot multiplication of *Nicotiana tabacum* L. Indian J. Appl. Pure Biol. 20 (2): 145-148. ISSN: 0970-2091, UGC Journal No. 20716
42. **Joshi, H.**, Chaudhary, B. L. and Vij, S. 2004. Effect of culture conditions on antibacterial activity of bacteriocinogenic *Lactobacilli casei*. Asian J. Microbiol. Biotechnol. Env. Sc. 6(4): 563-566. ISSN: 0972-3005, UGC Journal No. 8799
43. **Joshi, H.**, Chaudhary, B. L. and Vij, S. 2004. Inhibition of food-borne bacterial pathogens by bacteriocins from *Lactobacillus* spp. Indian J. Environ. Sci. 8(2): 141-142. ISSN: 0971-8958, UGC Journal No. 47928
44. **Joshi, H.**, Chaudhary, B. L. and Batish, V. K. 2004. Identification of lactobacilli by PCR. Biosci. Research Bull. 20 (1): 19-22. ISSN: 2320-3161, UGC Journal No.14875
45. **Joshi, H.**, Chaudhary, B. L., Vij, S and Batish, V. K. 2004. Inhibitory activity and characteristics of bacteriocin produced by *Lactobacillus casei*. J. Dairying Food Home Sci. 23(2): 126-129. **ISSN: 0971-4456**, UGC Journal No. **7049**
46. **Joshi, H.** and Chaudhary, B. L. 2004. Comparison of methods for detection of antibacterial activity of lactobacilli. Indian J. Appl. Pure Biol. 19 (1): 59-62. ISSN: 0970-2091 UGC Journal No.20716
47. **Joshi, H.**, Chaudhary, B. L. and Vij S. 2003. Factors influencing production of bacteriocin by *Lactobacillus plantarum*. Indian J. Dairy Biosci. 14(1): 24-32. ISSN: 0971-5436
48. **Joshi, H.**, Chaudhary, B. L. and Vij, S. 2003. Study of factors affecting the production of bacteriocin by *Lactobacillus casei*. Pb. Univ. Res. J. (Sci.). 53. 155-161. ISSN: 0555-7631 UGC Journal No. 36925

49. **Joshi, H.**, Chaudhary, B. L. and Vij S. 2003. Factors influencing antibacterial activity of bacteriocinogenic *Lactobacillus plantarum*. Biosci. Research Bull. 19 (2): 87-92. ISSN: 2320-3161, UGC Journal No. 14875
50. **Joshi, H.**, Chaudhary B. L., Batish V. K and Vij S. 2003. Inhibitory activity of bacteriocin produced by *Lactobacillus plantarum*. Biosci. Research Bull. 19 (1): 7-12. ISSN: 2320-3161, UGC Journal No. 14875
51. **Joshi, H.**, and Chaudhary, B. L. 2003. Identification of lactobacilli by biochemical tests using PIB Software. Indian J. Appl. Pure Biol. 18 (2): 179-182. ISSN: 0970-2091, UGC Journal No. 20716

b. Articles/Chapters published in Books

1. Sen, M. and **Joshi, H.** 2015. Isolation and characterization of cadmium tolerant *Cupriavidus* spp. from mine spoil of Zawar Mines, Udaipur (India). In: "Energy Research and environmental Management: An Innovative approach". G. C. Mishra and S. K. Yadav (Eds.) pp. 108-111. Krishi Sanskriti Publications, New Delhi, India. ISBN: 978-81-930585-2-7

c. Full Papers in Conference Proceedings

1. Bhojiya, A. A. and **Joshi, H.** 2014. Plasmid-Mediated Transfer of Heavy metal tolerance gene to *Escherichia coli* isolated from Fateh sagar lake, Udaipur, Rajasthan, India. In: Proceedings of 15th world lake conference."C.Biscarini et al (Eds). pp.9-12. Science4Press, Italy. ISBN: 978-88-965-04-07-9
2. Khandelwal, D., **Joshi, H.** and Chaudhary, B. L. 2014. Antibacterial activity of lactobacilli against *Aeromonas veronii* isolated from Pichola lake, Udaipur, Rajasthan, India. In: Proceedings of 15th world lake conference." C. Biscarini et al (Eds). Pp.16-18. Science4Press, Italy. ISBN: 978-88-965-04-07-9
3. Rawal, I., **Joshi, H.** and Chaudhary, B.L. 2014. Analysis of physical, chemical and bacteriological parameters of Lake Pichhola in Udaipur District (Rajasthan), India In: Proceedings of 15th world lake conference" C. Biscarini et al (Eds). Pp.24-27. Science4Press, Italy ISBN: 978-88-965-04-07-9

BOOKS PUBLISHED

1. **Pharmaceutical Microbiology** (2005) B. L. Chaudhary and Harshada Joshi; Apex Publishing House, Udaipur
2. **Pharmaceutical Biochemistry** (2006) B. L. Chaudhary and Harshada Joshi; Apex Publishing House, Udaipur
3. **Elements of Biochemistry** (2006) B. L. Chaudhary and Harshada Joshi; Apex Publishing House, Udaipur
4. **Pharmaceutical Biochemistry & Clinical Pathology** (2008) B. L. Chaudhary and Harshada Joshi; Apex Publishing House, Udaipur
5. **Pharmaceutical Biochemistry & Clinical Pathology: A Practical Manual** (2009) B. L. Chaudhary and Harshada Joshi; Apex Publishing House, Udaipur

SPECIALIZED TRAINING AND ORIENTATION COURSES ATTENDED

1. Completed the ARPIT **Online Course** for Career Advancement Scheme (CAS) promotion Biotechnology on 25th May 2019 offered by Mohanlal Sukhadia University, Udaipur, Rajasthan
2. Attended DST-NIMAT sponsored Faculty Development Program on “Promotion of Entrepreneurship Amongst Student” from 18th Sept to 1st Oct 2016 organized by Entrepreneurship Development Cell, Mohanlal Sukhadia University, **Udaipur**
3. Attended Faculty Development Programme on “Research Methodology and Data Analysis Using Advanced Statistical Tools” at Pacific University, **Udaipur** from 21st to 27th December, 2014
4. Attended UGC sponsored Refresher Course in Life Sciences at Academic Staff College, Punjabi University, **Patiala** from 17th November to 6th December, 2014
5. Attended UGC sponsored Refresher Course in Life Sciences at Academic Staff College, University of North Bengal, **Siliguri**, Darjeeling from 19th September to 9th October, 2013
6. Attended UGC sponsored Refresher Course in Life Sciences at Academic Staff College, Himachal Pradesh University, **Shimla** from 7th to 26th May 2012
7. Attended 69th Orientation Programme held at Jai Narain Vyas University, **Jodhpur** during 16th November to 12th December 2009
8. Attended training programme on Bacterial Identification Techniques at Prosthete Bacteria and Micrococcus Center, Department of Microbiology, Maharshi Dayanand University, **Ajmer** from 27th to 30th November, 2002
9. Attended training programme on Application of Different Molecular Biology Techniques in Lactobacilli at Molecular Biology Unit, Dairy Microbiology Division, National Dairy Research Institute, **Karnal** from 1st to 31st May, 2002

NATIONAL AND INTERNATIONAL CONFERENCES AND SYMPOSIA ATTENDED

1. National conference on “Green chemistry for clean environment”, Udaipur, 27th July 2019.
2. National conference on “Emerging issues in research and development”, Jodhpur, 3rd February 2019.
3. National seminar on “Industrial Advancement and Academic Research: A Correlation”, Udaipur, 20th March 2018
4. International congress on “Plant Based Natural Products: Phytochemicals, Phototherapeutics and Phytonutraceuticals”, Udaipur, 19th - 21st February 2018
5. Brainstorming Session for Strengthening Inter-disciplinary and Inter-institutional Research in the State of Rajasthan, Udaipur, 12th - 13th January 2018
6. National symposium on “Photosynthesis”, Udaipur, 8th - 9th December 2017
7. Brainstorming Session for Developing and Exclusive Program for Women Scientist in the Field of Geospatial Technology for Training, Skill Development and Employment Generation, Udaipur, 25th - 26th September 2017
8. National conference on “Impact of Pharmaceutical Biotechnology on the Future of Medicine”, Udaipur, 24th - 25th March 2017
9. National seminar on “Genetically Modified Food and Food Security”, Rajkot, 11th February 2017
10. International conference on “Eco Friendly and Socially Responsive Economy and Equity: Issue and Challenges of 21st Century for Emergent Sustainable Developments Amongst SAARC Countries”, Udaipur, 9th - 11th January 2017
11. National conference and workshop on “Green chemistry: Teaching and Technology”, Udaipur 20th October 2016

12. National seminar on “Biodiversity, Conservation and Eco Tourism” Chittorgarh, 27th - 28th September 2016
13. National conference on “Natural Vegetation, Environmental Balance and Plantation”, Udaipur, 25th July 2016
14. National conference on “Recent Advances in Biological Sciences, Biotechnology and Sustainable Development”, Udaipur, 18th - 19th March 2016
15. The 6th World Congress on Biotechnology, New Delhi, 5th - 7th October 2015
16. International Conference on “2015 NextGen Genomics, Biology, Bioinformatics and Technologies”, Hyderabad, 1st - 3rd October 2015
17. International conference on “Antimicrobial resistance, novel drug discovery and development: Challenges and opportunities”, New Delhi, 2nd - 3rd March 2015
18. 2nd International conference on “Applied Sciences, Environmental Engineering and Energy Technology for Sustainable Development”, New Delhi, 14th - 15th February 2015
19. 5th International conference on “Climate change and sustainable management of natural resources”, Gwalior, 9th - 11th February 2015
20. 4th International science congress on “Global Research: Enhancement, reforms and commercialization”, Udaipur, 8th - 9th December 2014
21. National conference on “Climate Change and Environment”, Udaipur, 23rd - 24th December 2013
22. 1st Rajasthan science congress on “New frontiers of science and technology and innovation for development in Rajasthan”, Jaipur, 11th - 13th May 2013
23. International conference on “Managing change in business and economy”, Udaipur, 6th - 7th April 2013
24. 19th ISCB International conference entitled “Recent advances and current trends in chemical and biological sciences”, Udaipur, 2nd - 5th March 2013
25. A lecture workshop on “Frontiers in cell and molecular biology”, Udaipur, 14th - 15th February 2013
26. International conference on “Agriculture, Foods Sciences & Environmental Technology for Sustainable Global Development”, New Delhi, 28th - 29th October 2012
27. 52nd Annual conference of AMI entitled “International conference on Microbial Biotechnology for sustainable development”, Chandigarh, 3rd - 6th November 2011
28. International conference on “Folk and Herbal Medicine”, Udaipur, 25th - 27th November 2010
29. 5th World Congress of Cellular and Molecular Biology, Indore, 2nd - 6th November 2009
30. The 96th Indian Science Congress, Shillong, 3rd - 7th January 2009
31. 49th Annual Conference of AMI entitled “International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics”, Delhi, 18th - 20th November 2008
32. XXXVI Dairy Industry Conference, Varanasi, 19th - 21st February 2008
33. National symposium on Plant Biotechnology for Conservation, Characterization and Crop Improvement, Udaipur, 8th - 10th February 2008
34. Third international conference on “Fermented Foods, Health Status and Social Well-being”, Anand, 14th - 15th December 2007
35. National conference on “Environment Sciences: Current Status and Emerging Challenges” and 9th Annual meeting of Society for Science and Environment, Udaipur, 16th - 17th November 2007
36. National symposium on “Emerging Trends in Plant Biology, Environment Protection and Biotechnology” Udaipur, 9th - 11th October 2006
37. 7th Annual Conference of Society of Science and Environment, Udaipur, 17th - 18th September 2005
38. The 4th World Congress of Cell and Molecular Biology, Poitiers (France), 7th - 12th October 2005

HONOURS AND AWARDS

- RBSE, Ajmer awarded the certificates of merit in recognition of the high position secured in the list of meritorious candidates qualifying for awards from Rajasthan 1993 (Secondary) and 1995 (Senior Secondary)
- Awarded JRF and SRF (CSIR-NET) from a period from 16th August 2001 to 13th August 2005 during Ph.D. research work
- Awarded Second prize for oral presentation in 7th Annual Conference of Society of Science and Environment, Udaipur held during 17th -18th September 2005.

MEMBERSHIP OF SCIENTIFIC ORGANIZATIONS

- Life Member, Association of Microbiologists of India, Delhi
- Life Member, The Indian Science Congress Association, Calcutta
- Life Member, Swedish South Asian Network on Fermented Foods, Anand
- Life Member, Society for Science and Environment, Jalgaon
- Life Member, The Rajasthan Science Congress Association, Jaipur

MEMBERSHIP OF ACADEMIC BODIES

- **Member**, Committee of Courses in Biotechnology, Maharana Pratap University of Agriculture and Technology, Udaipur (2010 onwards)
- **Member**, Committee of Courses in Biotechnology, Mohanlal Sukhadia University, Udaipur (2010 onwards)

CONTRIBUTION IN SCIENTIFIC ACTIVITIES

- **Member**, Organizing Committee, National Conference on Environment Sciences: Current Status and Emerging Challenges and 9th Annual meeting of Society for Science and Environment, Udaipur, 16th - 17th November 2007
- **Member**, Organizing Committee, National Symposium on “Plant Biotechnology for Conservation, Characterization and Crop Improvement” along with the 29th Annual meeting on Plant Tissue Culture Association (India) from 8th - 10th February 2008, organized by Department of Biotechnology, Mohanlal Sukhadia University, Udaipur
- **Convenor** (Poster session), International Conference on Folk and Herbal Medicine (Organizing Secretary: Prof. S. S. Katewa), 25th - 27th November 2010, Department of Botany, Mohanlal Sukhadia University, Udaipur

COLLABORATIONS

- Dr. Shilpa Vij, Senior Scientist, Dairy Microbiology Division, National Dairy Research Institute, Karnal
- Dr. V.K. Batish, Principal Scientist (Retd.) Dairy Microbiology Division, National Dairy Research Institute, Karnal

COUNTRIES VISITED FOR ACADEMIC PURSUANCE

- **France:** Attended 4th World Congress of Cell and Molecular Biology at University of Poitiers, October 2005; Visited Institut Pasteur, Paris
- **Belgium:** Visited Vrije Universiteit, Brussels (October 2005)
- **Netherlands:** Visited Floriculture and Leather Industries, Amsterdam (October 2005)