

## CURRICULUM VITAE



### **HARSHADA JOSHI**

Associate Professor & Course Director  
Department of Biotechnology & Microbiology  
Mohanlal Sukhadia University  
Udaipur (Rajasthan) - 313001 [INDIA]



### **PROFILE SUMMARY**

- Teaching and Research experience of more than **18 years**.
- Setting up laboratory: Molecular Microbiology Lab at Department of Biotechnology, MLSU.
- Conducting research in the area of Applied Microbiology (Probiotic Technology, Heavy Metal Tolerance in Bacteria, Calcite solubilization, Bacterial diversity in nature) at MLSU.
- Published research papers and articles (more than 60) in National and International Journals of repute and presented papers (more than 40) in various Conferences and Symposia.
- Authored and edited 9 books in the field of Microbiology and Biochemistry with national publishers.
- Successfully completed two research projects funded by UGC (Rs 10.88 Lakh) and SERB, DST, New Delhi (Rs 13.80 Lakh). RUSA2 MHRD research and innovation project (Rs 30.00 Lakh) is ongoing.
- Supervising several UG/PG Projects and Ph.D. (7 awarded and 5 ongoing) research work as per university regulations.
- Visited 3 European countries France, Belgium and Netherlands for academic pursuance.

## EDUCATIONAL PROFILE

Name of Examination	Year	Board/ University	Max. Marks	Marks Obtained	Percentage	Division
Secondary	1993	RBSE	550.00	472.00	85.82	I
Senior Secondary	1995	RBSE	650.00	532.00	81.85	I
Graduation (B.Sc.)	1998	MLSU Udaipur	2025.00	1598.00	78.91	I
Post-Graduation (M.Sc. Biotechnology)	2000	MLSU Udaipur	1200.00	885.00	73.75	I
Ph. D.	2004	MLSU Udaipur				

## NATIONAL LEVEL EXAMINATIONS QUALIFIED

- CSIR-NET JRF June, 2000
- GATE 2000

## WORK EXPERIENCE: more than 18 YEARS

- Nature of Job: Research and Teaching
- Worked as Incharge, Department of Biotechnology MLSU, Udaipur
- Currently holding the post of Course Director, Department of Biotechnology and Department of Microbiology, MLSU, Udaipur

## 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**, Ex 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
- *Antibacterial Activity of Bacteriocin Producing Probiotic Lactobacilli*  
Ms. Preeti Upadhyay (NET-LS) 2022

### C. Ph.D. Students Registered

- *Isolation and Characterization of Calcite Solubilizing Bacteria from Marble Waste*  
Ms. Sakshi Devda (NET-LS, Registered 2015) [Submitted 2023]
- *Characterization of Oil Degrading Bacteria from Oil Contaminated Sites*  
Mr. Kailash Chandra (CSIR-NET-JRF, Joined 2018)
- *Whole genome sequencing based typing of Staphylococcus aureus strains with reference to emergence of antibiotic resistance*  
Ms. Tammana Ajmera (Joined on 15.03.2021)
- Ms. Bhumika Dodeja (Joined on 06.05.2022)
- Mr. Kuldeep Singh (Joined recently)

### RESEARCH PROJECTS COMPLETED/ONGOING

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 <sup>st</sup> July 2011 - 30 <sup>th</sup> 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	6 <sup>th</sup> July 2012 - 30 <sup>th</sup> June 2015	13.80 Lakh
03.	RUSA, MHRD, New Delhi	Screening and Use of Calcite Solubilizing Bacteria for Restoration of Marble Slurry Contaminated Soil	2020 (Ongoing)	30.00 Lakh

## RESEARCH PUBLICATIONS:

### a. Published Papers in Journals

1. Chandra, K. and **Joshi, H.** 2022. Screening of used engine oil degrading bacteria by the 2-6 DCPIP assay. Res. J. Biotech. 17 (8): 103-107. ISSN: 0973-6263 UGC CARE (Group A) no. 383 (**IF: 0.233**)
2. **Joshi, H.** 2022. Evaluation of antibiotic resistance of *Lactobacillus rhamnosus* strains isolated from camel milk samples. Eur. J. Biotech. Biosci. 10 (1): 30-32. ISSN: 2321-9122
3. **Joshi, H.** 2022. In vitro detection of bile salt hydrolase activity of probiotic *Lactobacillus fermentum* strains isolated from camel milk. Int. J. Pharm. Res. App. 7 (1): 1-5. ISSN: 2249-7781 DOI: 10.35629/7781-070113481352
4. **Joshi, H.** 2022. Screening of *Lactobacillus rhamnosus* CM19 for probiotic attributes. Int. J. Progressive Res. Sci. Engg. 3 (2): 55-58. ISSN (Online): 2582-7898
5. **Joshi, H.** 2022. Antibacterial potential of *Lactobacillus* strains isolated from camel milk samples collected from Southern Rajasthan. Res. J. Life Sci. Bioinfo. Pharm. Chem. Sci. 8 (2): 1-9. ISSN: 2454-6348 DOI: 10.26479/2022.0802.01
6. Upadhyay, P. and **Joshi, H.** 2022. Optimization of bacteriocin production by *Lactobacillus fermentum* CM36 and *Lactobacillus plantarum* CM114 isolated from camel milk samples. Int. J. Biotech. Microbio. 4 (1): 11-15. ISSN (Online): 2664-7680
7. **Joshi, H.** 2022. *Exiguobacterium aquaticum* CS6 a potent calcite solubilizer isolated calcite isolated from marble slurry. Int. J. Innovative Res. Tech. 8 (9): 361-363. ISSN: 2349-6002
8. **Joshi, H.** 2022. Effect of various factors on cadmium tolerance of *Cupriavidus* sp. HMT35. Int. J. Sci. Res. 11 (2): 1153-1156. ISSN: 2319-7064 DOI: 10.21275/SR 22223223047
9. Devda, S. and **Joshi, H.** 2021. Screening and characterization of calcite solubilizing bacteria isolated from marble slurry dumped in Sukher, Udaipur, Rajasthan, India. Res. J. Biotech. 16 (11): 78-82. ISSN: 0973-6263 UGC CARE (Group A) no. 383 (**IF: 0.233**)

10. Bhojiya, A. A., **Joshi, H.**, Upadhyay, S. K., Srivastava, A. K., Pathak, V. V., Pandey, V. C., Jain, D. 2021. Screening and optimization of zinc removal potential in *Pseudomonas aeruginosa*-HMR1 and its plant growth-promoting attributes. Bull. Environ. Contam. Toxicol. 108 (3):468-477. doi:10.1007/s00128-021-03232-5. PMID: 33860803. **(IF2020: 2.151)**
11. Upadhyay P. and **Joshi H.** 2021. Cell Viability of *Lactobacillus plantarum* CM114 and *Lactobacillus rhamnosus* CW48 in skim milk during refrigeration. Res. J. Biotech. 16 (3): 52-54. ISSN: 0973-6263 UGC CARE (Group A) no. 383 **(IF: 0.233)**
12. Upadhyay, P. and **Joshi, H.** 2020. Viability of *Lactobacillus fermentum* CM36 and *Lactobacillus rhamnosus* CW40 in skimmed milk during refrigeration. J. Camel Practice Research. 27(1):77-79. ISSN: 0971-6777, UGC CARE (Group A) no. 233 **(IF2020: 0.31)**
13. 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. 6(2): 627-632. ISSN: 2349-5162, UGC Journal no. 63975.
14. Upadhyay, P. and **Joshi, H.** 2019. Study of antibiotic resistance pattern of *Lactobacillus plantarum* CM114 isolated from camel milk. Int. J. Res. Analytical. Rev. 6(1): 1511-1515. ISSN: 2349-5138, UGC Journal no. 43602.
15. 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: 2249-1570
16. 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, **(IF2020: 0.638)**
17. 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
18. 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
19. 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
20. 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

21. 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
22. 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
23. 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
24. 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
25. Chaudhary, J., Jinger, 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
26. 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
27. 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.* 4(1):58-64. ISSN: 2454-2415, UGC Journal No. 64094
28. 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
29. 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:2321-9009
30. 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
31. 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
32. 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

33. 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
34. 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
35. 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
36. 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
37. 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
38. 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
39. 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
40. 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
41. 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
42. 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
43. 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
44. 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: 0973-2683

45. 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
46. 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
47. 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
48. 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
49. 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 0.23.**
50. 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 0.23**
51. **Joshi, H.** and Chaudhary, B. L. 2007. *In vitro* inhibition of toxic bacteria by bacteriocins of *Lactobacillus* strains. *J. Herbal Med. Toxicol.* 1 (2): 55-57. ISSN: 0973-4643
52. Jat J. L., Salvi V. K., Talesra G. L. and **Joshi, H.** 2006. Synthesis and antimicrobial evaluation of some pyrazolo-thiazolyl alkoxy-1H-indole-1, 3(2H)-dione derivatives. *J. Sulfur Chem.,* 27(5) 445-453. ISSN: 1741-5993, UGC Journal No. 10712, **Impact factor 1.963**
53. **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
54. **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
55. **Joshi, H.,** Chaudhary, B. L. and Vij, S. 2004. Inhibition of food-borne bacterial pathogens by bacteriocins from *Lactobacillus* sps. *Indian J. Environ. Sci.* 8(2): 141-142. ISSN: 0971-8958, UGC Journal No. 47928
56. **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



57. **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
58. **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
59. **Joshi, H.**, Chaudhary, B. L. and Vij S. 2003. Factors influencing production of bacteriocin by *Lactobacillus plantarum*. Indian J. Dairy Biosci. 14(1): 28-32. ISSN: 0971-5436
60. **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
61. **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
62. **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
63. **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. Chandra, K. and Joshi, H. 2022. Biotechnology Based Green Energy: A solution towards sustainable development. In: "Advanced Studies in Multidisciplinary Research" Suprita Jha (Ed.) Vol. 1 pp. 39-59 Bright Sky Publications, New Delhi, India. ISBN: 978-93-92804-13-7.
2. Rawal, I. and Joshi, H. 2021. A Review on Water Quality of Different Lakes of Udaipur Concerning Physicochemical and Bacteriological Parameters In: "Microbes and Agro-Ecosystem" Tripti Agarwal and P C Trivedi (Eds.) pp. 213-231. Agrobios Research: An Imprint of Agrobios (India), Jodhpur. ISBN: 9789391568023.
3. Meena, S. and Joshi, H. 2021. Hydrofluorosis: An Endemic Geochemical Disease and its Prevention using Defluoridation Strategies In: "Microbes and Agro-Ecosystem" Tripti Agarwal and P C Trivedi (Eds.) pp. 87-104. Agrobios Research: An Imprint of Agrobios (India), Jodhpur. ISBN: 9789391568023.
4. Sen, M. and Joshi, H. 2021. Role of PGPR in Mitigation of Heavy Metal Stress Plants In: "Plant Physiology, Development and Adoption" Poonam Meena and P C Trivedi (Eds.)

pp. 127-159. Agrobios Research: An Imprint of Agrobios (India), Jodhpur. ISBN: 9789391568016.

5. Joshi, H. and Upadhyay, P. 2021. Comparison of Viable Cell Count of *Lactobacillus* Strains Incorporated into Skim Milk during Refrigerated Storage. In: "Research in Microbiology" Adesh Kumar (Ed.), Vol. 5 pp. 69-79. AkiNik Publishers, New Delhi, India. ISBN: 978-93-90846-87-0.
  6. Joshi, H. and Devda, S. 2021. Isolation and Characterization of Calcite Solubilizing Strain from Marble Slurry Dumped in Sukher, Udaipur (Raj.) India. In: "Advances in Biotechnology and Bioscience" Shailesh Kumar (Ed.) Vol. 8 pp. 27-39. AkiNik Publishers, New Delhi, India. ISBN: 978-93-90846-93-1.
  7. Joshi, H. and Khandelwal, D. 2021. Lactic Acid Bacteria In: "Research Trends in Probiotic Technology" H. Joshi Edition 1 pp. 28-48. AkiNik Publishers, New Delhi, India. ISBN: 978-93-90846-16-0.
  8. Joshi, H. 2021. Antibacterial Spectrum of Lactobacilli. In: "Research Trends in Probiotic Technology" H. Joshi Edition 1 pp. 85-99. AkiNik Publishers, New Delhi, India. ISBN: 978-93-90846-16-0.
  9. Joshi, H. 2021. Bacteriocins of Lactic acid Bacteria. In: "Research Trends in Probiotic Technology" H. Joshi Edition 1 pp. 100-118. AkiNik Publishers, New Delhi, India. ISBN: 978-93-90846-16-0.
  10. Joshi, H. 2021. Factors Affecting Bacteriocin Production by Lactobacilli In: "Research Trends in Probiotic Technology" H. Joshi Edition 1 pp. 119-129. AkiNik Publishers, New Delhi, India. ISBN: 978-93-90846-16-0.
  11. 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. Joshi, H. 2020 Calcite solubilizing activity of *Exiguobacterium aquaticum* CS6 isolated from marble slurry dumped in Sukher, Udaipur, Rajasthan, India. In: Proceedings of the 107<sup>th</sup> Indian Science Congress, Bangalore, 2020. Dr. Ranbeer Singh Rawal (Eds). pp. 96. Indian Science Congress Association, Kolkata.

2. 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 15<sup>th</sup> World Lake Conference, University of Perugia, Perugia, Italy. C. Biscarini *et al* (Eds). pp. 24-27. Science4Press, Italy ISBN: 978-88-965-04-07-9.
3. Khandelwal, D., **Joshi, H.** and Chaudhary, B. L. 2014. Antibacterial activity of lactobacilli against *Aeromonas veronii* isolated from Pichhola lake, Udaipur, Rajasthan, India. In: Proceedings of 15<sup>th</sup> World Lake Conference, University of Perugia, Perugia, Italy. C. Biscarini *et al* (Eds). pp. 16-18. Science4Press, Italy. ISBN: 978-88-965-04-07-9.
4. 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 15<sup>th</sup> World Lake Conference, University of Perugia, Perugia, Italy. C. Biscarini *et al* (Eds). pp. 9-12. Science4Press, Italy. ISBN: 978-88-965-04-07-9.

#### **BOOKS PUBLISHED**

1. **Advances in Biotechnology and Bioscience** (2023) Harshada Joshi (Ed) Vol 14; Akinik Publications, New Delhi, ISBN: 978-93-5570-714-7
2. **Advances in Biotechnology and Bioscience** (2023) Harshada Joshi (Ed) Vol 13; Akinik Publications, New Delhi, ISBN: 978-93-5570-664-5
3. **Advances in Biotechnology and Bioscience** (2022) Harshada Joshi (Ed) Vol 12; Akinik Publications, New Delhi, ISBN: 978-93-5570-501-3
4. **Recent Trends in Probiotic Technology** (2021) Harshada Joshi; AkiNik Publications, New Delhi, ISBN: 978-93-90846-16-0
5. **Pharmaceutical Biochemistry & Clinical Pathology: A Practical Manual** (2009) B. L. Chaudhary, Harshada Joshi and Jyoti Chaudhary; Apex Publishing House, Udaipur, First edition, ISBN: 13:978-81-301-0060-9
6. **Pharmaceutical Biochemistry & Clinical Pathology** (2008) B. L. Chaudhary, Harshada Joshi and Jyoti Chaudhary; Apex Publishing House, Udaipur, First edition, ISBN: 81-301-0051-7
7. **Elements of Biochemistry** (2006) B. L. Chaudhary, Harshada Joshi and Jyoti Chaudhary; Apex Publishing House, Udaipur. First edition, ISBN: 81-301-0037-1
8. **Pharmaceutical Biochemistry** (2006) B. L. Chaudhary, Harshada Joshi and Jyoti Chaudhary; Apex Publishing House, Udaipur. First edition, ISBN: 81-301-0030-4
9. **Pharmaceutical Microbiology** (2005) B. L. Chaudhary and Harshada Joshi; Apex Publishing House, Udaipur. Revised edition 2007, ISBN: 81-301-0022-3

#### **SPECIALIZED TRAINING AND ORIENTATION COURSES ATTENDED**

1. Joined the ARPIT Course for Career Advancement Scheme (CAS) promotion Biotechnology, offered by NRC, Mohanlal Sukhadia University, Udaipur, Rajasthan held on 30.03.2019

2. Attended DST-NIMAT sponsored Faculty Development Program on “Promotion of Entrepreneurship Amongst Student” from 18<sup>th</sup> Sept to 1<sup>st</sup> 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 21<sup>st</sup> to 27<sup>th</sup> December, 2014
4. Attended UGC sponsored Refresher Course in Life Sciences at Academic Staff College, Punjabi University, **Patiala** from 17<sup>th</sup> November to 6<sup>th</sup> December, 2014
5. Attended UGC sponsored Refresher Course in Life Sciences at Academic Staff College, University of North Bengal, **Siliguri**, Darjeeling from 19<sup>th</sup> September to 9<sup>th</sup> October, 2013
6. Attended UGC sponsored Refresher Course in Life Sciences at Academic Staff College, Himachal Pradesh University, **Shimla** from 7<sup>th</sup> to 26<sup>th</sup> May 2012
7. Attended 69<sup>th</sup> Orientation Programme held at Academic Staff College, Jai Narain Vyas University, **Jodhpur** during 16<sup>th</sup> November to 12<sup>th</sup> December 2009
8. Attended training programme on Bacterial Identification Techniques at Prosthete Bacteria and Micrococcus Center, Department of Microbiology, Maharshi Dayanand University, **Ajmer** from 27<sup>th</sup> to 30<sup>th</sup> 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 1<sup>st</sup> to 31<sup>st</sup> May, 2002

#### **NATIONAL AND INTERNATIONAL CONFERENCES AND SYMPOSIA ATTENDED**

1. International Conference to Sustain the Mother Earth organized by Dr. Daulat Singh Kothari Institute for Research and Education, Udaipur on 22<sup>nd</sup> April 2023.
2. International Conference on Sustainability: Life on Earth (ICS-LOE), School of Bioengineering and Biosciences, Lovely Professional University, Phagwara, Punjab and Institute of Forest Productivity, Ranchi, Jharkhand held at Lovely Professional University, 17<sup>th</sup> and 18<sup>th</sup> December 2021.
3. Advances in Microbial Technologies (AIMT- 2021) Amity University in collaboration with Society for Green Environment, India held at Amity University Jaipur, 1<sup>st</sup> and 2<sup>nd</sup> December 2021.
4. 4<sup>th</sup> International Conference on Food and Nutrition (4<sup>th</sup> ICFN 2021) Universal Society of Food and Nutrition held at Singapore, 23<sup>rd</sup> and 24<sup>th</sup> September, 2021.
5. International Conference of Soil and Water Resource Management (ICSWRM 2021) CTAE, MPUAT, Udaipur, 26<sup>th</sup> and 27<sup>th</sup> February 2021.
6. International Webinar on “Biotechnological Advancement of 21<sup>st</sup> Century” Department of Biotechnology & Microbiology, Atmiya University, Rajkot, 31<sup>st</sup> October and 1<sup>st</sup> November 2020.
7. International Webinar on “Impact of Covid-19 on the Public Health and Global Economy”, Department of Zoology, MLSU, Udaipur, 28<sup>th</sup> June 2020.
8. National Web Conference on “Relevance and Importance of Health and Wellness in Covid-19”, ASSOCHAM, New Delhi, 2<sup>nd</sup>, 6<sup>th</sup> and 10<sup>th</sup> June 2020.
9. National Webinar on “Challenges of Living with Covid-19”, Department of Science, Krishna Group of Colleges, Bijnor, 7<sup>th</sup> June 2020.

10. International Webinar on “Life with Covid-19”, Maharani Lakshmi Bai College, GJUST, Hisar, 6<sup>th</sup> June 2020.
11. Environmental Awareness Online Quiz, Department of Chemistry, MLSU, Udaipur 5<sup>th</sup> June 2020.
12. National conference on “Green chemistry for clean environment”, Udaipur, 27<sup>th</sup> July 2019.
13. National conference on “Emerging issues in research and development”, Jodhpur, 3<sup>rd</sup> February 2019.
14. National seminar on “Industrial Advancement and Academic Research: A Correlation”, Department of Pharmaceutical Sciences, MLSU, Udaipur, 20<sup>th</sup> March 2018
15. International congress on “Plant Based Natural Products: Phytochemicals, Phototherapeutics and Phytonutraceuticals”, Indian Society of Chemists and Biologists, Udaipur, 19<sup>th</sup> - 21<sup>st</sup> February 2018
16. Brainstorming Session for Strengthening Inter-disciplinary and Inter-institutional Research in the State of Rajasthan, Department of Geography, MLSU, Udaipur, 12<sup>th</sup> - 13<sup>th</sup> January 2018
17. National symposium on “Photosynthesis”, Department of Botany, MLSU, Udaipur, 8<sup>th</sup> - 9<sup>th</sup> December 2017
18. Brainstorming Session for Developing and Exclusive Program for Women Scientist in the Field of Geospatial Technology for Training, Skill Development and Employment Generation, Department of Geography, MLSU, Udaipur, 25<sup>th</sup> - 26<sup>th</sup> September 2017
19. National conference on “Impact of Pharmaceutical Biotechnology on the Future of Medicine”, Geetanjali Institute of Pharmacy, Udaipur, 24<sup>th</sup> - 25<sup>th</sup> March 2017
20. National seminar on “Genetically Modified Food and Food Security”, Shree M. & N. Virani Science College, Rajkot, 11<sup>th</sup> February 2017
21. International conference on “Eco Friendly and Socially Responsive Economy and Equity: Issue and Challenges of 21<sup>st</sup> Century for Emergent Sustainable Developments Amongst SAARC Countries”, Department of Zoology, MLSU, Udaipur, 9<sup>th</sup> - 11<sup>th</sup> January 2017
22. National conference and workshop on “Green chemistry: Teaching and Technology”, Royal Society of Chemistry, London and Department of Chemistry, Udaipur 20<sup>th</sup> October 2016
23. National seminar on “Biodiversity, Conservation and Eco Tourism” Department of Botany, Maharana Pratap Govt. P.G. College, Chittorgarh, 27<sup>th</sup> - 28<sup>th</sup> September 2016
24. National conference on “Natural Vegetation, Environmental Balance and Plantation”, Faculty of Management, Pacific University, Udaipur, 25<sup>th</sup> July 2016
25. National conference on “Recent Advances in Biological Sciences, Biotechnology and Sustainable Development”, Department of Botany and Department of Biotechnology, MLSU, Udaipur, 18<sup>th</sup> - 19<sup>th</sup> March 2016
26. The 6<sup>th</sup> World Congress on Biotechnology, Omics International, New Delhi, 5<sup>th</sup> - 7<sup>th</sup> October 2015
27. International Conference on “2015 NextGen Genomics, Biology, Bioinformatics and Technologies”, SciGenom Research Foundation, CCMB and IOB, Hyderabad, 1<sup>st</sup> - 3<sup>rd</sup> October 2015

28. International conference on “Antimicrobial resistance, novel drug discovery and development: Challenges and opportunities”, SRM University, Haryana and International Association of Medical and Pharmaceutical Virologists, New Delhi, 2<sup>nd</sup> - 3<sup>rd</sup> March 2015
29. 2<sup>nd</sup> International conference on “Applied Sciences, Environmental Engineering and Energy Technology for Sustainable Development”, Krishi Sanskriti, New Delhi, 14<sup>th</sup> - 15<sup>th</sup> February 2015
30. 5<sup>th</sup> International conference on “Climate change and sustainable management of natural resources”, Department of Life Sciences, ITM University, Gwalior, 9<sup>th</sup> - 11<sup>th</sup> February 2015
31. 4<sup>th</sup> International Science Congress on “Global Research: Enhancement, reforms and commercialization”, International Science Congress Association and Pacific University, Udaipur, 8<sup>th</sup> - 9<sup>th</sup> December 2014
32. National conference on “Climate Change and Environment”, Vidhya Bhawan Rural Institute, Udaipur, 23<sup>rd</sup> - 24<sup>th</sup> December 2013
33. 1<sup>st</sup> Rajasthan science congress on “New frontiers of science and technology and innovation for development in Rajasthan”, Tagore International School, Campus, Jaipur, 11<sup>th</sup> - 13<sup>th</sup> May 2013
34. International conference on “Managing change in business and economy”, Faculty of Management Studies, Pacific University, Udaipur, 6<sup>th</sup> - 7<sup>th</sup> April 2013
35. 19<sup>th</sup> ISCB International conference entitled “Recent advances and current trends in chemical and biological sciences”, Indian Society of Chemists & Biologists Lucknow and Department of Chemistry, MLSU, Udaipur, 2<sup>nd</sup> - 5<sup>th</sup> March 2013
36. A lecture workshop on “Frontiers in cell and molecular biology”, Vidhya Bhawan Society, Udaipur, The Indian Academy of Sciences, The National Academy of Sciences and Indian National Science Academy, 14<sup>th</sup> - 15<sup>th</sup> February 2013
37. International conference on “Agriculture, Foods Sciences & Environmental Technology for Sustainable Global Development”, Krishi Sanskriti, New Delhi, 28<sup>th</sup> - 29<sup>th</sup> October 2012
38. 52<sup>nd</sup> Annual conference of AMI entitled “International conference on Microbial Biotechnology for sustainable development”, Punjab University, Chandigarh, 3<sup>rd</sup> - 6<sup>th</sup> November 2011
39. International conference on “Folk and Herbal Medicine”, Department of Botany, MLSU, Udaipur, 25<sup>th</sup> - 27<sup>th</sup> November 2010
40. 5<sup>th</sup> World Congress of Cellular and Molecular Biology, School of Biotechnology, DAV, Indore and World Society of Cellular and Molecular Biology, France, 2<sup>nd</sup> - 6<sup>th</sup> November 2009
41. The 96<sup>th</sup> Indian Science Congress, North Eastern Hill Univeristy, Shillong, 3<sup>rd</sup> - 7<sup>th</sup> January 2009
42. 49<sup>th</sup> Annual Conference of AMI entitled “International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics”, University of Delhi, Delhi, 18<sup>th</sup> - 20<sup>th</sup> November 2008
43. XXXVI Dairy Industry Conference, Indian Dairy Association (North Zone) and Institute of Agricultural Sciences, BHU, Varanasi, 19<sup>th</sup> - 21<sup>st</sup> February 2008

44. National symposium on Plant Biotechnology for Conservation, Characterization and Crop Improvement, Department of Biotechnology, MLSU, Udaipur, 8<sup>th</sup> - 10<sup>th</sup> February 2008
45. Third international seminar and workshop on “Fermented Foods, Health Status and Social Well-being”, Anand Agriculture University, Anand, in association with Swedish South Asian Network on Fermented Foods, 14<sup>th</sup> -15<sup>th</sup> December 2007
46. National conference on “Environment Sciences: Current Status and Emerging Challenges” and 9<sup>th</sup> Annual meeting of Society for Science and Environment, Department of Botany, MLSU, Udaipur, 16<sup>th</sup> -17<sup>th</sup> November 2007
47. National symposium on “Emerging Trends in Plant Biology, Environment Protection and Biotechnology” Department of Botany, MLSU, Udaipur, 9<sup>th</sup> - 11<sup>th</sup> October 2006
48. 7<sup>th</sup> Annual Conference of Society of Science and Environment, Department of Zoology, MLSU, Udaipur, 17<sup>th</sup> -18<sup>th</sup> September 2005
49. The 4<sup>th</sup> World Congress of Cell and Molecular Biology, Universite de Poitiers (France), 7<sup>th</sup> - 12<sup>th</sup> October 2005

#### **EXTENSION LECTURE / INVITED TALK DELIVERED**

- Delivered an invited talk on “Principles and Practices of Fermentation Technology” at ICFAI University, Solan, Himachal Pradesh on 2<sup>nd</sup> August 2023.
- Delivered invited talk on “Career Opportunities in Biotechnology” at Thapar Institute of Engineering and Technology, Patiala on 1<sup>st</sup> August 2023.
- Delivered invited talk on “Applications of Biotechnology” at Punjabi University Patiala on 31<sup>st</sup> July 2023.
- Delivered invited talk on “Modern Era of Microbial Biotechnology: Applications and Future Prospects” at College of Dairy and Food Science Technology (CDFST), MPUAT, Udaipur on 17<sup>th</sup> May 2023.
- Delivered invited talk on “*Pseudomonas moneilli*: A potential strain for remediation of marble slurry contaminated soil” in International Conference to Sustain the Mother Earth organized by Dr. Daulat Singh Kothari Institute for Research and Education, Udaipur on 22<sup>nd</sup> April 2023.
- Delivered lecture as an invited speaker on “CRISPR Technology: Principle and Applications” at US Ostwal Science and Arts College, Mangalwar (Chittaurgarh) on 3<sup>rd</sup> August, 2022.
- Delivered an online lecture as an invited speaker on “Probiotics and their Health Benefits” at Rao Pahlad Singh Degree College, Mahendergarh, Haryana on 28<sup>th</sup> December 2021.
- Delivered an online lecture as an invited speaker on “Nanobiotechnological Approaches for Antibacterial Activity” at Rao Pahlad Singh Degree College, Mahendergarh, Haryana on 27<sup>th</sup> December 2021.
- Delivered invited talk on COVID-19 vaccine at Prasar Bharti, during the program “Chai pe Charcha” by All India Radio, Udaipur which was broadcasted on 25<sup>th</sup> January, 2021 at 6.00 PM.
- “**Microbiological Techniques - An Introduction**” December, 2005, Short term training course on **Modern Methods of Molecular Biology and Biotechnology** sponsored by University Grants Commission, New Delhi.

#### **HONOURS, AWARDS AND GRANTS RECEIVED**

- **Received grant of Rs. One lakh from SERB, Department of Science and Technology, Govt of India** to organized two days “National Conference on Recent Trends in Biotechnology” at Department of Biotechnology, Mohanlal Sukhadia University, Udaipur under the aegis of SERB, Department of Science and Technology, Govt of India, New Delhi and National Academy of Sciences India, Jaipur Chapter on 3rd and 4th March 2023 to celebrate the glorious 25 years of establishment of the department.
- Awarded **3<sup>rd</sup> prize in Written Book Publication competition** organized by prestigious Microbiologists Society, India on 9<sup>th</sup> May 2022.
- Awarded **Certificate of Appreciation** on the occasion of International Woman’s Day from Department of Science and Technology, Govt. of Rajasthan for commendable contribution in the field of Science & Technology held on 15<sup>th</sup> March 2022.
- Awarded **Best Oral Presentation Award** in Conference on Advances in Microbial Technologies (AIMT-2021) held at Amity University Jaipur during 1<sup>st</sup> and 2<sup>nd</sup> December 2021.
- Awarded **Second Prize for Oral Presentation** in 4<sup>th</sup> International Conference on Food and Nutrition (4<sup>th</sup> ICFN 2021) Universal Society of Food and Nutrition held at Singapore during 23<sup>rd</sup> and 24<sup>th</sup> September, 2021
- Awarded for significant contributions and accomplishments in academics by Hon’ble Vice Chancellor and Secretary, Higher & Technical Education, Govt. of Rajasthan during International Women’s Day Celebration at Mohanlal Sukhadia University on 8<sup>th</sup> March 2021
- Awarded **First Prize for Poster Presentation** in International Conference of Soil and Water Resource Management (ICSWRM 2021) CTAE, MPUAT, Udaipur, 26-27, Feb. 2021.
- Awarded **Active Camel Research Scientist Award 2020** for significant contribution of camel related research during Covid-19 pandemic and contribution of paper in Journal of Camel Practice and Research by Camel Publishing House, Bikaner, India on 7<sup>th</sup> January, 2021
- Awarded **Shiksha Gaurav Alankaran** by Lions Club, Udaipur Mewar Gaurav on teachers day celebration on 11<sup>th</sup> Sept., 2019 at UCSSH, MLSU, Udaipur
- Awarded Second Prize for best oral presentation in 7<sup>th</sup> Annual Conference of Society of Science and Environment, Udaipur held during 17<sup>th</sup> -18<sup>th</sup> September 2005.
- Awarded JRF and SRF (CSIR) from a period from 16<sup>th</sup> August 2001 to 13<sup>th</sup> August 2005 during Ph.D. research work
- 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)

## **MEMBERSHIP OF SCIENTIFIC ORGANIZATIONS**

- Life Member, Association of Microbiologists of India, Delhi, 2008
- Life Member, The Indian Science Congress Association, Calcutta, 2009
- Life Member, Microbiologists Society, India, 2023
- Life Member, Swedish South Asian Network on Fermented Foods, Anand, 2007
- Life Member, Society for Science and Environment, Jalgaon, 2005
- Hindi Vigyan Sahitya Parishad, BARC, Mumbai, 2005
- Life Member, The Rajasthan Science Congress Association, Jaipur, 2013



## 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

- **Convener** for **workshop on “Microbial cultivation techniques”** organized by Department of Biotechnology, Mohanlal Sukhadia University, Udaipur for B. Pharm students of Asian College of Pharmacy, Udaipur.
- Acted as **Co-Chairperson** in a session organized by Dr. Daulat Singh Kothari Institute for Research and Education, Udaipur during **International Conference to Sustain the Mother Earth** on 22<sup>nd</sup> April 2023.
- Acted as **Convener and organized** two days **“National Conference on Recent Trends in Biotechnology”** at Department of Biotechnology, Mohanlal Sukhadia University, Udaipur under the aegis of **SERB, Department of Science and Technology, Govt of India, New Delhi and National Academy of Sciences India, Jaipur Chapter** on 3<sup>rd</sup> and 4<sup>th</sup> March 2023 to celebrate the glorious 25 years of establishment of the department.
- **Convener**, IPR Awareness Programme under National Intellectual Property Awareness Mission (NIPAM): An initiative of the Government of India under "Azadi ka Amrit Mahotsav", organized jointly by Department of Biotechnology & Department of Microbiology, MLSU Udaipur and Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Govt. of India on 8<sup>th</sup> April 2022
- **Convener**, International Virtual Conference on “Recent Trends and Innovations in Microbiology”, 15<sup>th</sup> July 2021 organized by Department of Microbiology, Mohanlal Sukhadia University, Udaipur.
- **Convener**, International Virtual Conference on “COVID-19: Myths and Facts”, 14<sup>th</sup> July 2021 organized by Department of Biotechnology, Mohanlal Sukhadia University, Udaipur.
- **Convener**, National Webinar on COVID-19: Key Perspective on Food and Neurosciences, 19<sup>th</sup> May 2021 organized by Department of Biotechnology and Microbiology, Mohanlal Sukhadia University, Udaipur.
- **Co-Convener**, National Webinar National Education Policy 2020: Research Aspects and Key Proposals, 11<sup>th</sup> November 2020 organized by Department of Microbiology, Mohanlal Sukhadia University, Udaipur.
- **Co-Convener**, International Webinar on Career Prospects in Life Sciences: Lets Explore, 7<sup>th</sup> June 2020 organized by Department of Biotechnology and Microbiology, Mohanlal Sukhadia University, Udaipur
- **Co-Convener**, E-Quiz Series on covid-19 for Spreading Awareness: Level One (Basics) 20<sup>th</sup> May 2020 organized by Department of Biotechnology and Microbiology, Mohanlal Sukhadia University, Udaipur

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

### 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
- Dr. Jyoti Chaudhary, Head & Associate Professor, Department of Chemistry, Mohanlal Sukhadia University, Udaipur

### COUNTRIES VISITED FOR ACADEMIC PURSUANCE

- **France:** Attended 4<sup>th</sup> 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 Industry and Leather Industry, Amsterdam (October 2005)

### PERSONAL PARTICULARS

Nationality:	Indian
Category:	General
Father's Name:	Dr. Suresh Chandra Joshi
Religion:	Hindu
Date of Birth:	7 <sup>th</sup> July 1978
Blood Group:	O +ve
Sex:	Female
Marital Status:	Married

### CONTACT DETAILS

Residential Address	SF-1, Gayatri Nagar Sector 5, Hiran Magri Udaipur (Rajasthan) - 313002 India.
Office Address	Molecular Microbiology Laboratory Department of Biotechnology Vigyan Bhawan: Block B Mohanlal Sukhadia University

Udaipur (Rajasthan) -313001 India

Office Phone Number +91-294-2470071(O)

Mobile Number +91-9460507960

e-mail address harshdajoshi@mlsu.ac.in

**Declaration**

I vouch for authenticity of the aforementioned facts.

Place: Udaipur  
Date: 01-07-2021

HARSHADA JOSHI