

## RESEARCH PUBLICATIONS:

### a. Published Papers in Journals

1. 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. International Journal of Chemical and Physical Sciences. 5(3): 30-36. **ISSN: 2319-6602**
2. 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. Ind. J. Fund. Appl Life Sci. 6(2): 23-29. **ISSN: 2231- 6345**
3. 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**
4. 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**
5. Rawal, I., **Joshi, H.** and Chaudhary, B.L. 2016. Water quality assessment using physicochemical and bacteriological parameters of Fateh Sagar Lake, Udaipur, India. Water Resour.-Springer, (Accepted).
6. 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. pharmaceuticals. 10(2):132-136. **ISSN:**
7. Bhojiya, A.A. and **Joshi, H.** 2016. Heavy Metal Tolerance Pattern of *Pseudomonas Putida* Isolated from Heavy Metal Contaminated Soil of Zawar, Udaipur (India). Inter.J. of Inno. Know. Concepts. 2(1):58-64. **ISSN: 2454-2415**
8. 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 Environn. 9(1):20-34. **ISSN: 2028-0351**
9. 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:**
10. Sen, M. and **Joshi, H.** 2015. Study of phosphate solubilizing activity of lead tolerant *Pseudomonas aeruginosa* HMT 51 isolated from Zawar mines, Udaipur (India). Res. J. Recent Sci. 4: 280-282. **ISSN : 2277 – 2502**
11. Chundawat, H. and **Joshi, H.** 2015. Antagonistic Effect of *Lactobacillus* Isolates from cow Milk on selected Pathogenic Bacteria. Res. J. Recent Sci. 4:173-176. **ISSN : 2277 – 2502**
12. Khandelwal, D., **Joshi, H.** and Chaudhary, B.L. 2015. Antagonistic effect of Lactobacilli of Camel Milk against *Aeromonas sveronii* isolated from Pichola lake, Udaipur, Rajasthan, India. Res. J. Recent Sci. 4:170-172. **ISSN : 2277 – 2502**
13. 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. Res. J. Recent Sci. 4:155-158. **ISSN : 2277 – 2502**
14. Bhojiya, A.A. and **Joshi, H.** 2015. Identification of *Pseudomonas* using Probabilistic identification of Bacteria (PIB) Software. Res. J. Recent Sci. 4:14-18. **ISSN : 2277 - 2502**

15. Rawal, I., **Joshi, H.** and Chaudhary, B.L. 2014. Correlation study on Physico-Chemical parameters for assessment of water quality of fatch sagar lake of Udaipur (Rajasthan), India, *The Ecoscan*. 5:111-119. **ISSN No: 0974-0376**
16. Bhojiya, A.A. and **Joshi, H.** 2014.Characterization and zinc tolerance of *Pseudomonas* isolated from Zawar Mines Udaipur, India, *J. Herb. Med. Tox.* 8(1): 62-66. **ISSN No: 0973-4643**
17. Khandelwal, D., **Joshi, H.** and Chaudhary, B.L.2014. Antibiotic resistance pattern of *Lactobacillus fermentum* CMU29 isolated from camel milk., *J. Herb. Med. Tox.* 8(1): 34-36. **ISSN No:0973-4643**
18. Rawal, I., **Joshi, H.** and Chaudhary, B.L. 2014. Study of water quality of lake pichhola of Udaipur (India), *J. Herb. Med. Tox.* 8(1): 72-75. **ISSN No:0973-4643**
19. 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 No: 0972-3005**
20. 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 No: 0972-3005**
21. 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 No: 0972-3005**
22. 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**
23. 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**
24. 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**
25. 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**
26. 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. of Biotech. and Biotherapeutics.* 1(4):1-6. **ISSN 2229 – 6824**
27. Singhal, K., **Joshi, H.** and Chaudhary, B.L. 2010. Bile and acid tolerance ability of probiotic *Lactobacillus* strains. *J. of Global Pharma Technology.* 2(12): 17-25. **ISSN 0975-8542**
28. Singhal, Khushbu, **Joshi, H.** and Chaudhary, B.L.. 2009. Detection of Antimicrobial Activity, Antibiotic Resistance and Bile Salt Hydroyase Activity of *Lactobacillus spp.* *Environ. Biol. Conservation.* 14:6-9.**ISSN 0971-782X**
29. Singhal, Khushbu, **Joshi, H.** and B.L Chaudhary. 2009. Identification of lactobacilli by PIB Software. *J. Appl. Pure Microbiol.*. 3(1):261-266.**ISSN 0973-7510.Impact factor- 0.054.**
30. Singhal, Khushbu, **Joshi, H.** and B. L. Chaudhary. 2008. Isolation of bile tolerant lactobacilli and their biochemical characterization. *J. Appl. Pure Microbiol.* 2(2): 501-505.**ISSN 0973-7510.Impact factor- 0.054**
31. **Joshi, H.** and B. L. Chaudhary. 2007. *In vitro* inhibition of toxic bacteria by bacteriocins of *Lactobacillus* strains. *J. of Herbal Med.Toxicol.*, 2: 55-56.**ISSN: 0973-4643**

32. 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. of Sulfur Chem.*, 27(5) 445-453. **ISSN: 1741-5993. Impact factor- 1.101**
33. **Joshi, H.**, Chaudhary B. L and S.D. Purohit. 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**
34. **Joshi, H.**, Chaudhary B. L and Shilpa Vij. 2004. Effect of culture conditions on antibacterial activity of bacteriocinogenic *Lactobacilli casei*. *Asian J. Microbiol. Biotech. Env. Sc.* 6(4): 563-566. **ISSN No: 0972-3005**
35. **Joshi, H.**, Chaudhary B. L and Shilpa Vij. 2004. Inhibition of food-borne bacterial pathogens by bacteriocins from *Lactobacillus* spp. *Indian J. Env. Sci.* 8(2): 141-142. **ISSN No: 971-8958**
36. **Joshi, H.**, Chaudhary B. L and Batish V. K. 2004. Identification of lactobacilli for PCR. *Biosc. Research Bull.* 20 (1): 19-22.
37. **Joshi, H.**, Chaudhary B. L, Vij, Shilpa and V.K. Batish. 2004. Inhibitory activity and characteristics of bacteriocin produced by *Lactobacillus casei*. *J. Dairying Food HomeSc.* 23(2): 126-129. **ISSN No: 0971-4456**
38. **Joshi, H.**, Chaudhary B. L. and Shilpa Vij. 2003. Factors influencing production of bacteriocin by *Lactobacillus plantarum*. *Indian J. Dairy BioSc.* 14(1): 24-32.
39. **Joshi, H.**, Chaudhary B. L and Shilpa Vij. 2003. Study of factors affecting the production of bacteriocin by *Lactobacillus casei*. *Pb. Univ. Res. J. (Sci.)*. 53. 155-161. **ISSN No. 0555-7631**
40. **Joshi, H.** and B. L. Chaudhary. 2004. Comparison of methods for detection of antibacterial activity of lactobacilli. *Indian J. Appl. Pure Biol.* 19 (1): 59-62. **ISSN 0970-2091**
41. **Joshi, H.**, Chaudhary B.L. and Shilpa Vij. 2003. Factors influencing antibacterial activity of bacteriocinogenic *Lactobacillus plantarum*. 2003. *Biosc. Research Bull.* 19 (2): 87-92.
42. **Joshi, H.**, Chaudhary B. L., Batish V.K and Shilpa Vij. 2003. Inhibitory activity of bacteriocin produced by *Lactobacillus plantarum*. *Biosc. Research Bull.* 19 (1): 7-12.
43. **Joshi, H.**, and B. L. Chaudhary. 2003. Identification of lactobacilli by biochemical tests using PIB Software. *Indian J. Appl. Pure Biol.* 18 (2): 179-182. **ISSN 0970-2091**

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.

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.
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.

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.

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

1. National conference on “Impact of Pharmaceutical Biotechnology on the Future of Medicine” on 24<sup>th</sup> -25<sup>th</sup> March, 2017.
2. National seminar on Genetically Modified Food and Food Security, Rajkot, 11<sup>th</sup> February 2017.
3. 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, 9<sup>th</sup> -11<sup>th</sup> January, 2017.
4. National conference and workshop on Green chemistry: Teaching and Technology, 20<sup>th</sup> October, 2016.
5. National seminar on “Biodiversity, Conservation and Eco Tourism” Chittorgarh, 27<sup>th</sup> - 28<sup>th</sup> September, 2016.
6. National conference on “Natural Vegetation, Environmental Balance and Plantation”, Udaipur, 25<sup>th</sup> July, 2016.
7. National conference on “Recent Advances in Biological Sciences, Biotechnology and Sustainable Development”, Udaipur, 18<sup>th</sup> -19<sup>th</sup> March, 2016.
8. The 6<sup>th</sup> World Congress on Biotechnology, New Delhi, 05<sup>th</sup> to 07<sup>th</sup> October, 2015.
9. International Conference on “2015 NextGen Genomics, Biology, Bioinformatics and Technologies (NGBT)”, Hyderabad, 1<sup>st</sup> to 3<sup>rd</sup> October, 2015.
10. International Conference on “Antimicrobial resistance, novel drug discovery and development: Challenges and opportunities”, New Delhi, 2<sup>nd</sup>-3<sup>rd</sup> March, 2015.
11. 2<sup>nd</sup> International Conference on “Applied Sciences, Environmental Engineering and Energy Technology for Sustainable Development”, New Delhi, 14<sup>th</sup> – 15<sup>th</sup> February, 2015.
12. 5<sup>th</sup> International conference on “Climate change and sustainable management of natural resources”, Gwalior, 9<sup>th</sup> – 11<sup>th</sup> February, 2015.
13. 4<sup>th</sup> International science congress on “Global Research: Enhancement, reforms and commercialization”, Udaipur, 8<sup>th</sup> – 9<sup>th</sup> December, 2014.
14. National conference on “Climate Change and Environment”, Udaipur, 23<sup>rd</sup>- 24<sup>th</sup> December, 2013.
15. 1<sup>st</sup> Rajasthan science congress on “New frontiers of science and technology and innovation for development in Rajasthan”, Jaipur, 11<sup>th</sup> to 13<sup>th</sup> May, 2013.
16. International conference on “Managing change in business and economy”, Udaipur, 6-7<sup>th</sup> April, 2013.
17. 19<sup>th</sup> ISCB International conference (ISCB-2013) entitled “Recent advances and current trends in chemical and biological sciences”, Udaipur, 2-5<sup>th</sup> March, 2013.
18. A lecture workshop on “Frontiers in cell and molecular biology”, Udaipur, 14-15<sup>th</sup> February, 2013.

19. International Conference on "Agriculture, Foods Sciences & Environmental Technology for Sustainable Global Development", New Delhi, 28<sup>th</sup> to 29<sup>th</sup> October, 2012.
20. 52<sup>nd</sup> Annual Conference of AMI entitled "International conference on Microbial Biotechnology for sustainable development", Chandigarh, 3<sup>rd</sup> to 6<sup>th</sup> November, 2011
21. International Conference on Folk and Herbal Medicine, Udaipur, 25<sup>th</sup> to 27<sup>th</sup> November, 2010.
22. 5<sup>th</sup> World Congress of Cellular and Molecular Biology, Indore, 2<sup>nd</sup> to 6<sup>th</sup> November, 2009
23. The 96th Indian Science Congress, Shillong, 3<sup>rd</sup> to 7<sup>th</sup> January, 2009.
24. 49th Annual Conference of AMI entitled "International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics", Delhi, 18<sup>th</sup> to 20<sup>th</sup> November, 2008.
25. XXXVI Dairy Industry Conference, Varanasi, 19<sup>th</sup> to 21<sup>st</sup> February, 2008.
26. National Symposium on Plant Biotechnology for Conservation, Characterization and Crop Improvement, Udaipur, 8<sup>th</sup> to 12<sup>th</sup> February, 2008.
27. 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.
28. Third International Conference on "Fermented Foods, Health Status and Social Well-being", Anand, 14<sup>th</sup>-15<sup>th</sup> December, 2007.
29. National Symposium on "Emerging Trends in Plant Biology, Environment Protection and Biotechnology" Udaipur, 9<sup>th</sup> to 11<sup>th</sup> October, 2006.
30. 7<sup>th</sup> Annual Conference of Society of Science and Environment, Udaipur, 17<sup>th</sup> -18<sup>th</sup> September, 2005.
31. The 4<sup>th</sup> World Congress of Cell and Molecular Biology, Poitiers (France), 7th to 12<sup>th</sup> October, 2005.

## BOOKS PUBLISHED

1. Co-Author (with Prof. B.L. Chaudhary) **Pharmaceutical Microbiology** (2005) Apex Publishing House, Udaipur.
2. Co-Author (with Prof. B.L. Chaudhary) **Pharmaceutical Biochemistry** (2006) Apex Publishing House, Udaipur.
3. Co-Author (with Prof. B.L. Chaudhary) **Elements of Biochemistry** (2006) Apex Publishing House, Udaipur.
4. Co-Author (with Prof. B.L. Chaudhary) **Pharmaceutical Biochemistry & Clinical Pathology** (2008) Apex Publishing House, Udaipur.
5. Co-Author (with Prof. B.L. Chaudhary) **Pharmaceutical Biochemistry & Clinical Pathology: A Practical Manual** (2009) Apex Publishing House, Udaipur.

### Research Projects Awarded and Completed

PI	Title	Agency	Duration	Amount (Rs.)
Dr. Harshada Joshi	Diversity of lactobacilli associated with camel milk in Southern Rajasthan.	U.G.C.	July 2011- June 2014	10,88,129/-
	Diversity of metal-tolerant bacteria occurring in heavily polluted soil and mine spoil in Zawar , Udaipur ( India ).	D.S.T, New Delhi	July 2012- June 2015	13,80,000/-