

Dr. Krishna K. Joshi

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OBJECTIVE

Highly motivated and innovative Microbiologist with specialization in *in silico drug design*. Having vast Teaching experience for the Subject Biochemistry and Biotechnology. Passionate about learning new scientific skills. Enthusiastic team player adept at providing leadership while also learning from fellow team members. Experienced in managing multiple projects simultaneously. Effective communicator and teacher that can conceptualize complex Microbiologist to audiences with varied expertise.

EDUCATION

Ph.D. in Microbiology, Saurashtra University, Rajkot, 2009

(Topic: Antimicrobial and Biochemical studies of some bioactive compounds.)

Master of Science in Biochemistry, Saurashtra University, Rajkot, 2001

Bachelor of Science in Biochemistry, Saurashtra University, Rajkot, 1999

EXPERIENCE

2009 to 2016 Lecturer for Biotechnology Engi. V.V.P Engi. College, Rajkot

2002 to 2009 Adhoc Lecturer for Biochemistry Dept. of Biochemistry,
Saurashtra Unit.

2001 to 2002 Adhoc Lecturer in Biochemistry Shri M.N.Virani Science
College, Rajkot

QUALIFICATIONS

17+ years' Experience in Teaching Field.

4+ years' Experience in Research Field.

2+ Years' Experience of Dissertation Guide for M.Sc. students

4 International & 8 National Level Research Papers Presentation.

12 International & National Publications

Research Guide at JJT University, Rajasthan.

FIELD EXPERIENCE

- Contributed as a Judge in DBT sponsored National Symposium- Atmiya Scitech Utsav-2017 held on 10th and 11th February 2017
- Resource person in GSBTM Sponsored Crash workshop for TY students organized by Virani Science college, Rajkot on 23rd to 30th April 2016
- Gave an Expert talk on Nucleotide Metabolism in GSBTM sponsored CRASH Workshop by Shree M & N Virani Science College, Rajkot held between 19th April to 26th April 2014 as well as 25th April to 30th April 2016.
- Biochemistry syllabus to be managed under the Department of Chemistry, Saurashtra University, Rajkot
- Visiting lecturer at Dept. of Chemistry KSKV University, Kutchh.
- Draw the final examination papers as an University examiner at KSKV University, Kutchh
- Draw the final examination papers as an University examiner for Biotechnology subject for BE course.
- Guided various projects for final year and prefinal year students of BE Biotechnology

COORDINATING EXPERIENCE

- A day National Level Symposium on “Recent Trends in Cellular Research” as an **Organizing Secretary** at Dept. of Biochemistry, Saurashtra University on 9th March 2009.
- **2** days’ workshop on “Patenting in Engineering” as a coordinator held at V.V.P. Engg. College, Rajkot by Gujarat Technological University
- Project – IDP/UDP related matter as a **UDISHA Coordinator** with GTU Innovation Council(GIC), Ahmedabad
- Member of Reviewer Committee of International Conference on “Innovative Technologies in Engineering and Sciences – 2013 organized by V.V.P. Engg. College, Rajkot
- Committee member for the scrutiny of ideas, projects, innovation and startups applying for Nodal Institute/Technology Business Incubator at GTU from 5th June 2016.

AWARDS

- Received the **Best UDISHA coordinator** Award by GTU innovation Council on 14th February 2013.
- **Guide Recognition Award** for Indian Science & Engineering Fair September 30th 2013.
- Appreciation by Dr. R. A. Mashelkar for contributing in TECHPEDIA, At IIM Ahmedabad on 5th April 2012
- **FINAL Reviewer** for (GYTI) Gandhian Young Technological Awards, 2014 By SRISTI, Ahmedabad

PAPER / POSTER PRESENTATION

International LEVEL

1. Poster presentation at international symposium on Recent Trends in drug discovery Organized by ISCB and Saurashtra University on 8th January 2005.
2. Oral presentation at “5th world Congress on Cellular and Molecular Biology on – “Antimicrobial and molecular docking study of some heterocyclic compounds” held at Indore, 2-6 Nov. 2009.
3. Presented poster in international conference organized by ISCB in 4-7 February 2011 at Rajkot.
4. Presented Poster in International conference “ICISSET”, Organized by V.V.P. Engg. College, during 8-9th April 2011.

National LEVEL

1. Presented poster in National Conference on Environmental Biology on 17-18 October 2002 held by Department of Biosciences, Saurashtra University, Rajkot.
2. Presented poster in *UGC assisted National Seminar on Current Trends and Issues in Home Science held at Smt. S.B.Gardi Institute of Home Science, Saurashtra University, Rajkot on 24th and 25th January 2004 on “ small screening of Microbial population from locally made tomato catchup and jam”.
3. Second best poster presentation in National Symposium on Cellular Research held by Dept. of Biochemistry, Saurashtra University, Rajkot on 9th march 2009.
4. Presented **oral paper** in XXI Gujarat Science Congress on ‘Science and Knowledge Society held Hemchandracharya North Gujarat University, Patan, on March 11, 2007.
5. Presented **oral paper** in National Seminar on Emerging Trends in Medicinal Plants Based Pharmaceuticals organized by ATMIYA institute of Pharmacy on 29th February and 1st March 2008.
6. Presented poster in national seminar on recent trends in microbial technology organized by Virani Science College, Rajkot in March 2011.
7. Presented poster in National Seminar on “Recent advances in Microbial Techniques” organized by Virani Science College, Rajkot on 28th February 2011.
8. Presented Poster in GSBTM sponsored one day National seminar on “ Challenges & Opportunities in Life Sciences” held on 29th March 2014, by Dept. of Biochemistry, Saurashtra University, Rajkot

TRAINING & WORKSHOPS ATTENDED

1. Completed Certificate course in Bioinformatics Essential from May27-June 5, 2008 conducted by I Life Academy.
2. Attended UGC sponsored National Level Workshop on “Bioinformatics in Genetic Engineering” held on 16th February 2009 at Dept. of Biotechnology, Shri M. & N. Virani Science College, and Rajkot.
3. Participated in UGC Sponsored National Level Workshop on “Computer Aided Drug Designing”, held on 17th February 2009 at Dept. of Biotechnology, Shri M. & N. Virani Science College, Rajkot.
4. Works shop on “Understanding Reaction Mechanism” during 28- 29th February 2004 held by department of Chemistry Saurashtra University.
5. Works shop on Pollution of coastal and marine environment of Saurashtra and Kachchh, held by Virani Science College, Rajkot
6. Works shop on Business Opportunity of marine biotechnology held by VVP and GSBTM ion 23 rd August 2007
7. National workshop on Bioinformatics held at Christ College, Rajkot in Sep.2009.
8. National workshop on Cheminformatics held at Christ College, Rajkot in Sep.2009.
9. Participated in 5 days Short Term Training Programme on “Modern Analytical Techniques” organized by KSKV University, Kutch in July 2011.
10. Two days work shop on “patenting in Engineering” organized by Gujarat Technical University at Gandhinagar on 24-25 sept. 2011.
11. Participated and coordinated Two days work shop on “patenting in Engineering” organized by Gujarat Technical University at V.V.P. Engg. College, Rajkot on 7-8 January 2012.
12. Participated in a Mission 10X workshop conducted at V.V.P. Engg. College, Rajkot from 7th May to 11th May 2012.
13. Two days workshop on “ Advance workshop of patent search and drafting of patent application”, organized by Gujarat Technological University, Ahmadabad on 28- 29th April 2012
14. Partricipated the STTP on “Environmental Awarness and Protection Technologies” during June 24-28 2013 at V.V.P. Engg. College, Rajkot
15. Attended STTP on “Training Programme on Environment Awarness” during 18-19th march 2013 held at V.V.P. Engg. College, Rajkot

CONFERENCES / SEMINARS AND SYMPOSIA PARTICIPATED

International

1. Participated in 3rd International Seminar on Ayurveda organized by Gujarat Ayurved University, Jamnagar on 3-5th February 2002.
2. International symposium on Molecular Medicine with Special Reference to the Molecular Biology of Infectious Diseases organized by Comed Biotech Ltd., State University of New York at Buffalo and M.S.University of Baroda on 26th and 27th December 2003.
3. Participated in International symposium on Recent Trends in Drug Discovery organized by ISCB, CDRI, and Dept of Chemistry, Saurashtra University Rajkot.

National

1. National level science symposium organized by Christ College, Rajkot on 17th January 2005.
2. National seminar on “Recent Advances in Chemical Sciences & an approach to Green chemistry” held by GUJCOST and Dept. of Chemistry, Saurashtra University, Rajkot on 11th to 13th October 2006.
3. National Seminar on “Current Trends in Molecular Biology and Clinical Drug Trails” held by GCRI, Ahmadabad on 3ed October 2007.
4. National Symposium on “Global prospective on Pharma Patents” held at Dept. of Pharmaceutical Sciences, Saurashtra University, and Rajkot on 15th march 2008.
5. Participated in seminar “Science and Technology for Modern Society” organized by Biotech. Engg. Dept., V.V.P. Engg. College, Rajkot on 18th January 2014
6. All India seminar on “Cost effective and Emerging Effluent Treatment Technologies organized by The Institution of Engineers (India) held on 15th March 2014.
7. State level Seminar on “Basic aspect of Bioinformatics” held at Christ College, Rajkot
8. State level seminar on “Frontier and advances in biological sciences in new millennium” on 11 august 2002 held at Virani science college, Rajkot
9. State level seminar of micro study 21 December 2003 held at Virani Science College.

NATIONAL/INTERNATIONAL PUBLICATIONS

1. Akbari, J.D., Tala, S.D., Dhaduk, M.F., Joshi, H.S., Mehta, K.B., and Pathak, S.J.,: "Synthesis of some New Pyrazolo[3,4-d]pyrimidines and Thiazolo[4,5-d]pyrimidines and Evaluation of Their Antimicrobial activities": *Phosphorus, Sulfur, Silicon*.183:1471-1477 (2008)
2. Akbari,J.D., Kachhadia, P.K., Tala, S.D., Bapodra, A.H.,Dhaduk, M.F., Joshi,H.S., Mehta,K.B., and Pathak,S.J.,: "Synthesis of Some New 1,2,3,4-Tetrahydropyrimidine-2-thiones and their Thizaolo[3,2-a] pyrimidine derivatives as potant Biological Agents": *Phosphorus, Sulfur, Silicon*.183: 8,1911-1922 (2008)
3. Akbari, J.D., Joshi, H.S., Mehta, K.B., and Pathak, S.J.,: "Synthesis and Antimicrobial activity of some new pyrazolo [3,4-d] pyrimidines and thiazolo [4,5-d] pyrimidines":*Indian J. Chem. 47B*:477-480 (2008)
4. Sood, P.P., Joshi, R., Gupte, K., Vekariya, V., Vekaria, P., Delvadiya, C., Ankola, P., Barchha, S., Manvar, R., Kundu, R.S., Joshi, K.K.and Shah, A.
"Superiority of herbal and natural antioxidants mix therapy over their individual applications in methylmercury stressed chick: 1. Curcumin, vitamin B complex and glutathione combinations"
Journal of Cell and Tissue Research Vol. 9(2) 1803-1810 (2009) ISSN: 0974-0910
5. *Journal of Cell and Tissue Research* Vol. 10(1): 2059-2067(2010)
Superiority of herbal and natural antioxidants mixed therapy over their individual applications in methylmercury stressed chick: 2. Ashwagandha, vitamin E and glutathione combinations
Sood, P.P., Gupte, K., Joshi, R., Vekariya, V., Vekaria, P., Delvadiya, C., Ankola, P., Barchha, S., Manvar, R., Joshi, K.K.and Shah, A., Department of Biochemistry, Saurashtra University, Rajkot 360 005. E. mail: ppsood@yahoo.com
6. *Journal of Cell and Tissue Research* Vol. 10(2): 2243-2250 (2010)
Evaluations of antimicrobial activity of some pharmacological important dihydropyrimidines compounds
Joshi, K. K., Akbari, J. and Joshi, H. S., Department of Biotechnology, V.V. P. Engineering College, Rajkot 360 005; E. mail: krishnaonline06@gmail.com
7. Biochemical alterations in fish tissues during mercury intoxication and revitalization during monothioles and vitamins therapy.
Rao, A.P., Joshi, K.K.,Tyagi, S. and Sood, P.P. One Fifty two Huron Drive, Bloomingdale, IL 60108, USA. *Journal of Cell and Tissue Research* Vol. 10(3): 2311-2318 (2010)
8. *Journal of Cell and Tissue Research* Vol. 10(3): 2405-2411 (2010)
Fluctuations of glycosidases during mercury stress and their renovation with natural and synthetic antioxidants and B vitamins

Sood, P.P., Rao, A.P., Joshi, K.K., Tyagi, S., Patel, A.D., Sheth, N.R. and Shah, A., Department of Biochemistry, Saurashtra University, Rajkot.

9. Journal of Herbal Medicine and Toxicology: Vol.4(2): 25-34 (2010)
BIOCHEMICAL ALTERATIONS OF CARBOHYDRATE METABOLIZING ENZYMES IN MMC STRESSED MICE AND AMELIORATIVE EFFECT OF NATURAL AND SYNTHETIC ANTIOXIDANTS
P. P. Sood*, K. Vijayalakshmi, K.K. Joshi¹, S. Tyagi², N.R. Sheth³ and A. Shah⁴.
Department of Biochemistry, Saurashtra University, Rajkot; ¹Department of Biotechnology, V.V. Engineering College, Rajkot; ²Department of Pediatrics, Fortis Hospital, Noida 201 301; ³Department of Pharmaceutical Sciences, Saurashtra University, Rajkot; ⁴Department of Chemistry, Saurashtra University, Rajkot 360 005
10. International Journal of Scientific and Engineering Research: Volume 4, Issue3, March 2013 Edition (ISSN: 2229-5518): -In silico study of novel Dihydropyrimidines against Anti-Cancer, Anti Tuberculosis, Anti HIV and Anti-Malarial activity.
Authors: Krishna K. Joshi (Mehta), Rajesh K. Patel, Hitendra S. Joshi., Dept. of Biosciences, Dept. of Chemistry, Saurashtra University, Rajkot- 3600005
11. Journal of Ecology and Environmental Sciences: Vol.6(1): 147-153 (2015)
SOLID WASTE MANAGEMENT USING COMPOSTING TECHNOLOGY
TRIVEDI S.1*, CHAHAR O.2 AND MEHTA K.1
¹Department of Biotechnology Engineering, V.V.P. Engineering College, Rajkot - 360 005, Gujarat, India.
²Department of Allied Sciences, Shri Jagdishprasad Jhabarmal Tibrewala University, Jhunjhunu - 333 001, Rajasthan, India.
12. International Journal of Current Engineering and Technology: Vol. 5(4): 2743-2750 (2015)
Solid Waste Management using Biogas Technology
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Professional Membership

- Life member of Society of Science and Environment.
- Life member of BRSI
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References

On request