


<b>Faculty Name</b>	<b>Dr. SINOSH SKARIYACHAN</b>	
<b>Designation</b>	<b>Associate Professor</b>	
<b>Educational Qualifications</b>	M. Sc. (Bioinformatics) M. Sc. (Microbiology) Ph. D. (Biotechnology)	
<b>Experience in Years</b>	13	
<b>Area of Interest</b>	<ul style="list-style-type: none"> <li>• Microbial, Environmental and Food Biotechnology</li> <li>• Bacterial multi-drug resistance</li> <li>• Bioinformatics, Genomics and Proteomics</li> <li>• Molecular Modeling and Computational Drug Designing</li> </ul>	
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## **PUBLICATIONS:**

- International Journals: **33**
- Text book: **01**
- Book chapters: **03**
- Conference proceedings (National & International): **58**

### **International Journals:**

1. **S. Skariyachan**, A. Parveen, S. Garka. "Nanoparticle Fullerene (C60) demonstrated stable binding with antibacterial potential towards probable targets of drug resistant Salmonella typhi - A computational perspective and in vitro investigation" J Biomol Struct Dyn. vol. 23: pp. 1-20. November 2016. (**Impact factor 2.30**).
2. **S. Skariyachan**, V. Manjunatha, S. Sultana, C. Jois, V. Bai, K. S. Vasist. "Novel bacterial consortia isolated from plastic garbage processing areas demonstrated enhanced degradation for low-density polyethylene". Environ Sci Pollut Res Int. vol. 23, pp. 18307-18319. September 2016. (**Impact factor: 2.76**)
3. **S. Skariyachan**, A. Acharya, S. Subramaniyan, S. Babu, S. Kulkarni, R. Narayanappa "Secondary metabolites extracted from marine sponge associated *Comamonas testosteroni* and *Citrobacter freundii* as potential antimicrobials against MDR pathogens and hypothetical leads for VP40 matrix protein of Ebola virus: An *in vitro* and *in silico* investigation" J Biomol Struct Dyn.18:1-19. vol.34, pp. 1865-1883. September 2016. (**Impact factor: 2.30**)
4. **S. Skariyachan S.** "Assessment of antibiotic resistance patterns of the fecal coliforms isolated from Cauvery River and screening of novel herbal lead molecules against probable drug targets of MDR pathogens by computational virtual screening". Int J Infect Dis. vol, 45, pp. 116-117. March 2016. (**Impact factor: 2.43**)

5. **S. Skariyachan**, A. Prasanna, S. P. Manjunath, S. K. Karanth, A. Nazre. "Exploring the medicinal potential of the fruit bodies of Oyster mushroom, *Pleurotus ostreatus* (Agaricomycetes), against multidrug-resistant bacterial isolates" *Int J Med Mushrooms*. vol.18, pp. 245–252. 2016. **(Impact factor: 1.10)**
6. A. S. Setlur, S. Y. Naik, **S. Skariyachan**. "Herbal lead as ideal bioactive compounds against probable drug targets of Ebola virus in comparison with known chemical analogue: A computational drug discovery perspective" *Interdiscip Sci*. doi 10.1007/s12539-016-0149-8. February 2016. **(Impact factor: 0.88)**
7. **S. Skariyachan**, A. Prasanna, S. P. Manjunath, S. S. Karanth, A. Nazre "Environmental assessment of the degradation potential of mushroom fruit bodies of *Pleurotus ostreatus* (Jacq.: Fr.) P. Kumm. towards synthetic azo dyes and contaminating effluents collected from textile industries in Karnataka, India" *Environ Monit Assess*. vol. 188, pp.121. February 2016. doi: 10.1007/s10661-016-5125-6. **(Impact factor: 1.63)**
8. **S. Skariyachan**, A. B. Mahajanakatti, N. J. Grandhi, A. Prasanna, B. Sen, N. Sharma, K.S. Vasist, R. Narayanappa. "Environmental monitoring of bacterial contamination and antibiotic resistance patterns of the fecal coliforms isolated from Cauvery River, a major drinking water source in Karnataka, India" *Environ Monit Assess*. vol. 187, pp. 279. May 2015. doi: 10.1007/s10661-015-4488-4 **(Impact factor: 1.68)**
9. V. Satyanarayan, D. Mohan, **S. Skariyachan**, R. Narayanappa. "Computational virtual screening and preliminary cytotoxicity assay of novel herbal therapeutics on MCF-7 cell lines" *International Journal of Applied Sciences & Engineering (IJASE)*. vol 1, pp. 65-71. 2015.
10. **S. Skariyachan**, A. Pachiappan, J. Joy, R. Bhaduri, I. Aier, K.S. Vasist. "Investigating the therapeutic potential of herbal leads against drug resistant *Listeria monocytogenes* by computational virtual screening and *in-vitro* assays" *J Biomol Struct Dyn*. vol. 33, pp. 2682-2694.2015. **(Impact factor: 2.30)**
11. P. Patil, **S. Skariyachan**, E. Mutt, S. Kaushik. "Computational analysis of the domain architecture and substrate-gating mechanism of prolyl oligopeptidases from *Shewanella woodyi* and identification probable lead molecules" *Interdiscip Sci Comput Life Sci*. February 2015. doi: 10.1007/s12539-014-0244-7) **(Impact factor: 0.88)**.
12. **S. Skariyachan**, M. Megha, M. N. Kini, M.K. Mukund, A. Rizvi, K. Vasist. "Selection and screening of microbial consortia for efficient and ecofriendly degradation of plastic garbage collected from urban and rural areas of Bangalore, India" *Environ Monit Assess*. vol. 187, pp. 4174. January 2014. **(Impact factor: 1.68)**
13. **S. Skariyachan**, N. S. Narayan, T. S. Aggimath, S. Nagaraj, M. S. Reddy, R. Narayanappa "Molecular modeling on streptolysin-O of multidrug resistant *Streptococcus pyogenes* and computer aided screening and in vitro assay for novel herbal inhibitors" *Curr Comput Aided Drug Des*. vol. 10, pp. 59-74. March 2014. **(Impact factor: 1.98)**
14. **S. Skariyachan**, A. G. Rao, M. R. Patil, B. Saikia, K. N. V. Bharadwaj, G. S. J. Rao GSJ "Antimicrobial

potential of metabolites extracted from bacterial symbionts associated with marine sponges in coastal area of Gulf of Mannar Biosphere, India” Lett Appl Microbiol. vol. 58, pp. 231-241. March 2014. **(Impact factor: 1.66)**

15. A. B. Mahajanakatti, G. Murthy, N. Sharma, **S. Skariyachan**. “Exploring inhibitory potential of curcumin against various cancer targets by *in silico* virtual screening”. Interdiscip. Sci. vol. 6, pp.13-24. March 2014. **(Impact factor: 0. 88)**
16. K.S. Showmy, **S. Skariyachan**, A. Yusuf. “Comparative modelling of pathogenesis related 4b protein (Q6T5J8) of *Oryza sativa* subsp. *indica* with the three-dimensional structure of barley1BW3” International Journal of Plant, Animal and Environmental Sciences. vol. 4, pp. 41-45. 2014. **(Impact factor: 1. 33)**
17. **S. Skariyachan**, N. Jayaprakash, N. Bharadwaj, R. Narayanappa. “Exploring insights for virulent gene inhibition of multidrug resistant *Salmonella typhi*, *Vibrio cholerae*, and *Staphylococcus aureus* by potential phytoligands via *in silico* screening”. J Biomol Struct Dyn. vol. 32, pp. 1379-1395. 2014. **(Impact factor: 2. 30)**
18. **S. Skariyachan**, P. Lokesh, R. Rao, A.U. Kumar, K. Vasist, R. Narayanappa. “A pilot study on water pollution and characterization of multidrug resistant superbugs from Byramangala tank, Ramanagara district, Karnataka, India” Environ Monit Assess. vol. 185, pp. 5483-5495. July 2013. **(Impact factor: 1. 68)**
19. **S. Skariyachan**, N. Prakash, N. Bharadwaj N. “*In silico* exploration of novel phytoligands against probable drug target of *Clostridium tetani*. Interdiscip Sci Comput Life Sci vol. 4, pp. 273-281, December 2012. **(Impact factor: 0. 88)**
20. M. Shrinivasan, **S. Skariyachan**, V. Aparna, V. R. Kolte. “Homology modelling of CB1 receptor and selection of potential inhibitor against Obesity” Bioinformation vol. 8, pp. 523-528. 2012. **(Impact factor: 0. 62)**
21. **S. Skariyachan**, A. B. Mahajanakatti, N. Sharma, S. Karanth, S. Rao and N. Rajeswari. “Structure based virtual screening of novel inhibitors against multidrug resistant superbugs, Bioinformation vol. 8, pp. 420-425. 2012. **(Impact factor: 0. 62)**
22. **S. Skariyachan**, N. Bharadwaj, N. Prakash N. “Computer aided virtual screening and selection of novel phytoligands against shigellosis” International Journal of Current Research. vol. 4, pp. 84-90. 2012. **(Impact factor: 1. 25)**
23. **S. Skariyachan**, R. S. Krishnan, S. B. Siddapa, C. Salian, P. Bora, D. Sebastian. “Computer aided screening and evaluation of herbal therapeutics against MRSA infections” Bioinformation vol. 7, pp. 222-233. 2011. **(Impact factor: 0. 62)**
24. **S. Skariyachan**, A. B. Mahajanakatti, N. Sharma, M. Sevanan. “Selection of herbal therapeutics against deltatotoxin mediated clostridial infections” Bioinformation vol. 6, pp. 375-379. 2011. **(Impact factor: 0.**

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25. D. M. S. Reddy, S. **Skariyachan**, B. Palanivel, D. T. Anish, J. Kiran, R. Gopal. "Viro-informatics: Finding a herbal remedy for AIDS and blocking the translation pathway of HIV glycoproteins by RNAi technique" Int J Pharm Sci Rev Res. vol. 10, pp.142-146. 2011. **(Impact factor: 2. 53)**
26. B. M. Arpitha, N. Sharma, S. **Skariyachan** S. "In silico investigation and docking simulations of CagA of *Helicobacter pylori*: A rational drug design for gastroduodenal cancer" Journal of Carcinogenesis, vol. 10, pp S2- S3 2011. **(Impact factor: 2. 00)**
27. S. K. Rao, U.B. Biradar, **S. Skariyachan**. "Discovery and evaluation of potential inhibitors for prostate and breast cancer" Journal of Carcinogenesis, vol. 10, pp S15-S16. 2011. **(Impact factor: 2. 00)**
28. **S. Skariyachan**, N. Sharma, B. M. Arpitha. "An integrative *in silico* characterization and docking studies of  $\beta$ -enolase: a novel therapeutic insight for  $\beta$ -enolase deficiency" Int J Pharm Biosci vol. 2, pp.153-165. 2011.
29. **S. Skariyachan**, A. Jagadeesh, M.S. Kumar, M.R Shetty, V. S. Singh. "Fermentative production and downstream characterization of single cell protein from food wastes" Int J Pharm Sci Bio. vol. 1, pp. 294-300. 2010.
30. **S. Skariyachan**, R.S. Krishnan, U.B. Biradar. "In silico investigation and docking studies of E2F3 tumor marker: Discovery and evaluation of potential inhibitors for prostate and breast cancer" Int J of Pharma Sci & Drug Res. vol. 2, pp. 254-260. 2010. **(Impact factor: 1. 35)**
31. **S. Skariyachan**, A. B. Mahajanakatti, U.B. Biradar, N. Sharma, M. Abhilash "Isolation, Identification and characterization of *Clostridium perfringens* from cooked meat poultry samples and *in silico* biomodeling of its delta enterotoxin" Int J Pharm Sci Rev Res. vol. 4, pp. 164-172. 2010. **(Impact factor: 2. 53)**
32. **S. Skariyachan**, M. P. Ashwini, C.H.A. Hina, D. M. Jain, M. Abhilash. "Design and discovery of novel therapeutic drugs against *Helicobacter pylori* gastroduodenal cancer by *in silico* approach", Res J Pharm Biol Chem Sci. vol. 1, pp. 1005-1016. 2010. **(Impact factor: 0. 35)**
33. B. M. Arpitha, N. Sharma, **S. Skariyachan**. "In silico biomodelling and docking studies of claudin 1: A rational approach of drug design for enteropathogenic *E. coli* infections". Int J Pharm Sci Res.vol. 9, pp. 421-429.

### **Text book**

1. **S. Skariyachan**, M. Abhilash. *Introduction to Food Biotechnology*, CBS publishers and distributors, New Delhi, 2012. (ISBN: 978-81-239-2207-2).

### **Book chapters**

1. **S. Skariyachan**, A. S. Setlur, S. Y. Naik. "Evolution and prevalence of multidrug resistance among food borne pathogens" in *Food-borne Pathogens and Antibiotic Resistance*. Editor(s): Om V. Singh, John Wiley & Sons, Inc., NJ, 2016. (Accepted, In press).

2. **S. Skariyachan.** "Exploring the potential of herbal ligands towards multidrug resistant bacterial pathogens by computational drug discovery" In *Dongqing Wei (editor) Translational Bioinformatics and Its Application*. Springer, 2016 (Accepted, In press).
3. **S. Skariyachan.** "Inhibition of virulence potential of *Vibrio cholerae* by natural compounds" Sakharkar KR, Sakharkar MK, and Chandra R (Eds.). in *Post-genomic approaches in drug and vaccine development*, Chapter 13, 333-367, River Publishers, Denmark. 2014.

#### **Abstracts in conference proceedings (National and International)**

1. Shruthi Garka, **Sinosh Skariyachan**, Sushmitha Puttaswamy, Shobitha S, Raksha Devaraju, Rajeswari Narayanappa (2016). Novel antimicrobial peptides from marine actinomycetes from coastal areas of South Karnataka and study of their therapeutic potential against multidrug resistant clinical pathogens. 57<sup>th</sup> Annual conference of Association of Microbiologist of India (AMI) and International Symposium on Microbes and Biosphere; what is new what is next, Jointly Organized by Guwahati, University and the Institute of Advanced Study in Science and Technology (IASST), Guwahati, Assam, India. 24-27 November 2016.
2. Liji P, **Sinosh Skariyachan**, Harikumar Thampi BS (2016). The anti proliferative activity of butyric acid derivatives in colon cancer cell lines and their molecular docking studies with GPR109A receptor. 85<sup>th</sup> Annual Meeting of Society of Biological Chemists (India), CSIR-Central Food Technological Research Institute, Mysore, India, 21- 24 November 2016.
3. Anagha S Setlur, Sujay Y Naik, Makam Usharani, Ashwini A Naik, **Sinosh Skariyachan** (2016). Application of novel thermophilic bacterial consortia screened from cow dung as an eco-friendly approach for the degradation of plastic garbage in Bengaluru city. 39th Series Student Project program -2015-16. State Level Seminar and Exhibitions, Karnataka State Council for Science and Technology (KSCST). Organized by B.L.D.E. Association's V. P. dr. P.G. Halakatti College of Engineering & Technology, Vijapura, Karnataka. 19-20 August 2016.
4. Asma Parveen, **Sinosh Skariyachan** (2016). Illustrating the binding potential of nanoparticles towards major drug targets of multidrug resistant Salmonella typhi and exploring the utility of nanoleads as novel therapeutic agents. International Conference on Nanotechnology (ICNANO-2016). Organized by Department of Nanotechnology, Visvesvaraya Technological University in association with Electrochemical Society of India and Indian Ceramic Society Bangalore Chapter, Muddenahalli, Chikkaballapur, Karnataka. 21-23 April 2016.
5. **Sinosh Skariyachan** (2016). Assessment of antibiotic resistance patterns of the fecal coli forms isolated from Cauvery River and screening of novel herbal lead molecules against probable drug targets of MDR pathogens by computational virtual screening. 17 International Congress of Infectious Disease, Organized by Society for Infectious Disease. Hyderabad Convention Centre, Hi-Tech City, Hyderabad, India, 2- 5 March 2016.
6. Vishal Manjunatha, **Sinosh Skariyachan**, Kiran S Vasist (2016). Enhanced plastic degradation potential of novel microbial consortia of *Enterobacter* spp. and *Pantoea* spp. screened from various plastic garbage processing areas in Bangalore City. Bangalore India Bio-2016, International Conference, 9-11 February 2016.
7. Anagha S Setlur, Sujay Y Naik, **Sinosh Skariyachan** (2015). Herbal therapeutics as probable lead molecules against viral matrix proteins of Ebola virus: A computational virtual screening approach. National Symposium on Next Generation Sequencing and Microarray Data Analysis. Organized by

Department of Computer Applications, M.S. Ramaiah institute of technology under TEQIP-II Program, 19 January 2016.

8. **Sinosh Skariyachan**, Vishal Manjunath, Subiya Sultana, Chandana Jois, Vidya Bai, Kiran S Vasist(2015). Formulation and characterization of novel plastic degrading microbial consortia isolated from plastic garbage processing areas of urban and rural Bangalore and study their biodegradation potential. 56<sup>th</sup> Annual Conference of Association of Microbiologists of India (AMI-2015) & International Symposium on "Emerging Discoveries in Microbiology". School of Life Science, Jawaharlal Nehru University, New Delhi, 7-10 December 2015.
9. **Sinosh Skariyachan**, Kiran S Vasist, Narayanappa Rajeswari (2015). Environmental monitoring of antibiotic resistance patterns of the fecal coliforms isolated from Cauvery River, major drinking water source in Karnataka, India and screening of novel herbal lead molecules against probable drug targets of MDR pathogens by computational virtual screening. 56<sup>th</sup> Annual Conference of Association of Microbiologists of India (AMI-2015) & International Symposium on "Emerging Discoveries in Microbiology". School of Life Science, Jawaharlal Nehru University, New Delhi, 7-10 December 2015.
10. Sujay Y Naik, Anagha S Setlur, **Sinosh Skariyachan** (2015). Computational virtual screening of herbal leads from *Syzygium aromaticum* and *Murraya koenigii* as probable lead molecules against the major drug targets of Ebola virus. One-Day seminar on management of lifestyle disorders through herbal products, Organized by Department of Biotechnology, Sir. M. Visvesvaraya Institute of Technology 10 October 2015.
11. Sanjana Govindaraja, Vijayashree Narasimha Kumar, Keerthana Narayanan, Meghashri Kuruba Lakshminarayan, **Sinosh Skariyachan**, Kiran S (2015). Exploring the potential of Bacteriocin producing *Pediococcus* spp. as bio preservative in food industry. National Conference on "Utilization of Bio-diversity for Value Added Products: Food, Pharma, Nutraceuticals and Biofuels (NCUBD – 2015)". Organized by Dept. of Biotechnology, Chemical Engineering & Chemistry, Dayananda Sagar College of Engg., 25 & 26 September 2015.
12. Anagha Sletur, Sujay Y Naik and **Sinosh Skariyachan** (2015). National conference on utilization of biodiversity for value added products: food, pharma, nutraceutical and biofuels. Jointly Organized by Department of Biotechnology, Chemical Engineering, Chemistry, Dayananda Sagar College of Engineering, Bangalore, 25-26 September 2015.
13. Anagha Sletur, Sujay Y Naik and **Sinosh Skariyachan** (2015). Exploring the Biodegradation Potential of Nickel and Chromium Degrading Bacteria Isolated from Selected Electroplating Industries in Bangalore city. 2<sup>nd</sup> National Conference on Emerging trends in Science and Technology 2015, Organized by Saptagiri College of Engineering, Bangalore, 12 May, 2015.
14. Archana Acharya, Sumangala Babu, Vikram Bharadwaj KN, Mamatha R Patil, Aditya G Rao, Bagmita Saikia, **Sinosh Skariyachan**, Rajeswari Narayanappa (2015). Elucidation of Novel Therapeutic Metabolites from the Bacteria Associated with Marine Sponges Collected from Coastal Areas of South India. UGC Sponsored National Symposium on Microbe and Human Welfare. Jointly organized by Postgraduate Department of Biotechnology and Association of Microbiologists of India (Mysore Chapter), 23-24 March 2015.
15. Subiya Sulthana, Vishal Manjunath, Megha M, Meghna N Kini, Kamath Manali Mukund, Alya Rizvi, **Sinosh Skariyachan**, Kiran S Vasist (2015). Prioritizing the Bio degradation Potential of Novel Microbial Consortia Isolated from the Plastic Polluted Environments in Urban and Rural areas of Bangalore, Karnataka, UGC Sponsored National Symposium on Microbe and Human Welfare. Jointly organized by

Postgraduate Department of Biotechnology and Association of Microbiologists of India (Mysore Chapter), 23-24 March 2015.

16. Shruthi Kulkarni, Saumya Subramaniyan, Vikram Bharadwaj KN, Mamatha R Patil, Aditya G Rao, Bagmita Saiki, **Sinosh Skariyachan**, Rajeswari Narayanappa (2015). Prioritizing the therapeutic potential of novel chromophoric and fluorophoric metabolites extracted from the bacteria associated with marine sponges collected from coastal areas of South India. UGC sponsored National conference on enzyme research in agriculture, food and Industrial Biotechnology (NCERAFIB-2015). Jointly organized by Karnataka Science and Technology Academy, Department of Science and technology, Govt. of Karnataka and Department of Chemistry & Biochemistry, Maharani's Science College for women, Bangalore, 12-13 March 2015.
17. Chandana Jois, Vidya Bai, Megha M, Meghna N Kini, Kamath Manali Mukund, Alya Rizvi, **Sinosh Skariyachan**, Kiran S Vasist (2015). Exploring the biodegradation potential of microbial consortia screened from the plastic contaminated soil samples in Urban and Rural areas of Bangalore, Karnataka. UGC sponsored National conference on enzyme research in agriculture, food and Industrial Biotechnology (NCERAFIB-2015). Jointly organized by Karnataka Science and Technology Academy, Department of Science and technology, Govt. of Karnataka and Department of Chemistry & Biochemistry, Maharani's Science College for women, Bangalore, 12-13 March 2015.
18. Apoorva Prasanna, Sirisha P Manjunath, Soujanya S Karanth, Ambika Nazre, **Sinosh Skariyachan**, Rajeswari Narayanappa (2015). Exploring the potential of cultivated *Pleurotus ostreatus var. florida* in mycoremediation and its application as novel therapeutics. Bangalore INDIA BIO 2015: Crystallizing India's Biotech future. Jointly organized by the Department of Information Technology, Biotechnology and Science & Technology, Government of Karnataka, Vision Group on Biotechnology, MM Activ Sci-Tech Communications, Bangalore, 9-11 February 2015.
19. Showmy K.S, **Sinosh Skariyachan**, Yusuf A (2015). Structural Elucidation of pathogenesis related 4b protein (Q6T5J8) of *Oryza sativa* subsp. *Indica* for crop improvement. 27<sup>th</sup> Kerala Science Congress. Alapuzha, Kerala. 27-29 January 2015.
20. Nisha Jayaprakash, Arpitha BM, **Sinosh Skariyachan**, Kiran S Vasist, Narayanappa Rajeswari (2015). Exploring the inhibitory potential of herbal ligands towards the drug resistant gene products of MDR isolates from Cauvery River, Karnataka, India. Metabolomics-2015.Organised by Department of Biochemistry, Indian Institute of Science, Bangalore, 12-13 January 2015.
21. Sinosh Skariyachan (2015). Molecular modeling and its emerging dimensions in agriculture, ICAR Winter School-2015 on Bioinformatics and its emerging dimensions in agriculture. Organized by Bioinformatics centre (DIC), Kerala Agricultural University, Thrissur, Kerala, 15 January 2015.
22. Anitha Pachiappan, Rupam Bhaduri, Jeenu Joy, Imlimaong Aier, **Sinosh Skariyachan**, Kiran Vasist (2014). Selection and screening of novel herbal inhibitors against multidrug resistant *Listeria monocytogenes* by structure based virtual screening and in vitro assay. 55<sup>th</sup> Annual conference of Association of Microbiologists of India, National conference on empowering mankind with microbial technologies (AMI-EMMT-2014). Organized by Tamil Nadu Agricultural University, Coimbatore India, 12-12 November 2014.
23. Sinosh Skariyachan (2014). Phylogenetic analysis and primer design. UGC Sponsored national workshop on recent trends in Bioinformatics. Organized by Department of Microbiology and Biochemistry, Pazhassiraja College Pulpally, Wayanad, Kerala.15-17 December 2014.
24. **Sinosh Skariyachan**, Megha M, Meghna N Kini, Kamath Manali Mukund, Alya Rzvi, Kiran S Vasist (2014). Selection and screening of microbial consortia for efficient and eco-friendly degradation of plastic

wastes in Urban and Rural areas of Bangalore, Karnataka State Council for Science and Technology-37<sup>th</sup> Annual meeting and 37<sup>th</sup> series of Student Projects Programme - Seminar and Exhibition: 2013 - 2014, 28-29 July 2014, B.V. Bhoomaraddi College of Engineering and Technology, Hubli.

25. Megha M, Meghna N Kini, Kamath Manali Mukund, Usha BN, Divya, **Sinosh Skariyachan** (2014). Screening of nickel and chromium degrading bacteria from selected electroplating industries in urban areas of Bangalore and study of their biodegradation efficiency. National conference on recent advances, carrier prospects & entrepreneurial opportunities in Bioengineering and Biotechnology, Sir MVIT, Bangalore, Sponsored by AICTE, New Delhi. 24-28 March 2014
26. Apoorva Prasanna, Sirisha PM, Jyothsna S, Savitri SN, **Sinosh Skariyachan**, Rajeswari Narayanappa (2014). Prioritizing the bio-preservation efficiency of *Lactobacillus sps.* over chemical preservatives and study of their inhibitory potential against food-borne pathogens, National conference on recent advances, carrier prospects & entrepreneurial opportunities in Bioengineering and Biotechnology, Sir MVIT, Bangalore, Sponsored by AICTE, New Delhi. 24-28 March 2014.
27. **Sinosh Skariyachan**, Kiran S Vasist, Rajeswari Narayanappa (2013). Prevalence of multidrug resistant bacteria in River Cauvery and computational virtual screening for natural inhibitors against MDR genes. 54<sup>th</sup> Annual conference of Association of Microbiologists of India (AMI-2013). Platinum Jubilee Celebrations for Association of Microbiologists of India (AMI) & International Symposium on 'Frontier discoveries and innovations in Microbiology and its interdisciplinary relevance' (FDMIR-2013), Maharshi Dayanand University Rohtak, Haryana, INDIA. November 17-20, 2013.
28. **Sinosh Skariyachan** (2013). Computer aided virtual screening and designing of novel therapeutic leads against virulent targets of multi-drug resistant bacteria isolates. Organized by GD Target Meeting: A leading online life science conference organizer, USA. October 15-17, 2013.
29. **Sinosh Skariyachan** (2013). Structure Prediction: Exploration of Structural insights towards functional studies of biomolecules-Emerging trends and future perspectives. UGC sponsored national seminar on Bioinformatics: Applications in modern Science. Jointly organized by Department of Zoology, Mercy College, Palakkad, Kerala & Bioinformatics centre, Kerala Agricultural University, Kerala. 26 September 2013.
30. Arpitha BM, Narasimha Sharma, **Sinosh Skariyachan** (2013). Prioritizing the anticancer properties of curcumin by computer aided virtual screening and molecular docking. International symposium on "recent advances in computational drug design". Jointly organized by Schrodinger & Indian Institute of Science. 16-17 September 2013.
31. Vikram Bharadwaj KN, Bagmita Saikia, Mamatha R Patil, Aditya G Rao, **Sinosh Skariyachan**, Jagannatha Rao GS (2013). Screening and characterization of potential therapeutic metabolites from symbiotic bacteria associated with marine sponges. International conference on convergence of science & management in education and research-A global perspectives, II edition, Organized by Centre for post graduate studies, Dayananda Sagar Institutions. 26-27 September 2013.
32. Jyothsna S, Savitri SN, Suchetha Pathalam, Aishwarya Gogate, **Sinosh Skariyachan**, Rajeswari Narayanappa (2013). *Lactobacillus sps* as biopreservative: Comparative analysis and optimization of preservation efficiency with chemical preservatives. International conference on convergence of science & management in education and research-A global perspectives, II edition, Organized by Centre for post graduate studies, Dayananda Sagar Institutions. 26-27 September 2013.
33. **Sinosh Skariyachan**, Kiran S, Rajeswari Narayanappa (2013). Selection of potential inhibitors against multidrug resistant pathogens by structure based virtual screening, 38<sup>th</sup> Annual conference of



environmental mutagen society of India (EMSI), National conference on current perspectives on environmental mutagenesis and human health. Radiation Biology & Health Sciences Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 26-30 January 2013.

34. Nisha GJ, **Sinosh Skariyachan**, Narasimha Sharma, Arpitha BM, Navya CP, Reshma Rao, Priyanka L, Kiran S, Rajeswari Narayanappa (2013). Structure based rational design of novel herbal inhibitors towards multidrug resistant pathogenic bacteria present in River Cauvery, Biotech for a better tomorrow". 13<sup>th</sup> Bangalore India Bio: International conference cum trade show: Organized by Vision Group on Biotechnology, Govt of Karnataka, 4-6 February, 2013.
35. Reshma Rao, **Sinosh Skariyachan**, Arpitha BM, Narasimha Sharma, Shruthi Rao, Shraddha Karanth, Nisha GJ, Navya CP, Priyanka L, Sagar Goyal, Akshatha Prasanna, Ballari Sen, Lamiya Ali, Kiran S, Rajeswari Narayanappa (2013). Cauvery River has become cesspool of multidrug resistant Pathogenic Coli forms: A major health concern in Karnataka State. Biotech for a better tomorrow". 13<sup>th</sup> Bangalore India Bio: International conference cum Trade show: Organized By Vision Group on Biotechnology, Govt of Karnataka, 4-6 February, 2013.
36. **Sinosh Skariyachan**, Kiran S, Rajeswari Narayanappa (2012). A study on the prevalence of multidrug resistant pathogens in River Cauvery: a major health concern in Karnataka, South India. 53<sup>rd</sup> Annual conference of Association of Microbiologists of India (AMI), International conference on microbial world: Recent innovations and future trends, KIIT University, Bhubaneswar, Odisha, India. November 22-25, 2012
37. **Sinosh Skariyachan** and Jagannatha Rao GS. International conference on biomolecular forms and functions, a celebration of 50 years of the Ramachandran Map. Indian Institute of Science, Bangalore, 8-11 January 2013.
38. Akshatha Prasanna, Ballari Sen, **Sinosh Skariyachan**, Kiran S , Rajeswari Narayanappa, Jagannatha Rao GS (2012). Computer aided virtual screening and *in vitro* evaluation of herbal therapeutics against Streptococcal infections, UGC and DBT sponsored National conference on "computational biology, pharmaceutical & life sciences, Maharani Lakshmi Ammanni College for Women, Bangalore, 23 – 24 November 2012.
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49. Narasimha Sharma, Arpitha BM, **Sinosh Skariyachan**, Kiran S (2011). Microbial characterization of *Clostridium perfringens* from cooked meat-poultry samples and *in silico* simulations of delta enterotoxin, Bangalore India Bio-2011, An international symposium. Organized by Vision group on Biotechnology, Department of IT & BT, Govt. of Karnataka, 04- 06 May, 2011.
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52. Narasimha Sharma, Arpitha BM, **Sinosh Skariyachan** and Kiran S. Microbial characterization of *Clostridium perfringens* from cooked meat-poultry samples and *in silico* simulations of Delta enterotoxin, 16<sup>th</sup> National Conference on aerobiology & National Symposium on Applications of Biotechnology in Environment Management & Medicine, Bapuji Institute of Engineering & Technology, Davanagere. 19-21 November 2010.
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