

FACULTY PROFILE



NAME : Dr. Azmina A.K. Masurkar
QUALIFICATION : Ph.D. Bioanalytical Sciences
EmailID :masurkarazmina@kbpcollegevashi.edu.in

DEPARTMENT: Bioanalytical Sciences

DESIGNATION: Assistant Professor and Head of Department

YEARS OF EXPERIENCE: 2.5

SPECIALIZATION: Bioanalytical Sciences, Bioprocess Technology, Herbal Sciences, Microbiology, Molecular Biology, Chromatography and Spectroscopy.

PUBLICATIONS:

- **Azmina A. K. Masurkar**, Yogini M. Dixit and Babu V. Vakil. Genetic manipulation of some bacterial strains for improvement of PUFA production. 2016. International Journal of Applied and Pure Science and Agriculture; 2(7):135-147.e-ISSN: 2394-5532. **[July- 2016]**
- Rupali D. Popeta, Avinash T. Gatade, **Azmina A.K. Masurkar** and Ganesh A. Thakur. 2016. Analgesic Activity of Ethanolic Extract of *Sterculiafoetida*Linn. Flowers. International Journal of Ayurveda and Pharmaceutical Chemistry; 4(3):296-301.e-ISSN 2350-0204. [May 2016]
- Avinash T. Gatade, Azmina A.K. Masurkar, Rupali A. Gatade and Dhara J. Gandhi. 2016. Pharmacognostical Investigation of *Erythrinavariegata*Linn (Fabaceae). International Journal of Ayurveda Pharmaceutical Chemistry; 4(2):27-37.e-ISSN 2350-0204. [March 2016]
- Avinash T. Gatade, Masurkar A. A.K., Rupali A. Gatade, Dhara J. Gandhi. 2015. Pharmacognostic Studies and HPTLC Fingerprinting of *BlumeaEriantha* DC (Asteraceae) Leaves. International Journal of Pharmacy and Pharmaceutical Sciences; 7(8): 97-100. ISSN No. 0975-1491. Impact Factor: 0.643 [August 2015]

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- Masurkar A. A.K. and Vakil B.V. 2015. Optimization of Process Variables for Bacterial PUFA Production by OFAT Method. International Journal of Current Microbiology and Applied Sciences; 4(7):160-181. ISSN No. 2319-7706. [July 2015]
- **Masurkar A. A.K.**, Datar A.G. and Vakil B.V. 2015. New Microbial Sources of PUFA from the Arabian Sea and Fresh Water Habitats of Indian Territory. IJPSR; 6(1):349-360.
- **Masurkar A. A.K.**, Datar A.G. and Vakil B.V. 2014. Screening and identification of PUFA producers from various fish of Indian coastal and fresh water habitats. Int. J. Life Sc. Bt& Pharm. Res; 3(3):181-195.

PAPERS PRESENTED:

1. Poster and Oral Presentation in “Avishkar-2013”-An Inter-University Research Festival at Dr. Balashaheb Sawant Konkankrishi Vidyapeeth, Dapoli. Title: **“Screening of Microbial PUFA Producers from Diverse Environments”**. January 2012.
2. Presented a Poster in the Intracollegiate Poster Competition on the GNIRD Day at GN Khalsa College titled **“Genetic Manipulation of Select Bacterial Strains for Improvement of PUFA Production”**: Azmina A.K. Masurkar and B.V.Vakil, 26th September 2014.
3. Presented a Poster in The 3rd Annual Research Meet In Biotechnology, Environmental Microbiology & Phytochemicals Organized By Konark Fixtures at GN Khalsa College titled **“Isolation and Screening for Aquatic Microbes Producing Polyunsaturated Fatty Acids”**: Azmina A.K. Masurkar and B.V.Vakil, December 2012
4. Presented a Poster at UGC Sponsored National Conference - Current Trends in Biological Sciences at Talreja College titled **“Screening of Microbes for Production of Polyunsaturated Fatty Acids”**: Azmina Masurkar and B.V.Vakil, January 2011.

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CONFERENCES ATTENDED/ PAPERS PRESENTED:

- Attended the 3rd Annual Research Meet in Biotechnology, Environmental Microbiology & Phytochemicals Organized By Konark Fixtures at GN Khalsa College, Matunga, Mumbai, December 2012.
- Attended an UGC Sponsored National Conference - Current Trends in Biological Sciences at Talreja College, January 2011.

SEMINARS/WORKSHOP ATTENDED:

- Attended a seminar on Ethics in Scientific Research at Indian Women Scientists Association, Vashi, Navi Mumbai on 20th November 2015.
- Attended a seminar on Protein Purification by Dr. Mansoor Ahmed from Genetix, Biotech Asia Pvt. Ltd., Delhi on 12th December 2013 hosted at GN Khalsa College, Matunga, Mumbai-19.
- Attended a seminar on GE Healthcare Life Sciences Seminar on Strategies for Protein Purification on 12th June 2012 at Andheri, Mumbai.
- Attended 42nd National Conference on Nutraceuticals, November 2010 organized by the Nutritional Society of India, Powai, Mumbai.
- Attended a seminar on Bioinformatics, 2007, C.K.T College, New Panvel.
- Attended a seminar on Specialized Aspects of Biotechnology, 2006, C.K.T College, New Panvel.
- Attended a seminar on Animal Cell Culture, 2004, V.E.S College, Chembur, Mumbai.

ACTIVITIES ORGANIZED(*Individual):

- Arranged and conducted an awareness Program on “Banned Drugs” on 03.09.2016 for our college students, staff and some locals of Navi Mumbai and Mumbai city.
- Organized Enrichment course in Bioinstrumentation Techniques in 2015-16 and 2016-17.
- Organized Workshop on Chromatography and Spectroscopy 2015-16.
- Organized Skill based course on Analysis of Biomolecules 2016-17.

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COURSES/TRAINING PROGRAMMES COMPLETED:

- Attended training program on Animal Tissue culture at the Haffkine's Institute, Parel, Mumbai, May 2005.
- Attended a training program on Gas chromatographic analysis of fatty acids at Bhartiya Vidyapeeth University, Pune, December 2010.

RESEARCH PROJECT:

- Ph.D. research project titled **“Microbial Production of Polyunsaturated Fatty Acids (PUFA) and Evaluation as a Nutraceutical”** under the University of Mumbai, GN Khalsa College, Vashi.
- Minor Research Project funded by KBP College, Vashi titled **“Production of Single Cell Oils from Bacterial Sources”**.
- Summer project at the M.Sc level at NIRRH (National Institute for Research in Reproductive Technology) titled **“Study to Elucidate Chromosomal Aberrations Due to Tamoxifen in Male Rats”**, May- July 2007.

AWARDS /ACHIEVMENTS:

- Won **1st Prize** in the PhD level; Agriculture, Animal Husbandry and Fisheries Category at the Maharashtra State Level for Poster and Oral Presentation in “Avishkar-2013”-An Inter-University Research Festival at Dr. Balashaheb Sawant KonkanKrishi Vidyapeeth, Dapoli. Title: **“Screening of Microbial PUFA Producers from Diverse Environments”**, January 2012.
- Won **3rd Prize** in Ph.D. Category for poster presentation at the Intracollegiate Poster Competition on the GNIRD Day at GN Khalsa College titled **“Genetic Manipulation of Select Bacterial Strains for Improvement of PUFA Production”**: Azmina A.K. Masurkar and B.V.Vakil, 26th September 2014.
- Won **3rd Prize** in Biotechnology Category for poster presentation at The 3rd Annual Research Meet in Biotechnology, Environmental Microbiology & Phytochemicals organized by Konark Fixtures at GN Khalsa College titled **“Isolation and Screening for Aquatic Microbes Producing Polyunsaturated Fatty Acids”**: Azmina A.K. Masurkar and B.V.Vakil, December 2012.

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ANY OTHER DETAILS:

- Working on College Level **“Internal Academic Monitoring Committee”**
- Working on College Level **“Placement Committee”**