



FACULTY PROFILE



NAME : Pooja Saurabh Satose
QUALIFICATION : MSc, PhD
Email ID :
poojachavan@kbpcollegevashi.edu.in
DEPARTMENT : Biotechnology
DESIGNATION : Assistant Professor
EXPERIENCE(Yrs.) : 3
SPECIALIZATION : Biotechnology-Life Sciences

PUBLICATIONS :

Books Publications-

- Nil

Research Publications in Journals-

- **Pooja Chavan**, Rajesh Kumar, Ramalingam Kirubakaran, Vayalam P. Venugopalan, 2016. Chlorination induced genotoxicity in the green mussels *Perna viridis*: assessment by single cell gel electrophoresis (comet) assay. *Ecotoxicology and Environmental Safety* 130; 295–302. DOI 10.1016/j.ecoenv.2016.04.034
- **Pooja Chavan**, Rajesh Kumar, Ramalingam Kirubakaran, Vayalam P. Venugopalan, 2017. Comparative toxicological effects of two antifouling biocides on the marine diatom *Chaetoceros lorenzianus*: damage and post-exposure recovery. *Ecotoxicology and Environmental Safety*, 144; 97-106. DOI 10.1016/j.ecoenv.2017.06.001
- **Pooja Chavan**, Rajesh Kumar, Hiren Joshi, Ramalingam Kirubakaran, Vayalam P. Venugopalan, 2018. A multimarker study on the effects of chlorine in benthic organisms using *Perna viridis* as candidate species. *Environmental Science and Pollution Research*, 25(21), 20407-20418. DOI 10.1007/s11356-017-96

Papers Published in conference proceedings-

- Pooja Chavan, R. Kumar, R. Kirubakaran and V. P. Venugopalan. Assessment of genotoxicity in the green mussel *Perna viridis* exposed to antifouling biocide. International Conference on Advanced Technologies for Management of Ballast Water and Biofouling (MABB – 2014), Jointly organised by NIOT and BARC, Govt. of India 4-7 March, 2014, NIOT, Chennai, India.
- Pooja Chavan, R. Kumar, R. Kirubakaran and V. P. Venugopalan. Assessment of chlorination induced genotoxicity in the marine phytoplankton *Chaetoceros lorenzianus* by single cell gel electrophoresis. International Conference on Advanced Technologies for Management of Ballast Water and Biofouling (MABB – 2014), Jointly organised by NIOT and BARC, Govt. of India on 4-7 March, 2014, NIOT, Chennai, India.



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- Pooja Chavan, R. Kumar, R. Kirubakaran and V. P. Venugopalan. A multimarker study on the effects of chlorine on benthic organisms, using *Perna viridis* as candidate species. International Conference on Water: From Pollution to Purification (ICW-2016) organized by Mahatma Gandhi University, Kerala, India on 13-15 December, 2016

Research Papers presented in international conferences-

- Assessment of genotoxicity in the green mussel *Perna viridis* exposed to antifouling biocide. International Conference on Advanced Technologies for Management of Ballast Water and Biofouling (MABB – 2014), Jointly organised by NIOT and BARC, Govt. of India 4-7 March, 2014, NIOT, Chennai, India.
- Assessment of chlorination induced genotoxicity in the marine phytoplankton *Chaetoceros lorenzianus* by single cell gel electrophoresis. International Conference on Advanced Technologies for Management of Ballast Water and Biofouling (MABB – 2014), Jointly organised by NIOT and BARC, Govt. of India on 4-7 March, 2014, NIOT, Chennai, India.
- A multimarker study on the effects of chlorine on benthic organisms, using *Perna viridis* as candidate species. International Conference on Water: From Pollution to Purification (ICW-2016) organized by Mahatma Gandhi University, Kerala, India on 13-15 December, 2016.
- Physiological and biochemical changes in *Chaetoceros lorenzianus* on exposure to antifouling biocides, chlorine and chlorine dioxide. International Conference on Water: From Pollution to Purification (ICW-2020) organized by Mahatma Gandhi University, Kerala, India on 11-13 December, 2020.

Research Papers presented in national conferences-

- Nil

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- National Conference on Genomics, Proteomics & System Biology held in J. N. Tata Auditorium, IISc Campus, Bangalore on 1-3 October, 2008.
- International Conference on Advanced Technologies for Management of Ballast Water and Biofouling (MABB – 2014), Jointly organised by NIOT and BARC, Govt. of India on 4-7 March, 2014, NIOT, Chennai, India.
- Participated in Theme Meeting on Cooling Water Treatment for Biofouling Control, organised by Biofouling and Biofilm Processes Section (Water and Steam Chemistry Division), DAE-COSWAC, 23 rd - 24 th April, 2015, Kalpakkam, India.
- Participated in the Science Academies Lecture workshop on “Advances in microalgal research and its relevance to climate change” organised by Centre for Climate Change Studies at Sathyabama University, Chennai, India during 21 st - 22 nd July, 2016.
- International Conference on Water: From Pollution to Purification (ICW-2016) organized by Mahatma Gandhi University, Kerala, India on 13-15 December, 2016.
- Attended 3-day online workshop on “Introductory Program - Heartfulness Meditation” conducted at Karmaveer Bhaurao Patil College by Heartfulness Education on 9-11 July, 2020.
- International Conference on Water: From Pollution to Purification (ICW-2020) organized by Mahatma Gandhi University, Kerala, India on 12-14 December, 2020.
- Attended 2-day online workshop on “Tools in Bioinformatics” organized by Department of Biotechnology, Karmaveer Bhaurao Patil College, Navi Mumbai on 4-5 December, 2020.



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- Attended 3-day online workshop on “NGS Data Analysis” organized by Department of Biotechnology, Karmaveer Bhaurao Patil College, Navi Mumbai in association with RASA Life Science Informatics from February 25th to 27th, 2021.

ACTIVITIES ORGANIZED:

- Nil

FDP/TRAINING COURSES COMPLETED:

- Completed successfully “Certificate Course in Laboratory Techniques (Three Months)” conducted by K. J. Somaiya College of Science & Commerce, Vidyavihar, Mumbai in 2007.
- Three months project training on ‘Method optimization for analysis of biotransformed steroid using thin layer chromatography and high-performance liquid chromatography’ in Ipca Pharmaceuticals Ltd., Kandiwali.
- Completed online Short -Term Bioinformatics Training from Arraygen Technologies Pvt Ltd. Pune in January, 2020
- Completed online Next Generation Sequencing (NGS) certificate course on Biotecnika in April, 2020.
- Three days National level FDP on ‘online college management & online content creation tools’ organized by Lala Lajpat Rai College of Commerce & Economics, University of Mumbai and North Storm Academy on 30th April, 1st & 2nd May, 2020.
- Two day FDP on ‘Facilitation Techniques and Tools’ organized by Internal Quality Assurance Cell, Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai on 8th & 9th May 2020.
- National level Bootcamp for Teachers organised by North Storm Academy on 15th to 17th May, 2020.
- Three-day National level workshops on ‘Blended Learning Approaches in Biosciences’ organized by Microbiology Society of India on 28th June to 30th June, 2020.
- Attended Science Academies’ refresher course on “Recent Trends in Molecular Biology: Concept & Practice” held at Dr. B.R. Ambedkar University- Srikakulum from 2nd to 15th March, 2021.

RESEARCH PROJECTS:

- Assessment of the ecotoxicological effects of present and upcoming antifouling biocides using appropriate test organisms in experiments involving laboratory assays and mesocosm

MEMBERSHIPS/AFFILIATIONS:

- Nil

AWARDS AND ACHIEVEMENTS:

- First prize for a poster presented at the International Conference on Advanced Technologies for Management of Ballast Water and Biofouling (MABB – 2014).
- Second prize for poster in International Conference on Water: From Pollution to



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Purification (ICW-2016).

ANY OTHER DETAILS:

- Nil