

## Information about Faculty



### 1. General Information:

Name of the Faculty	:	<b>Dr. Sharmila S. Ghangale</b>
Name of the Department	:	Biotechnology
Educational Qualifications	:	M.Sc.(Biochemistry), B.M.Tech., M.Phil., Ph.D.
Present Position	:	Assistant Professor
Address for Correspondence	:	Plot No.-01, Sector-11, Khanda Colony, New Panvel (W), Dist.-Raigad, Maharashtra, India, Pincode-410206.
E-mail	:	<a href="mailto:gssharmi@yahoo.com">gssharmi@yahoo.com</a> <a href="mailto:gssharmo@gmail.com">gssharmo@gmail.com</a>
Contact Number	:	(022) 27464193 / (022) 27455760
Specialization	:	Biochemistry and Environment Biotechnology
Total teaching experience	:	UG: 12, PG:06 06 Years 1 Months in the C. K. Thakur College, Panvel 06 Years Previous Teaching Experience
Courses taught	:	Biochemistry, Metabolism, Applied Chemistry, Bioorganic Chemistry, Industrial microbiology, Molecular Diagnostics, Entrepreneurship Development, Environmental Biotechnology, IPR and Bioethics, Drug discovery and Clinical Research Studies, Medical Writing, Scientific writing skills, Biologics and Biosimilars, Research methodology, Bio-entrepreneurship.
Research experience	:	10 years Guided 06 Avishkar research Projects for UG/PG Ongoing 01 Research Project funded by RUSA

## 2. Publication of Research Papers:

UGC-Care Listed	:	01
Peer reviewed journals	:	02
Non-peer reviewed journals	:	04
Conference proceedings	:	07
Book Chapter	:	01

## 3. List of Publication of Research Papers:

### 2016-2017

- ❖ 6th International Science Congress (December 2016), on “Digitization in Research for cultural, commercial and Scientific Development” organized by International Science Community Association, at Rajgurunagar, Dist.-Pune, (M.S.). In this conference, Research paper presented (Oral) entitled, “Determination of divalent mercury in environmental samples using 1, 5-diphenyl-3-thiocarbazone: with modified, ultrasensitive, direct spectrophotometric method”. This research paper has been published in International Research Journal of Recent Sciences, in ISSN 2277-2502 Vol.6 (3) MARCH-2017 issue.
- ❖ International Conference on “Mainstreaming the marginalized: Perspectives in Humanities, Commerce and Science” (January-2017), organized by Centre for Humanities and cultural studies, at Mandangad, Dist.-Ratnagiri, (M.S.) In this conference, Research paper presented (Oral and Poster) entitled, “SODIS- A Promissory Approach for Safe Drinking Water management: A Survival Right of Marginalized.” This research paper has been published in Conference proceedings (January-2017).
- ❖ Multidisciplinary International Conference (April-2017), on “Human Concerns and issues in Literature, Social Sciences, Commerce, Science and Technology” organized by Centre for Humanities and cultural studies, at Shahapur, Dist.-Thane (M.S). In this Conference, Research paper presented (Oral) entitled, “Bioremediation of Heavy Metals: A potential tool of Biotechnology for Greener Future”. This research paper has been published in Conference proceedings (April-2017).

### 2017-2018

- ❖ Ghangale Sharmila S., Bholay A.D. and Nalawade P.M., “SODIS: A potent technology for sustainable drinking water management in tropics”. This research paper has been published in International Research Journal of Recent Sciences, in ISSN 2277-2502 Vol. 6 (6), Page No. 29-34, JUNE-2017 issue.

### 2019-2020

- ❖ One Day International Conference and Academic Excellence Award on “Recent Innovation and Interdisciplinary research” organized by International Association of Research and Developed Organization (IARDO) and SNDT Women’s University (December 2019), Churchgate, Mumbai, Maharashtra. In this conference, Research paper presented (Oral) entitled, “Biosorption and desorption of heavy metal lead (II) from aqueous solution using *Vitis Vinifera* leaves as an agro waste biomass”. This Paper has been also published in UGC care listed GroupA Journal (Journal of Information and Computational Science) with ISSN: 1548-7741.

- ❖ Two Days National Conference on “**Innovations in Environmental and Earth Sciences for Sustainable Future (IEESSF-2019)**”, organized by **School of Environmental and Earth Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, (M.S.)**. In this conference, Research paper presented (Oral) entitled, “**Biosorption of Heavy Metal Lead (II) from aqueous Solution using *Vitis Vinifera* Leaves as an agro waste biomass**”, has been published in **Conference proceedings, February-2019**.

### College level Anugoonj Project (Survey Based Research)

#### 2019-20

- ❖ **Mr. S.S. Ghadage, Ms. Sharmila S.Ghangale, Ms.R.D.Nanekar, Ms.S.P. Dongare, Ms. A. D. Kumthekar** Published a Survey based Research paper entitled, “To Study the awareness about viral pandemics and prevention amongst Indian population” in College Level Annual Journal “**Anugoonj**”, in the Academic Year 2019-2020.

#### 2020-21

- ❖ **Dr. Sharmila S. Ghangale and Mrs. S. P. Dongare**, Published a Survey based Research paper entitled, **Survey on "Impact of Online Education on Teaching-Learning Process and its Future Consequences in Nation Development "** in College Level Annual Journal “**Anugoonj**”, in the Academic Year 2020-2021.

#### 2021-2022

- ❖ Three days **International Conference on “Current Trends In Waste Treatment, Reuse and Valorisation-2022”**, Organized by SANDIP University, Nashik in collaboration with Society for Green Environment, India on 25<sup>th</sup> to 27<sup>th</sup> February 2022. In this Conference, Research paper presented (Oral) entitled, “***Pseudomonas aeruginosa*: The Eco-sustainable tool for Bioremediation of Mercury**”. Abstract of research paper has been published in **Conference proceedings (February-2022)**.
- ❖ Three days **International Conference on “Current Trends In Waste Treatment, Reuse and Valorisation-2022”**, Organized by SANDIP University, Nashik in collaboration with Society for Green Environment, India on 25<sup>th</sup> to 27<sup>th</sup> February 2022. In this Conference, Research paper presented (Oral) entitled, “**Biochar Column: The Ecofriendly-Cost Effective Solution for Wastewater Treatment**”, by Ms. Neha Bhagwat, Ms. Muskaan Shaikh and Ms. Sayali Jadhav (M.Sc.-I), Under the Guidance of **Dr.S. S. Ghangale**, Department of Biotechnology, C. K. Thakur Arts, Commerce and Science College, New Panvel, Mumbai. Abstract of research paper has been published in **Conference proceedings (February-2022)**.

#### 2022-2023

#### Publication in Book Chapter

- ❖ Anita V. Handore, Vinita S. Jagtap, **Sharmila S. Ghangale**, Sharad R. Khandelwal, Avinash D. Bholay, Rajib Karmakar, Dilip V. Handore, “**Bioaugmentation: an emerging ecofriendly technology for wastewater treatment**” (2023), Integrative Strategies for Bioremediation of Environmental Contaminants: Avenues to a cleaner society (2023): Volume 2, 978-0-443-140136 Elsevier Pages: 1-16 (**Book Chapter**)

#### 4. Minor Research Project Completed/Undertaken/Ongoing:

Year	Principal and Co-investigator	Title of the Project	Maj or/ Min or and Dura tion	Fundin g Agenc y	Sanctione d Amount & Date of Sanction	Amount Receive d	Status (Ongoing/ Completed)	Date of Submis sion
2022-23	<b>Dr. S. S. Ghangale (PI) and Dr. S.S. Kokitkar (Co-PI)</b>	To Study the therapeutic effect and Phytochemical properties of <i>Nelumbo nucifera</i> (Indian Lotus) seed and its application.	1 year	RUSA	1,05,000/-	75,000/-	ONGOING	2023-24

#### 5. Academic Staff College Orientation/Refresher courses/ FDP attended:

Name of the Course	Place	Duration	Sponsoring Agency
Online course on <b>“Introduction to Professional Scientific Communication”</b>	NPTEL Online Certification	4 Weeks (January to March 2020)	NPTEL funded by the Ministry of HRD, Gov. of India.
National level workshop, <b>“Use of E-Content Development Tools &amp; Techniques in Teaching &amp; Learning Process”</b>	C.K. Thakur A.C.S. College, New Panvel	29 <sup>th</sup> Jan and 30 <sup>th</sup> Jan 2020	IQAC and RUSA
(FDP) Three days’ workshop on, <b>“New Methods of NAAC assessment &amp; Accreditation”</b>	C.K. Thakur A.C.S. College, New Panvel	19/09/2018, 21/09/2018 & 22/09/2018	Organized by Changu Kana Thakur Art, Commerce and Science College, New Panvel (Autonomous) 410206.
Faculty Development Programme on <b>“HEAL-THY TEACHING”</b> held on Thursday, 18th February 2021	C. K. Thakur A.C.S. College, New Panvel.	1 Day	Staff Welfare Committee And Internal Quality Assurance Cell and RUSA
One week online Workshop, <b>“Interdisciplinary Research Methodology, ICT application and Innovations in teaching Learning Process”</b>	(Online)	(1 week) 08th June to 12th June 2020.	St. Francis De Sales College, Nagpur, (MS)
One Week Faculty Development Programme on <b>“E-Content and MOOCS Creation: Hands on Training”</b> 18th to 23rd September 2022	Changu Kana Thakur A.C.S. College	6 Days	Central Library in Association with IQAC under the aegis of "RUSA"

Seven Day International FDP <b>Certificate Course on, “Microscopy-An Overview” (Phase-I)</b>	Online platform	1 Week 03-02-2023 to 09-02-2023	Organized by, Department of Microbiology, Sacred Heart College, Tirupattur, Tamil Nadu
One Week <b>Faculty Development Program on RESEARCH METHODOLOGY</b> from 6th Feb to 11th Feb 2023	Online	6 Days	Guru Nanak Vidyak Society’s Guru Nanak College of Arts, Science and Commerce Mumbai – 400037

### 6. Participation in conferences, symposia, seminars and workshops:

Level	Presented paper	Only attended	Chaired session	Resource person
International	<b>06</b>	<b>11</b>	-	-
National	<b>01</b>	<b>07</b>	-	-
State	-	<b>02</b>	-	-
University	-	<b>02</b>	-	-
Workshop	-	<b>02</b>		

### 7. Experience on the various committees at the college

#### Academic year 2019-20, 2020-2021, 2021-2022

- Member of BOS in Biotechnology
- Coordinator of International Relation Committee
- Member of Competitive Exam Cell Committee
- Organization and Participation in Extension Activity for Junior College Students
- Participation in Avishkar Research Convention
- Participation in Faculty-Exchange Program
- Participation in Annual Sports and Medical Camp
- Participation in various Committees at Felicitation Ceremony
- Participation in Cervical Cancer Camp
- Participation in COVID Vaccination Drive
- Participation in Exposure Visits/ Industrial visits for UG and PG Learners

### Academic year 2022-23

- Member of BOS in Biotechnology
- Member of Research Advisory Committee
- Member of RUSA monitoring Committee
- Member of Admission Committee
- Member of Competitive Exam Cell Committee
- Member of Innovation, Incubation and Entrepreneurship Cell
- Participation in Avishkar Research Convention
- Organization and Participation in Extension Activity for Junior College Students
- Participation in Annual Sports
- Participation in Marathon Event
- Participation in Mega health Camp
- Participation in Exposure Visits/ Industrial visits for UG and PG Learners

### 8. Experience on the NAAC/ IQAC of the college

- Member, Criteria-I and Compilation of Website Data
- Member, Criteria-II and Compilation of Data (Faculty of College)

### 9. Experience on the Various Committees at the University of Mumbai / Government

- **Paper setter and Moderator at Pillai College of Arts, Commerce & Science, New Panvel:** Paper setter and Moderator of Paper VII S.Y. B.Sc. Biotechnology theory and Paper II, F.Y. B.Sc. Biotechnology theory at Pillai College of Arts, Commerce & Science, New Panvel.
- Worked as **Paper setter in P. P. SAVANI University, Surat, Gujrat** for the University Examination of MB Semester III (M.Sc.) for the **Subject: SSMB8090 Microbial Physiology and Metabolism.**
- Worked as **Paper setter for P. P. SAVANI University, Surat, Gujrat** for University Examination of BT/ MB Semester III (B.Sc.) for the **Subject : SSBT2130 Biochemistry and Metabolism-I.**