



॥ विद्या विनयेन शोभते ॥

**Changu Kana Thakur Arts, Commerce and Science College, New Panvel
(Autonomous)**

Re-Accredited 'A+' Grade by NAAC

'College with Potential for Excellence' Status Awarded by University Grants Commission

'Best College Award' by University of Mumbai

**Department of Biotechnology
Research Publications**

**Research Publications/Presentations
(Academic Year -2017-2018 to 2022-2023)**

A) Publications by the Faculty

Particulars	No. of Publications
Peer Viewed National Journal	01
Peer Viewed International Journal- UGC CARE	04
Non-Peer Viewed National Journal	03
Book Chapters	02
Total	10

B) Details of Publications: (2017-2018 to 2022-2023)

- S.S. Kokitkar, L.R. Chavan and S.A. Bhagat:** Alleviation of Adverse Effects of Salt Stress in *TriticumAestivum*by Foliar Application of Compatible Solutes. International Journal Of Researches In Biosciences, Agriculture And Technology, Vol. V, Special Issue (3), pp., 272-276 (ISSN 2347 – 517X) **UGC Approved Journal**
- S.A. Bhagat, S.S. Kokitkar and L.R. Chavan:** Isolation of chloropyrifos degrading bacteria from contaminated soil and evaluation of their bioremediation potential. International Journal Of Researches In Biosciences, Agriculture And Technology, Vol. V, Special Issue (3), pp., 308-312 (ISSN 2347 – 517X) **UGC Approved Journal**

3. Shweta Bhagat and **Seema Kokitkar ***. Isolation and identification of bacteria with cellulose-degrading potential from soil and optimization of cellulase production. Journal of Applied Biology & Biotechnology Vol. 9(06), pp. 154-161, **November, 2021**. Available online at <http://www.jabonline.in> DOI: 10.7324/JABB.2021.96020. **UGC CARE LIST-II** (Indexing-Scopus, Web of Science)
4. **Smita Viplav Sawant and Seema Sambhaji Kokitkar*** Phytochemical Profiling and GC-MS analysis of n-Hexane extract of Lavandula bipinnata (Roth) Kuntze leaves. Jour Pl Sci Res 38 (1) 357–363 2022. **UGC CARE-I**
5. **Sushilkumar S. Ghadage**, (2021). Isolation, Purification And Characterization Of Antibacterial Peptide From Soil In Panvel Region, ERJ-Vol VIII, Issue VI Dec 2021,140-146 (**Peer Reviewed**)

Book Chapters

1. S. M. Patil , A. S. Tamboli, B. N. Bhalkar, S. N. Survase , **A. D. Watharkar**, B. H. Jeon 2023. 24 - Systems biology and multi omics integration in biological treatment of textile wastewater. Current developments in Bioengineering and Biotechnology (Advances in Ecofriendly and sustainable technologies for treatment of textile wastewater) <https://doi.org/10.1016/B978-0-323-91235-8.00011-5> Elsevier Pages: 711-742.
2. 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 .

Publications in Anugoonj

1. S. S. Ghadage, A. D.Kumthekar,“Awareness about solid waste disposal amongst the population of Domestic Sector in Panvel Region” Anugoonj, Issue No.:06, 2017 pp 53-57 ISSN No.2348-9731. (**Non- peer-reviewed**)
2. Mr. S.S. Ghadage, Ms. Sharmila S.Ghangale, Ms.R.D.Nanekar, Ms.S.P. Dongare, Ms. A. D. Kumthekar, “To Study the Awareness about Viral Pandemics and Prevention amongst Indian Population” College Level Annual Journal “Anugoonj” (**Non peer-reviewed**), ISSN:2348-9731, (2019-2020), Pg. No.- 20-24

3. Dr. Sharmila S. Ghangale and Mrs. S. P. Dongare, "Impact of Online Education on Teaching-Learning Process and its Future Consequences in Nation Development", College Level Annual Journal "Anugoonj" (Non peer-reviewed), ISSN:2348-9731, (2020-2021)

C) Oral Presentations by the Faculty :

	No. of Oral Presentations
International Level	12
National Level	--
State Level	--
Total	12

Sl. No.	Name of all Authors	Title of the Paper	Name of Institute	Date of Presentation
1.	S. S. Kokitkar, L. R. Chavan and S. A. Bhagat	Alleviation of adverse effects of salt stress in <i>Triticum aestivum</i> by foliar application of compatible solutes	Gopal Krishna Gokhale College, Kolhapur	7/11/2017
2.	S. A. Bhagat S. S. Kokitkar and L. R. Chavan	Isolation of Chlorpyrifos degrading bacteria from contaminated soil and evaluation of their bioremediation potential	Gopal Krishna Gokhale College, Kolhapur	8/11/ 2017
3.	Dr. S. S. Kokitkar and Ms. S. A. Bhagat	Screening and isolation of potential cellulolytic bacteria from soil and optimization of culture conditions for maximum cellulase production.	Prin. L. N. Welingkar Institute of Management, Development & Research, Matunga, Mumbai	20/12/2019
4.	Bhagat S.A. Kokitar S.S.	optimization of pectinase production by bacillus species using submerged fermentation	3 rd International Conference on 'Empirical and Theoretical Research (ICETR-2022)' organized by International Board for Education, Research and Development	28/01/2022 29/01/2022

5.	Smita Sawant	Phytochemical Profiling and GC-MS analysis of n-Hexane extract of <i>Lavandula bipinnata</i>	International Conference, G.N Khalsa college, Mumbai	08/04/2022 09/04/2022
6.	Rupali D. Nanekar and Seema S. Kokitkar*	Isolation, characterization and optimization of hydrocarbons degrading bacteria from oil contaminated sites of raigad region	University of Mumbai	4/08/2022 To 6/08/2022
7.	Smita Sawant, Seema Kokitkar	"Phytochemical screening, antioxidant study and Identification of active compounds using GC-MS of <i>Lavendula bipinnata</i> leaves.	International e-Conference on "Recent Innovations In Science and Technology" RIST-2023	10/01/2023 11/01/2023
8.	Dr. S. S. Ghangale	<i>Pseudomonas aeruginosa</i> : The Eco sustainable Tool for Bioremediation of Mercury	SANDIP University, Nashik in collaboration with Society for Green Environment, India	25/02/2022 26/02/2022 and 27/02/2022
9.	Rupali D. Nanekar and Seema S. Kokitkar*	Isolation, characterization and optimization of Diesel degrading bacteria from oil contaminated Soils of raigad region	Mohanlal Sukhadia University, Udaipur, Rajasthan	15/03/2023
10.	Bhawana. P. Nile1 and Seema. S. Kokitkar *	Screening, isolation and characterization of Cholesterol degrading bacteria from the soil Sample	Mohanlal Sukhadia University, Udaipur, Rajasthan	15/03/2023
11.	Smita S. and Seema K.	Phytochemical evaluation, antioxidant potential & GC-MS analysis of <i>soymida febrifuga</i> (roxb.) A. Juss	Mohanlal Sukhadia University, Udaipur, Rajasthan	15/03/2023
12.	Bindu Rajaguru and Seema S. Kokitkar	In vitro propagation of <i>Quisqualis indica</i> : a Medicinal woody plant - as a sustainable approach	Mohanlal Sukhadia University, Udaipur, Rajasthan	15/03/2023

D) Poster Presentations by the Faculty

	No. of Poster Presentations
National Level	01
Total	01

Name of all authors	Title of the paper	Name of Institute	Date of Presentation
Ms. Sonali P. Dongare	Green synthesis of Benzimidazoles	Changu Kana Thakur A.C.S. College New Panvel (Autonomous)	17/02/2020 18/02/2020
