



॥ 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 Projects**

A) Research Projects completed:

Sl. No.	Principal Investigator	Title of the project	Funding agency	Grant received	Year of Submission
1.	Dr. (Mrs.) S.S. Kokitkar	Effect of Salt stress on carotenoid content in different food sources.	University of Mumbai	30,000/-	2006-2007
2.	Dr. (Mrs.) S.S. Kokitkar	Effect of Salinity on Callus of Jatropha curcas L. & role of osmolytes.	University of Mumbai	35,000/-	2010-2011
3.	Dr. (Mrs.) S.S. Kokitkar	Isolation, Purification and Characterization of protease and lipase from isolates in Raigad district and their comparative study in oil degumming for Biodiesel Production.	UGC	2,00,000/-	2010-2012
4.	Dr. (Mrs.) M.N. Gurav	Hydrological study of river kalundri for water Quality monitoring.	University of Mumbai	30,000/-	2011-2012
5.	Dr. (Mrs.) M.N. Gurav	Effect of Anthropogenic activities on water quality and planktonic diversity of river Ghadi.	UGC	1,35,000/-	2011-2012

6.	Dr. (Mrs.) S.S. Kokitkar	Punica Granatum peel and Citrulluslanatus rind mediated green synthesis of copper nanoparticles an ecofriendly approach.	University of Mumbai	30,000/-	2014-2015
7.	Mrs. L.R. Chavan	Potential of immobilized silicate solubilizing bacteria from rhizospheric soils in Raigad district to alleviate metal phytotoxicity	University of Mumbai	40,000/-	2017-2018
8.	Mr. S. S. Ghadage	Isolation, Purification and Characterization of Antibacterial Peptide from Soil in Panvel region.	University of Mumbai	30,000/-	2019-2020
9.	Dr. (Mrs.) S.S. Kokitkar	Production, Purification and Immobilization of β -glucosidase from Cellulolytic Isolates of Riagad District and to Check Its Potential for Hydrolysis of Lignocellulosic Biomass for Bioethanol Production	UGC	4,50,000/-	2020-2021
10.	Dr. S.S. Kokitkar and Mrs. L.R. Chavan, Mr. S.S. Ghadage and Ms. R.D. Nanekar	Management of Local Fish waste by turning it into a valuable organic fertilizer: An ecofriendly approach	RUSA	1,00,000/-	2022-2023
11.	Mrs. L. R. Chavan	Encapsulated Bio-fertilizer for salinity stress mitigation	College Seed Money	15,000/-	2022-2023

B) Research Projects Ongoing:

Sl. No.	Principal Investigator	Title of the project	Funding agency	Grant Sanctioned	Date of Sanction
1.	Mr. S.S. Ghadage	Isolation Of IAA producing bacteria and Its Effect on Plant growth	Institutional Seed Money	27000/-	19/10/2022
2.	Dr. A. D. Watharkar Co-PI Dr. S.S. Kokitkar	Development of lab and pilot scale bioreactor for the treatment of a real textile effluent and subsequent toxicity studies in concern with public health in Maharashtra	RUSA	1,00,000/-	18/01/2023
3.	Ms. B. R. Suryawanshi Co-PI Dr. S.S. Kokitkar	Screening, isolation and characterization of cholesterol oxidase from novel microorganisms	RUSA	1,00,000/-	18/01/2023
4.	Dr. S. S. Ghangale Co-PI Dr. S.S. Kokitkar	To Study the therapeutic effect and Phytochemical properties of <i>Nelumbo nucifera</i> (Indian Lotus) seed and its application.	RUSA	1,05,000/-	25/01/2023
5	Dr. A. D. Watharkar (PI), Ms B. R. Suryawanshi (CO-PI) Mrs M. D. Vaishmpayan (CO-PI)	Formulation, Optimization and Evaluation of Herbal Peel off mask and cleansing scrub for clean and healthy skin	(Thakur Infraprojects Pvt. Ltd. (TIPL) Panvel	1,70,000/-	01/01/2024
6	Dr. S.S. Kokitkar (PI), Mrs. L.R. Chavan (CO-PI) Ms R. D. Nanekar (CO-PI)	Construction of a Microbial Consortium for Effective Valorization of Lignocellulosic Biomass and production of bioethanol	(Thakur Infraprojects Pvt. Ltd. (TIPL) Panvel	4,80,000/-	01/01/2024
