

Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune

DEPARTMENT OF CHEMISTRY

Research Activity

A) Research papers published in journals notified on UGC website (2017-23)

Sr. No.	Authors Name	Title with page Nos.	Journal	ISSN/ISBN No.	Year, Volume, Page Number.
1.	Dr. K. G. Kanade	Copper Nanomaterials Derived Preventive Technologies for COVID-19 Pandemic. A Review.	Advanced Journal of Chemistry-Section A	ISSN: 2319-7463	2021, Vol. 2, 59-68
2.	Dr. K. G. Kanade	Investigation of Sorption of Methylene Blue onto Crushed Biomass of Ailanthus Exelsa.	International Journal of Enhanced Research in Science	ISSN: 2319-7463	2021, Vol. 10 Issue 4
3.	Dr. K. G. Kanade	Magnesium Oxide Nanoparticles Facilitates One Pot Wittig Reaction for the Synthesis of Ethyl (2E)-3-(2-Chloroquinolin-3-Yl)Prop-2-Enoate Derivatives.	Chemistry & Biology Interface	ISSN: 2249 - 4820	2021, 11, 5, 171-174
4.	Dr. K. G. Kanade	Studies on Biosensing Properties of Electrodeposited Copper Oxide Films.	Macromolecular Symposia	ISSN: 102213 60, 15213900	2021, 400 (1), 2100227
5.	Dr. K. G. Kanade	Synergistic Surface Basicity Enhancement Effect for Doping of Transition Metals in Nanocrystalline MgO as Catalysts towards One Pot Wittig Reaction.	Arabian Journal of Chemistry	ISSN 1878-5352.	2021, 14 (5), 103134
6.	Dr. K. G. Kanade	Photocatalytic Dye Degradation Study of TiO ₂ Material.	Materials Today Proceedings	ISSN 2214-7853.	2021, 43, 2738–2741
7.	Dr. K. G. Kanade	Palladium Loaded on ZnO Nanoparticles: Synthesis, Characterization and Application as Heterogeneous Catalyst for Suzuki–Miyaura Cross-Coupling Reactions under Ambient and Ligand-Free Conditions.	Materials Chemistry and Physics	ISSN: 254058 4	2020, 243, 122561
8.	Dr. K. G. Kanade	Nanostructured N Doped TiO ₂ Efficient Stable Catalyst for Kabachnik–Fields Reaction under Microwave Irradiation.	RSC Advances	ISSN: 2046-2069	2020, 10 (45), 26997–27005
9.	Dr. K. G. Kanade	Facile Synthesis of Nanostructured Ni-Co/ZnO Material: An Efficient and Inexpensive Catalyst for Heck Reactions under Ligand-Free Conditions.	Arabian Journal of Chemistry	ISSN 1878-5352	2020, 13 (12), 9005–9018.
10.	Dr. K. G. Kanade	Synthesis and characterization of nanostructured Cu-ZnO: An efficient	Arabian J of Chemistry	ISSN	(2019)

		catalyst for the preparation of (E)-3-styrylchromones.		1878-5352	
11.	Dr. K. G. Kanade	Nanocrystalline Cu-ZnO as an Green Catalyst for One Pot Synthesis of 4,4''-(PhenylMethylene)Bis(3-Methyl-1-Phenyl-1H-Pyrazol-5- Ol) Derivatives.	Journal of nanoscience and nanotechnology	ISSN: 1533-4880	2019, 19 (8), 4623–4631.
12.	Dr. K. G. Kanade	Green Synthetic Methodology: An Evaluative Study for Impact of Surface Basicity of MnO ₂ Doped MgO Nanocomposites in Wittig Reaction.	Journal of Solid-State Chemistry	ISSN (Online): 1095-726X	2019, 269, 167–174
13.	Dr. K. G. Kanade	Morphology-Controlled Synthesis of NiCo ₂ O ₄ Nanoflowers on Stainless Steel Substrates as High-Performance Supercapacitors.	Materials Science for Energy Technologies	ISSN 2589-2991 (ONLINE)	2019, 2 (3), 556–564
14.	Dr. K. G. Kanade	ZnCl ₂ Loaded TiO ₂ Nanomaterial: An Efficient Green Catalyst to One-Pot Solvent-Free Synthesis of Propargylamines.	RSC Advances	ISSN: 2046-2069	2019, 9 (56), 32735–32743
15.	Dr. K. G. Kanade	The Calotropis Procera Transformed Green NiO and Fe-NiO Nanoparticles for Diaryl Pyrimidinones Synthesis in Hydrotropic Medium at Room Temperature. Chemistry Select	Chemistry Select	ISSN (Online): 2365-6549	2018, 3 (46), 13140–13153
16.	Dr. K. G. Kanade	A Review on Recent Advances in the Coumarin Derivatives Synthesis via Knoevenagel and Pechmann Condensation.	IJCPS	(ISSN:2319-6602)	2018.
17.	Dr. K. G. Kanade	Synthesis and Characterization of Transition Metals Doped Zinc Oxides Nanocrystalline Materials by Solution Based Precipitation Technique. International Journal of Chemical and Physical Sciences.	IJCPS	(ISSN:2319-6602)	2018.
18.	Dr. K. G. Kanade	Ph Metric Method for Detection Of Cooked Rice Adulteration.	International Journal of Chemical and Physical Sciences	(ISSN:2319-6602)	2018, 7 (Special issue April 2018), 11–17
19.	Dr. K. G. Kanade	Comparative Study of Surface Activation of Nanocrystalline MgO Under Thermal and Microwave Heating in Wittig Reaction.	Int. Res. J. of Science &Engineering	ISSN 2322-0015 (Online)	2018, Special Issue (A3), 28–34.
20.	Dr. K. G. Kanade	Photoelectrochemical Study of Electrodeposited TiO ₂ Thin Films onto F: SnO ₂ Substrates.	Research on Chemical Intermediates	ISSN: 09226168, 15685675	2018, 44 (12), 7277–7288
21.	Dr. K. G. Kanade	Hierarchical Nanostructures of Nitrogen-Doped Molybdenum Sulphide for Supercapacitors.	RSC Advances	ISSN: 2046-2069	2018, 8 (69), 39749–39755

22.	Dr. K. G. Kanade	Heterostructured Ti-Doped ZnO/Ag Metal: An Efficient Photocatalyst for Dye Degradation in Sunlight.	Desalination and Water Treatment	ISSN: 19443994, 19443986	2017, 71, 388–398.
23.	Dr. K. G. Kanade	. Effect of Cd-Doping on the Catalytic Activity of ZnO Nanoflakes in the Synthesis of Benzimidazoles.	Research on Chemical Intermediates	ISSN: 09226168, 15685675	2017, 43 (12), 7277–7290.
24.	Dr. K. G. Kanade	Effect of Air and Nitrogen Annealing on TiO ₂ /Cu ₂ O Heterojunction Photoelectrochemical Solar Cells.	Materials Research Express	ISSN: 20531591	2017, 4 (10), 105011.
25.	Dr. A. A. Kale	Synthesis, Characterization and Biological evaluation of N ₂ , N ₄ -dip-tolylquinazoline-2,4- diamine and N ₂ , N ₄ -bis(4-chlorophenyl) quinazoline-2,4-diamine Quinazoline Derivatives	International Journal of Scientific Engineering and Research (IJSER) India,	2347-3878	2017, Vol-5 Issue-7, pp -412
26.	Dr. A. A. Kale	Synthesis, Characterization and Evaluation of Antifungal and antibacterial activities of Quinazoline derivatives	IJSRT,	2395-6011	2395-602X Vol-3 Issue-9 ,2017
27.	Dr. A. A. Kale	Green synthesis, Characterization of Derivatives of 1, 1'-binaphthalene]-2, 2'-diol	International Journal of Chemical and Physical Sciences, India,	2319-6602	2018, Vol-7, Issue-9,
28.	Dr. A. A. Kale	Kinetics and Thermodynamic Study of Uptake of Pb ²⁺ by Nitrated Biomass of Stalks Prunus cerasus	International Journal of Chemical and Physical Sciences India.	2319-6602	2018, Vol-7, Issue-9
29.	Dr. A. A. Kale	Facile and Low-Cost Synthesis of Iron Oxide Nanoparticle by Precipitation Method	International Journal of Chemical and Physical Sciences India	2319-6602	2018, Vol-7, Issue-9
30.	Dr. A. A. Kale	One Pot Synthesis 1,4 Dihydropyridines Catalyzed by Cu-doped ZnO Nanocatalyst	International Journal of Chemical and Physical Sciences India	2319-6602	2018. Vol-7, Issue-9
31.	Dr. A. A. Kale	Role of Activated Carbon in the Synthesis of Heterocyclic Compounds	International Journal of Chemical and Physical Sciences India,	2319-6602	2018, Vol-7, Issue-9
32.	Dr. A. A. Kale	Synthesis and Characterization of MgO Nanoparticles by Using Sol-Gel Method	International Journal of Chemical and Physical Sciences India,	2319-6602	2018, Vol-7, Issue-9
33.	Dr. A. A. Kale	Environmentally Benign Synthesis and Characterization of Some Novel Pyridine anchored Triazole Derivatives	International Journal of Chemical and Physical Sciences India,	2319-6602	2018, Vol-7, Issue-9
34.	Dr. A. A. Kale	A Review on Recent Advances in the Coumarin Derivatives Synthesis via Knoevenagel and Pechmann Condensation	International Journal of Chemical and Physical Sciences India,	2319-6602	2018, Vol-7, Issue-9

35.	Dr. A. A. Kale	Thermal Performance Study of Paraboloidal Concentrator Solar Cooker	International Journal of Chemical and Physical Sciences India,	2319-6602	2018, Vol-7, Issue-9
36.	Dr. A. A. Kale	Synthesis and Characterization of Transition Metals Doped Zinc Oxides Nanocrystalline Materials by Solution Based Precipitation Technique	International Journal of Chemical and Physical Sciences India,	2319-6602	2018, Vol-7, Issue-9
37.	Dr. A. A. Kale	Synthesis and Characterization of Zn _{0.5-x/2} Mg _x Fe ₂ (2.5-x/2) O ₄ Nanocrystalline ferrite Prepared by Auto-Combustion Method	International Journal of Chemical and Physical Sciences India,	2319-6602	2018, Vol-7, Issue-9
38.	Dr. A. A. Kale	Synthesis, Characterization and Evaluation of Antifungal and Antibacterial Activities of Some Quinazoline Derivatives	International Journal of Chemical and Physical Sciences India,	2319-6602	2018, Vol-7, Issue-9
39.	Dr. A. A. Kale	Three components coupling green synthesis of 3,4 dihydropyrimidinone derivatives under solvent free condition by Biginelli reaction	International Current Research Pharma	2320-7842	2018, 9(2), 01-08
40.	Dr. A. A. Kale	Extraction, Separation Isolations and Phytochemical Investigation of the Insulin Plant ' <i>Costuspictus</i> '	International Journal of Current research Pharma	2320-7842,	2018, 9(2), 01-08
41.	Dr. A. A. Kale	Green Synthesis and Characterization of Dihydropyrimidinone Derivatives using Fruit Juice.	International Current research Pharma, ,	2320-7842	2018, 9(2), 01-08
42.	Dr. A. A. Kale	Kinetics and Thermodynamic Study of Uptake of Pb ²⁺ by Sulphonated Biomass of Stalks Prunuscerasus	International Current research Pharma,	2320-7842,	2018, 9(2), 01-08
43.	Dr. A. A. Kale	Synthesis, Characterization and Bioactivity Study of 5, 5-dimethylcyclohexane1, 3-dione and its derivatives	Purakala, Multidisciplinary Research and Practices in Arts and Humanities, Social Science, Science and Technology,	ISSN: 0971-2143	2020, Vol.31, Pp. 2207-2217, Issue-04
44.	Dr. A. A. Kale	Biosorption of Hg ²⁺ ions by Sulphonated biomass of Stalks of Prunuscerasus,	International Journal of Scientific & Engineering Research	ISSN 2229-5518	2020, Volume 11, 1319-1331, Issue 5
45.	Dr. A. A. Kale	Biosorption of chromium (vi) by using sulphonated biomass of stalks of Prunus cerasus	International journal of modern pharmaceutical research	ISSN: 2319-5878	2020, Vol.4(3), PP- 90-96, Issue 31
46.	Dr. A. A. Kale	Biosorption of Pb ²⁺ ions by Nitrated biomass of Bengal gram (Cicer arietinum) NBCA. Batch Study	Study Journal of Engineering Science	ISSN NO:0377-9254	2020, Vol 11, Issue 8, pp62-73

47.	Dr. A. A. Kale & R.S.Pawar	To Study Adsorption Capacity of Methylene Blue by Powdered Biomass of Ailanthus excelsa	International Journal of All Research Education and Scientific Methods (IJARESM),	ISSN: 2455-6211	2021, Volume 9, Issue 4
48.	Dr. A. A. Kale & R.S.Pawar	Biosorption Potential for Methylene Blue by Sieved Biomass of Ailanthus excelsa.	International Journal of Research and Analytical Reviews (IJRAR)	E-ISSN 2348-1269, P- ISSN 2349-5138	2021, Volume 8, Issue 2
49.	Dr. A. A. Kale & R.S.Pawar	Investigation of Sorption of Methylene Blue onto Crushed Biomass of Ailanthus Excelsa.	International Journal of Enhanced Research in Science, Technology & Engineering	ISSN: 2319-7463,	2021, Vol. 10 Issue 4, Page 17
50.	Dr. A. A. Kale	Synthesis and Bioactivity of Dihydropyrimidinone Derivatives Containing Phthalimide Moiety	International Journal of Innovative Research in Technology	ISSN: 2349-6002	2021, Volume 7 Issue 12, 426-531
51.	Dr. A. A. Kale	Kinetic and Thermodynamic Study of Adsorption Methylene Blue by Nitrated Biomass of Prunus Cerasus	Asian Journal of Research in Chemistry		2021, Vol.:14, Issue:04
52.	Dr. A. A. Kale	Removal of Methylene Blue by Adsorption onto Activated Biomass of Prunus Cerasus (ACBPC) -Batch Study."	Manuscript Number: IJACS,	(2021-02—012)	2021, Volume-9, Issue-3
53.	Dr. A. A. Kale & R.S.Pawar	Adsorption of O-Nitro Phenol by Sulphonated Biomass of Ailanthus excelsa. (SBAE)	International Journal of Creative Research Thoughts (IJCRT)	ISSN: 2320-2882	2021, Volume 9, Issue 8
54.	Dr. A. A. Kale	Kinetic and Thermodynamic Study of Adsorption Methylene Blue by Nitrated Biomass of Prunus Cerasus	Asian Journal of Research in Chemistry		Issue 3
55.	Dr. A. A. Kale & R.S.Pawar	Adsorption of Methylene Blue by Sulphonated Biomass of Ailanthus excelsa	Journal of Emerging Technologies and Innovative Research,	(ISSN-2349-5162)	2021, Volume 8, Issue 8
56.	Dr. A. A. Kale & R.S.Pawar	Uptake Capacity of Methylene Blue by Adsorption onto Nitrated Biomass of Ailanthus excelsa	International Journal of Innovative Research in Technology,	ISSN: 2349-6002	2021, IJIRT, Volume 8
57.	Dr. S. B. Misal	Synthesis, structural and electrical conduction of some dual doped semiconductor oxides nanoparticles for photocatalytic degradation of Victoria blue-B and Brilliant yellow under solar light irradiation	J Mater Sci: Mater Electron	ISSN: 0957-4522 (print); 1573-482X (web)	2021, 32: 4998–5034
58.	Dr. S. B. Misal	Preparation and Characterization of Nanosized Substituted Perovskite Compounds with Orthorhombic Structure	Physics And Chemistry of Solid State	ISSN 1729-4428 (Print); ISSN 2309-8589 (Online)	2021, V. 22, No. 4 pp. 664-686
59.	Mr. R. B. Gawade	Ultrasound Assisted Synthesis of 1, 5-Diaryl and 1, 3, 5-Triaryl-2-	Asian Journal of Chemistry.	ISSN: 1861-4728	2018, 4, 894-896.

		pyrazolines by Using KOH/EtOH System with Cu (I) Catalyst.			
60.	Mr. R. B. Gawade	Ultrasound Assisted Synthesis of 1, 5-Diaryl and 1, 3, 5-Triaryl-2-pyrazolines by Using KOH/EtOH System with Cu (I) Catalyst	Asian Journal of Chemistry	ISSN: 1861-4728	2018, 30(4): 894-896
61.	Mr. R. B. Gawade	DBUH-I3 COMPLEX CATALYSED SYNTHESIS OF ARYLIDENE DERIVATIVES OF PYRAZOLE	Heterocyclic Letters	ISSN: 2231-3087	2022, 12, 4, 767-773
62.	Mr. R. B. Gawade	Synthesis of γ -Lactones by Nucleophilic Addition of Carboxylic Acid Enediolates to Epoxides.	JETIR	ISSN-2349-5162	2019, 6 738-742
63.	Mr. R. B. Gawade	ESTIMATION OF AN IODINE CONTENT OF AMINE-IODINE-IODIDE COMPLEXES	SAMRIDDHI	ISSN-2454-5761	2022, 14, 2 25-35.
64.	Mr. R. B. Gawade	COPPER (I) COMPLEX CATALYZED CROSSCOUPLING REACTION OF ARYL ZINC HALIDE WITH ARYL BROMIDE	JETIR	ISSN-2349-5162	2020, 7, 9 390-393
65.	Mr. R. B. Gawade	Li_2MnCl_4 An Efficient Nucleophile in Epoxide Ring Opening Reactions to Afford Synthesis of Chlorohydrins.	IJRAR	ISSN 2348-1269	2018, 5, 4, 521-524
66.	Mr. R. B. Gawade	Synthesis of Substituted Phenyl Acetic Acid Using benzylicorganozinc Reagents and Carbon Dioxide	IJCPS	ISSN-2319-6602	2018, 7, 205-208
67.	Mr. R. B. Gawade	Ultrasound Assisted Copper (I) Catalyzed Conjugate Addition of Heterocyclic bromides to 1, 1-Diacetate	IJSRST	ISSN: 2395-6011	2018, 4, 2, 446-449
68.	Mr. R. B. Gawade	CuI.PPh_3 Based Functionalized Aromatic Organocopper Reagents Efficient in the Formation of Carbon-Carbon Bonds with Epoxides	IJSRST	ISSN: 2395-6011	2017, 3, 8, 998-1001
69.	Mr. R. B. Gawade	$\text{Cu (MeCN)}_4\text{BF}_4$ Catalyzed Addition of 2-Pyridylzinc Bromide to Acid Chlorides	IJSRST	ISSN: 2395-6011	2017
70.	Mr. R. B. Gawade	DBUH+I3 complex an efficient catalyst for the synthesis of 2-phenyl benzimidazole and benzothiazole derivatives	JSCS	ISSN: 1820-7421	2023
71.	Dr. S.T. Shinde	Nanocrystalline Cu-ZnO as an Green Catalyst for One Pot Synthesis of 4,4 -((phenyl)methylene) bis(3-methyl- 1-phenyl-1H-pyrazol-5-ol) Derivatives	Journal of nanoscience and nanotechnology	ISSN: 1533-4880 (Print); EISSN: 1533-4899 (Online)	2019
72.	Dr. S.T. Shinde	Effect of Cd-doping on the catalytic activity of ZnO nanoflakes in the synthesis of benzimidazoles	Research on Chemical Intermediate	ISSN 0922-6168 E-ISSN 1568-5675	2017

73.	Dr. S. T. Shinde	Palladium loaded on ZnO nanoparticles: Synthesis, characterization, and application as heterogeneous catalyst for Suzuki–Miyaura cross-coupling reactions under ambient and ligand-free conditions	Materials Chemistry and Physics	ISSN 0254-0584	2020
74.	Dr. S. T. Shinde	ZnCl ₂ loaded TiO ₂ nanomaterial: an efficient green catalyst to one-pot solvent-free synthesis of propargylamines	RSC Advances	ISSN 2046-2069	2019
75.	Dr. S. T. Shinde	Facile synthesis of nanostructured Ni-Co/ZnO material: An efficient and inexpensive catalyst for Heck reactions under ligand-free conditions	Arabian Journal of Chemistry	ISSN: 1878-5352	2020
76.	Dr. S. T. Shinde	Nanostructured N doped TiO ₂ efficient stable catalyst for Kabachnik–Fields reaction under microwave irradiation	RSC Advances	ISSN 2046-2069	2020
77.	Dr. S. T. Shinde	DBUH-I ₃ complex catalysed synthesis of arylidene derivatives of pyrazole	Heterocyclic Letter	ISSN: (print) 2231–3087 / (online) 2230-9632	2022
78.	Dr. S. T. Shinde	Synthesis and Characterization of Transition Metals Doped Zinc Oxides Nanocrystalline Materials by Solution Based Precipitation Technique	IJCPS	ISSN:2319-6602	2018
79.	Dr. S. T. Shinde	Green synthesis, Characterization of Derivatives of 1, 1'-binaphthalene]-2, 2'-diol	IJCPS	ISSN:2319-6602	2018
80.	Dr. S. T. Shinde	A Review on Recent Advances in the Coumarin Derivatives Synthesis via Knoevenagel and Pechmann Condensation	IJCPS	ISSN:2319-6602	2018
81.	Dr. A. K. Valvi	Synthesis of Benzimidazole and Benzothiazole Derivatives using Reusable Waste Stem of Trigonella Foenum-graecum Assisted Zinc Sulphide Nanoparticles: A Green and Efficient Solid Acid Catalyst.	<i>Materials Today: Proceedings.</i>	ISSN No. 2214-7853	2023, 73 (3), 481-486
82.	Dr. A. K. Valvi	An Organo-Heterogeneous catalyst for synthesis of benzimidazole derivatives using nanoparticles synthesized from Plant extract and supported on Montmorillonite K10.	<i>Materials Today: Proceedings.</i>	ISSN No. 2214-7853	2022. 58(2), pp764-768
83.	Dr. A. K. Valvi	Synthesis of benzimidazole derivatives in an aqueous media and reflux conditions catalyzed by glycine at pH 5.2 under microwave approach.	<i>Materials Today: Proceedings</i>	ISSN No. 2214-7853	2022, 58(3), 769-772
84.	Dr. A. K. Valvi	One-Pot synthesis of 2-sustituted-4-methylthiazole-5-carboxylates from	<i>Materials Today: Proceedings</i>	ISSN No. 2214-7853	2022, 58(2),

		ethyl acetoacetate and thiourea by using oxone and Iodobenzene reaction system.			pp.749-752.
85.	Dr. A. K. Valvi	Nano catalyst derived from plant <i>Polyzygus Tuberosus</i> : a suitable for Efficient and Green Synthesis of Benzimidazole Derivatives.	<i>Materials Today: Proceedings</i>	ISSN No. 2214-7853	2022, 50, pp.1522-1526.
86.	Dr. A. K. Valvi	Phytochemical Study, Antioxidant and Anti-inflammatory Activity of the <i>Carvia Callosa</i> (Nees) Bremek.	<i>Int. J. of Aquatic Science,</i>	ISSN No. 2008-8019	2021, 12(2), pp.4769-4775.
87.	Dr. A. K. Valvi	Phytochemical analysis, anti-oxidant and anti-inflammatory of <i>Belosynapsis vivipara</i> leaves and roots,	International Journal of Botany Studies	ISSN No. 2455-541X	2021, 6(4), 138-142
88.	Dr. A. K. Valvi	Solvent-Controlled Regioselectivity in Nucleophilic Substitution Reactions of 1-X-2, 4-Difluorobenzenes with Morpholine Using Deep Eutectic Solvents	Chemistry Select	ISSN No. 2365-6549	2021, 6 (2), 249-254
89.	Dr. A. K. Valvi	“Zero VOC” Synthetic strategy – Aromatic Amination Reactions in Deep Eutectic Solvents	European Journal of Organic Chemistry	ISSN No. 1099-0690	2018, 35, 4933-4939
90.	Dr. A. K. Valvi	Temperature Dependent Empirical Parameter for Polarity in Choline Chloride based Deep Eutectic Solvents	Journal of Physical Chemistry B	ISSN No. 1520-5207	2017, 121 (50), 11356-11366
91.	Dr. A. K. Valvi	Concentration dependent solvent effect on the S _N Ar reaction between 1-fluoro-2,4-dinitrobenzene and morpholine	Journal of Physical Organic Chemistry	ISSN No. 1099-1395	2017, 30(3), e3615

B) Ongoing /completed research projects by faculty funded by governmental and non-governmental agencies (2017-23)

Sr. No.	Project Status	Principal Investigator	Duration	Title of the Research Project	Amount/ Fund Received	Name of Funding Agency	Year of Sanction
1	Completed	Mrs. Reshma S. Pawar	1. year	Investigation of new sportive material and search of sorption's towards organics and heavy metals	36000	Seed money	2020
2	Completed	Miss. M. B. Kharde	1. year	Synthesis and characterization of novel heterocyclic compounds having anti-diabetic activities.	25000	Seed money	2020
3	Completed	Dr. A. A. Kale	2Year	Characterization of eco-friendly materials and adsorption of phenols, organic acids and heavy metals.	24,000	Seed money	2022
4	Ongoing	Dr. S. T. Shinde	2 Years	Application of ZnO based nanocrystalline materials in organic transformation	28,000	Seed money	2021
5	Ongoing	Dr. A. K. Valvi	2 years	Solvent Effect (Micellar) on Reactivity of Aromatic Nucleophilic Substitution	2,00,000	RUSA	2021
6	Ongoing	Dr. A. K. Valvi	2 years	Effect of Neoteric Solvent on Reactivity of Aromatic Nucleophilic Substitution	25,000	Seed money	2021
Total amount Sanctioned					3,38,000/-		