

**Documents of projects of
M.Sc.-II (Semester – IV)**

Chemistry

Session 2021-22

SEVADAL MAHILA MAHAVIDYALAYA

Place for Higher Learning & Research (Research Academy)
Sakkardara Square, Umrer Road, Nagpur-440009

Report on Projects/ Dissertations allotted to M. Sc.-II(Semester IV) Students of Subject Chemistry during the academic Session from 2016-17 to 2021-22

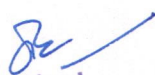
As per the Syllabus of M.Sc.-II(Semester-IV) Chemistry of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, all the students have to complete their project/Dissertation work under the guidance of faculty members and submit their projects.

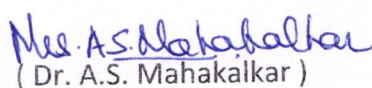
During session 2016 -22 projects were allotted to students on various topics. Various topics of the projects include synthesis of Phosphors Photoluminescence, physicochemical analysis, synthesis of polymer, adsorption, thermo luminescence and estimation of protein.

List of students along with the title of respective project topic and name of supervisor for the above mentioned academic sessions are enclosed herewith.

S. No.	Academic session	No. of students enrolled for Semester- IV
1.	2016-17	16
2.	2017-18	15
3.	2018-19	19
4.	2019-20	14
5.	2020-21	21
6.	2021-22	29




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Sevadale Mahila Mahavidyalaya
Umrer Road, Nagpur.


(Dr. A.S. Mahakalkar)
Incharge
P. G. Department of Chemistry
Sevadale Mahila Mahavidyalaya,
Nagpur

NAAC RE-ACCREDITED WITH 'A' GRADE


Sevadal Mahila Mahavidyalaya

Sakkardara Chowk, Umrer Road, Nagpur-440 009
Department of Chemistry – Academic Session 2021-2022

List of M. Sc. Projects

Sr	Name of Student	Topic of M.Sc. Dissertation	Guide & Name
1.	Akshata Y. Bande	Benzimidazoquinazolinone Derivatives: A Promising Anticancer Drug Analogue	Dr. Mrs. A.S.Mahakalkar
2.	Kutika D. Gupta	Study of Physicochemical parameters of Honey from different region	Dr. Mrs. A.S.Mahakalkar
3.	Yadvi B. Age	Hirshfield Surface and Supramolecular analysis of electron withdrawing group on Dihydropyrimidine compound	Dr. Mrs. A.S.Mahakalkar
4.	Sushma V. Meshram	A Study of Physico chemical parameters of Honey from Different Regions	Dr. Mrs. A.S.Mahakalkar
5.	Afreen Kausar	Luminescence properties Dy ³⁺ and Eu ³⁺ dopped KCl Phosphor	Dr. Mrs. N. S. Dhoble
6.	Shumaila Anjum	Luminescence properties Eu dopped NaCl Phosphor	Dr. Mrs. N. S. Dhoble
7.	Snehal Gadekar	Luminescence properties of Eu ³⁺ dopped NaCl Phosphor	Dr. Mrs. N. S. Dhoble
8.	Ruchika S. Chafle	Luminescence properties of Dy dopped NaCl Phosphor	Dr. Mrs. N. S. Dhoble
9.	Pratiksha S. Ganvir	Luminescence properties of Eu ³⁺ dopped KBr Phosphor	Dr. Mrs. N. S. Dhoble
10.	Titiksha S. Moon	A Study of Luminescence properties of Dy ³⁺ dopped KBr Phosphor	Dr. Mrs. N. S. Dhoble
11.	Priya B. Konge	Studies of Cleansing power of various Detergent powders available in market	Dr. Mrs. M. P. Patil




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12.	Payal D. Padole	Quantitative analysis of natural and commercial juice including citric acid %, vitamin C content, TSS, Sugar acid ratio, pH value and minerals	Dr. Mrs. M. P. Patil
13.	Pratiksha A. Kamble	Adsorption of Cu(II) on activated Charcoal prepared from waste material	Dr. Mrs. M. P. Patil
14.	Priyanka D. Bhoyar	Comparative studies of cleansing power of various liquid soaps available in market	Dr. Mrs. M. P. Patil
15.	Anjali K. Borkar	Co-crystal Synthesis structural Analysis of Aspirin and 3- Nitrobenzoic acid	Dr. Mrs. P. P. Chahande
16.	Arti S. Ahirwar	Co-crystal Preparation, structural Analysis of Aspirin and Phthalic acid	Dr. Mrs. P. P. Chahande
17.	Bharti K. Bhoyar	To Study the Physico chemical parameters of Honey from Mandhal Regions	Dr. Mrs. P. P. Chahande
18.	Alaska N. Nagre	Co-crystal Synthesis structural Analysis of Paracetamol and 3- Nitrobenzoic acid	Dr. Mrs. P. P. Chahande
19.	Ashwini A. Dange	To Study the Physico chemical parameters of Honey	Dr. Mrs. P. P. Chahande
20.	Divya G. Meher	Synthesis and Photoluminescence Characterization of $\text{Na}_2\text{Sr}(\text{PO}_4)\text{F} : \text{Sm}$ Phosphors co-doped with (SO_4) , (WO_4) and (VO_4) ions	Dr. Mrs. A. M. Duragkar
21.	Nidhi V. Bante	Synthesis and Photoluminescence Characterization of Dy, Sm and Eu activated $\text{Sr}_2(\text{PO}_4)\text{F}$ Phosphors	Dr. Mrs. A. M. Duragkar
22.	Gunjan K. Dhabekar	Synthesis and Photoluminescence study of ZnAlO_4 doped with Eu^{3+} and Sm^{3+} Phosphors	Dr. Mrs. A. M. Duragkar
23.	Megha S. Borkar	Synthesis and Photoluminescence Characterization of Eu activated $\text{Na}_2\text{Sr}(\text{PO}_4)\text{F}$ Phosphors co-doped with (SO_4) and (VO_4) ions	Dr. Mrs. A. M. Duragkar
24.	Mrunali g. Thete	Synthesis and Photoluminescence Characterization of $\text{Na}_2\text{Sr}(\text{PO}_4)\text{F} : \text{Dy}$ Phosphors co-doped with (SO_4) , (WO_4)	Dr. Mrs. A. M. Duragkar

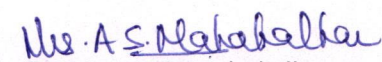



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		and (VO ₄) ions	
25.	Rupali Watkar	A Study of Molecular Docking and Virtual Screening to find Novel Protein for 2-Deoxy-D-Glucose	Dr. Mrs. P. P. Morey
26.	Rohini D. Vaidya	Effect of Activated carbon on Dyes	Dr. Mrs. P. P. Morey
27.	Vishakha B. Ashtankar	Determination of various adulterant in different Tea samples	Dr. Mrs. P. P. Morey
28.	Priya A. Dhobale	A Study of Molecular Docking and Virtual Screening to find Novel Protein for Molnupiravir Drug	Dr. Mrs. P. P. Morey
29.	Shubhangi A. Kamane	Co-crystal Preparation and Analysis of Benzocaine based derivative	Dr. Mrs. P. P. Morey




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 Umrer Road, Nagpur.


 Dr. Mrs. A. S. Mahakalkar
 HOD, Dep of Chemistry
 Sevalal Mahila Mahavidyalaya

**Documents of projects of
M.Sc.-II (Semester – IV)**

Zoology

Session 2021-22

SEVADAL MAHILA MAHAVIDYALAYA, NAGPUR
Place for Higher Learning & Research (Research Academy)
Department of Zoology

Report on
Projects / Dissertations allotted to M.Sc. II, Semester –IV
Students of Subject Zoology during the academic Session from
2016-17 to 2021-22


As per the syllabus of M.Sc. II, Semester-IV Zoology of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, the students enrolled for P.G Zoology course have to complete their Project/ Dissertation work under the supervision of faculty members for the partial fulfilment of the degree.

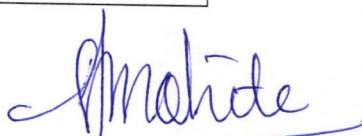
During the academic session from 2016-17 to 2021-22, P.G. Zoology semester IV students here allotted project on various topics such as, **Biodiversity of Birds, Butterflies & fishes; Histopathological effect of various pesticides on the vital organs of fish; effect of chemostorilant hexamethylphosphoramide on the gonads of insects; evaluation of physico-chemical parameters and water quality index from various water bodies and rivers; Review of literature on various topics, etc.**

List of students along with the title of respective project topic and name of the supervisors for the above mentioned academic sessions are enclosed herewith.

S.No.	Academic Session	No. of Students Enrolled for Semester -IV
1.	2016-17	14
2.	2017-18	18
3.	2018-19	26
4.	2019-20	19
5.	2020-21	26
6.	2021-22	33




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Umrer Road, Nagpur.


(Dr. Anil S. Mohite)
In-Charge,
P.G. Department of Zoology
Sevalal Mahila Mahavidyalaya,
Nagpur

SEVADAL MAHILA MAHAVIDYALAYA, NAGPUR

P.G. Department of Zoology

M.Sc . Projects - Session 2021-22

List of Students.

S.No	Name of Students	Topic Name	Name of Guide
1.	Twinkle Jagdish Arora	Evaluation of Water Quality Index of Gorewada Lake and Aqua Filter with three Different Zone of Nagpur City for Pure and Pristine Water, Maharashtra India	Miss. Aasiya Syed Nasir & Dr. A.V. Dorlikar
2.	Divya Bharatkishor Yadav	Evaluation of Water Quality Index of Gorewada Lake and Aqua Filter with three Different Zone of Nagpur City for Pure and Pristine Water, Maharashtra India	Miss. Aasiya Syed Nasir & Dr. A.V. Dorlikar
3.	Snehal Suresh Khandare	Evaluation of Water Quality Index of Gorewada Lake and Aqua Filter with three Different Zone of Nagpur City for Pure and Pristine Water, Maharashtra India	Miss. Aasiya Syed Nasir & Dr. A.V. Dorlikar
4.	Arzu Sheshrao Gabhane	Studies on β - Diversity Indices and Composition of Zooplanktons at Ambazari Lake, Nagpur (Maharashtra)	Dr. A.V Dorlikar
5.	Simran Fatma I. Ahmed Ansari	Studies on β - Diversity Indices and Composition of Zooplanktons at Ambazari Lake, Nagpur (Maharashtra)	Dr. A.V Dorlikar
6.	Kalyani Manohar Thakre	Studies on β - Diversity Indices and Composition of Zooplanktons at Ambazari Lake, Nagpur (Maharashtra)	Dr. A.V Dorlikar
7.	Nasrin Munaf Sheikh	Studies on Qualitative Analysis of Zooplanktons at Rakhi Lake, Ramtek (Maharashtra)	Dr. A.V Dorlikar & Prof . P.N. Charde.
8.	Sonu Gopal Kodwate	Studies on Qualitative Analysis of Zooplanktons at Rakhi Lake, Ramtek (Maharashtra)	Dr. A.V Dorlikar & Prof . P.N. Charde.
9.	Shweta Arun Damahe	Studies on Qualitative Analysis of Zooplanktons at Rakhi Lake, Ramtek (Maharashtra)	Dr. A.V Dorlikar & Prof . P.N. Charde.
10.	Kajal Rajesh Barvekar	Association of Age, Sex and Co-Morbidities with the Infection and Survival of COVID-19 Patients During First Wave in Tumsar, Bhandara District: Data from 1004 Patients from Health Care Centre, Tumsar.	Dr. (Mrs.) S.W. Charpe& Dr. A.S. Mohite



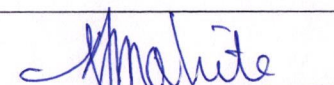
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11.	Kalyani R. Wadibhasme	Association of Age, Sex and Co-Morbidities with the Infection and Survival of COVID-19 Patients During First Wave in Tumsar, Bhandara District: Data from 1004 Patients from Health Care Centre, Tumsar.	Dr. (Mrs.) S.W. Charpe & Dr. A.S. Mohite
12.	Kajal Fulchand Patle	Association of Age, Sex and Co-Morbidities with the Infection and Survival of COVID-19 Patients During First Wave in Tumsar, Bhandara District: Data from 1004 Patients from Health Care Centre, Tumsar.	Dr. (Mrs.) S.W. Charpe & Dr. A.S. Mohite
13.	Ruchita Markand Shinde	COVID-19 Second Wave Zone 3 and Zone5 of Nagpur City, Maharashtra: A Retrospective Survey for Demographic and Clinical Characterization	Dr. (Mrs.) S.W. Charpe & Dr. A.S. Mohite
14.	Kirti Suresh Kadu	COVID-19 Second Wave Zone 3 and Zone5 of Nagpur City, Maharashtra: A Retrospective Survey for Demographic and Clinical Characterization	Dr. (Mrs.) S.W. Charpe & Dr. A.S. Mohite
15.	Pooja Shobharamji Mehune	COVID-19 Second Wave Zone 3 and Zone5 of Nagpur City, Maharashtra: A Retrospective Survey for Demographic and Clinical Characterization	Dr. (Mrs.) S.W. Charpe & Dr. A.S. Mohite
16.	Vanshika Wamanrao Chandekar	Fish Fauna of Local Markets in Nagpur City, Maharashtra	Miss. S.S. Marbate & Dr. A.V. Dorlikar
17.	Damini Prabhakar Bhagat	Fish Fauna of Local Markets in Nagpur City, Maharashtra	Miss. S.S. Marbate & Dr. A.V. Dorlikar
18.	Chaitali Vishwanath Yelne	Fish Fauna of Local Markets in Nagpur City, Maharashtra	Miss. S.S. Marbate & Dr. A.V. Dorlikar
19.	Shriya Rajendra Gajbhiye	A Review of Growth Regulating Effects of Natural Pesticide, Azadirachtin from Neem Tree (Azadirachtaindica A. Juss) in Insects	Dr. A. S. Mohite
20.	Veena Techchand Tembhare	A Review of Growth Regulating Effects of Natural Pesticide, Azadirachtin from Neem Tree (Azadirachtaindica A. Juss) in Insects	Dr. A. S. Mohite
21.	Roshani Naresh Bhure	A Review of Growth Regulating Effects of Natural Pesticide, Azadirachtin from Neem Tree (Azadirachtaindica A. Juss) in Insects	Dr. A. S. Mohite
22.	Chetna Rajhans Gajbhe	A Review of Biomedical Waste and Management Maharashtra, India.	Miss. P. A. Hadge & Dr. A.V. Dorlikar




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23.	Kavita Vitthaleao Sontakke	A Review of Biomedical Waste and Management Maharashtra, India.	Miss. P. A. Hadge & Dr. A.V. Dorlikar
24.	Nomeshwari D. Awachat	A Review of Biomedical Waste and Management Maharashtra, India.	Miss. P. A. Hadge & Dr. A.V. Dorlikar
25.	Punam Ramkrushna Bhingare	A Review of Blood Components, Their Preparation and Storage Strategies to Improve Patient Safety	Miss. S.S. Marbate & Dr. A. S. Mohite
26.	Kirti Sunil Hande	A Review of Blood Components, Their Preparation and Storage Strategies to Improve Patient Safety	Miss. S.S. Marbate & Dr. A. S. Mohite
27.	Pratiksha Vinod Hadke	A Review of Blood Components, Their Preparation and Storage Strategies to Improve Patient Safety	Miss. S.S. Marbate & Dr. A. S. Mohite
28.	Varsha Arun Chakole	A Case Study on the Analysis of the Physicochemical Parameters of Raw and Treated Water of Sonagon Sewage Treatment Plant in Nagpur City, Maharashtra (India)	Dr. A.S. Mohite & Mrs. Pinkey L. Kanojiya
29.	Kalyani Sadaram Gahane	A Case Study on the Analysis of the Physicochemical Parameters of Raw and Treated Water of Sonagon Sewage Treatment Plant in Nagpur City, Maharashtra (India)	Dr. A.S. Mohite & Mrs. Pinkey L. Kanojiya
30.	Pranali Bharat Gedam	A Case Study on the Analysis of the Physicochemical Parameters of Raw and Treated Water of Sonagon Sewage Treatment Plant in Nagpur City, Maharashtra (India)	Dr. A.S. Mohite & Mrs. Pinkey L. Kanojiya
31.	Shreya Sanjay Jaysingpure	Avifaunal Diversity and their Status in and Around Ambazari Lake, Nagpur, Central India	Dr. (Mrs.) J.S. Dahegaonkar
32.	Akshaya Ghansham Ramteke	Avifaunal Diversity and their Status in and Around Ambazari Lake, Nagpur, Central India	Dr. (Mrs.) J.S. Dahegaonkar
33.	Kshitija Ravindranath Lichode	Avifaunal Diversity and their Status in and Around Ambazari Lake, Nagpur, Central India	Dr. (Mrs.) J.S. Dahegaonkar


(Dr. A. S. Mohite)

In-Charge

PG Department of Zoology
Sevadal Mahila Mahavidyalaya, Nagpur




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SEVADAL MAHILA MAHAVIDYALAYA, NAGPUR

Place for Higher Learning and Research (Research Academy)

Department of Environmental Science

Report on Projects/Dissertation allotted to M.Sc.II, Semester-IV Students of Subject Environmental Science during the academic Session from 2016-17 to 2021-22

As per the syllabus of M.Sc. II, Semester-IV (Environmental Science) of Rashtrasant Tukadoji Maharaj Nagpur University Nagpur, the students enrolled for PG Environmental Science course have to complete their Project/Dissertation work under the supervision of faculty members for the partial fulfillment of the degree.

During the academic session from 2016-17 to 2021-22, P.G Environmental Science semester-IV students are allotted project on various topics such as, **Effect of industrial waste on plants; Proximate analysis of solid waste; Biogas production through cow dung; Physico-chemical characteristics of water and wastewater sample; Impact of industrial waste on soil; Analysis of contaminated soil; Preparation of vermicast; Removal of contaminants from water and wastewater using natural adsorbents; Preparation of bio-plastic; Impacts of noise pollution; Heavy metals analysis in fly-ash; Review of literature on various topics, etc.**

List of students along with the title of respective project topic and name of the supervisor for the above mentioned academic sessions are enclosed herewith.

S.No.	Academic session	No. of students enrolled for Semester-IV
1.	2016-17	11
2.	2017-18	27
3.	2018-19	23
4.	2019-20	12
5.	2020-21	21
6.	2021-22	26



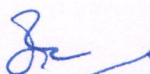
(Dr.S.L.Pal)

In-Charge

P.G.Department of Env.Science
Sevadal Mahila Mv, Nagpur

In-Charge

PGTD, Environmental Science
Sevadal Mahila Mahavidyalaya, Nagpur



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Sakkardara Square, Umrer Road Nagpur

Post Graduate Department of Environmental Science


List of the Students for Dissertation

MSc II Environmental Science

Session: 2021-22

Sr No.	Name of the Student	Topic Name	Name of the Guide	Name of the Co-Guide
1.	Abhilasha Zanzad	Vermicompost preparation from using different types of organic waste.	Dr. B.S.Tapase	
2.	Achal Bhisekar	Evaluation of the Heavy metals contamination in groundwater of Bhugaon Industry.	Dr. B.S.Tapase	
3.	Aparna Khandait	-	Mrs.P.V. Barde	Dr. P.N. Charde
4.	Apeksha Gondane	Physico-chemical analysis of Ambora river in water.	Mrs.P.V. Barde	Dr. P.N. Charde
5.	Apurva Shende	Study of heavy metals in groundwater around Western Coalfields Limited (WCL), Umred	Mrs.P.V. Barde	Dr. P.N. Charde
6.	Ashvini Narade	Comparative analysis of RO treated water and well water	Dr S. L Pal	
7.	Dinisha Uikey	Effectiveness of neem seed extract as a Bio Insecticide against Mustard Aphid.	Mrs.P.V. Barde	Dr S. L Pal
8.	Hemlata Mehar	Experimental study on aeration performance and bubble characteristics of inverted umbrella aerator on lake water and wastewater.	Dr. B.S.Tapase	
9.	Madhuri Mahore	Estimation of bio-absorption of heavy metal by the roadside plantation from heavy traffic area.	Mrs A.A. Chinchmalatpure	Dr. P.N. Charde
10.	Minakshi Nannaware	Physico-Chemical characteristics of Flyash &	Mrs A.A. Chinchmalatpure	Dr. P.N. Charde




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		Cowdung and its application in eco-friendly products.		
11	Mrunal Mathurkar	Comparative study of organic soil, inorganic soil and barren soil.	Mrs.P.V. Barde	Dr S. L Pal
12	Neha Chaudhari	Assessment of soil quality with respect to Physico-Chemical parameters and some heavy metals in surroundings of Thermal Power Station, Khaperkheda, Koradi, Maharashtra, India.	Mrs A.A. Chinchmalatpure	Dr S. L Pal
13	Neha Ghughuskar	Physical- Chemical analysis of Ambora River	Dr S. L Pal	
14	Payal Borkar	Performance evaluation of activated sludge process in the treatment of Nag river waste water	Dr S. L Pal	
15	Pooja Bhute	An overview of application of Biosurfactance in removal of heavy metal from environmental samples.	Dr. K.V. Dubey	
16	Prachi Mane		Dr S. L Pal	
17	Pradnya Petkar		Dr S. L Pal	
18	Puja Pande	-	Dr S. L Pal	-
19	Roshni Kakde	Biodegradation of commercial synthetic dyes present in textiles effluent by microorganism	Dr. Mrs. S.R. Nimbarte	
20	Ruchira Adkine	Characteristics and effects of aquarium waste water on plant growth.	Mrs.P.V. Barde	
21	Sharayu Malamkar	Comparative study of banana peel(Musa Paradisiaca) and alum(aluminium sulphate)	Dr S. L Pal	




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		for coagulant dose in spiked water sample.		
22	Shital Shende	Preparation and use of biopesticides by neem, cattle urine and some natural products.	Dr S. L Pal	
23	Shraddha Wankhede	An overview of effects of industrial effluent on plants and seed germination	Dr. V. S. Dongre	
24	Sneha Khune	Comparative study between agricultural soil and soil contaminated with discharge of polymer waste.	Dr. S.L. Pal	
25	Sonal Satpaise	Disaster management : Relief, Rehabilitation and Development.	Dr. V. S. Dongre	
26	Vishakha Yende	-	Dr S. L Pal	



Dr. S.L. Pal
In-charge
PGDT Environmental Science



Dr. P.N. Charde
principal
Sevadal Mahila Mahavidyalaya

In-Charge
PGTD, Environmental Science
Sevadal Mahila Mahavidyalaya, Nagpur




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