

**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

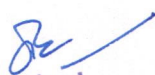
As per the Syllabus of M.Sc.-II(Semester-IV) Chemistry of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, all the students have to complete their project/Dissertation work under the guidance of faculty members and submit their projects.

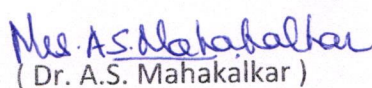
During session 2016 -22 projects were allotted to students on various topics. Various topics of the projects include synthesis of Phosphors Photoluminescence, physicochemical analysis, synthesis of polymer, adsorption, thermo luminescence and estimation of protein.

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




Principal
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(Dr. A.S. Mahakalkar)
Incharge
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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

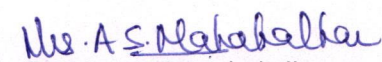



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		and (VO ₄) ions	
25.	Rupali Watkar	A Study of Molecular Docking and Virtual Screening to find Novel Protein for 2-Deoxy-D-Glucose	Dr. Mrs. P. P. Morey
26.	Rohini D. Vaidya	Effect of Activated carbon on Dyes	Dr. Mrs. P. P. Morey
27.	Vishakha B. Ashtankar	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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