

Experimental

HEAD
DEPARTMENT OF PHYSICS
Institute of Science, Nagpur

Institute of Science, Nagpur Department of Chemistry M.Sc. Sem IV Project Details 2023-2024

29	Experimental & Analys	LHARNESSING THE POWER OF BIOGENESIS FOR SUSTAINABLE SYNTHESIS OF SILVER NANOPARTICLES.	יייייייייייייייייייייייייייייייייייייי	Dr. Rajendra K Tayade	ď
28	Experimental	"BIOFABRICATION OF SILVER NANOPARTICLES: HARNESSING NATURE'S BLUEPRINT"	Ms. MOHINI SUDHIR RATHOD		
27	Experimental	"Identification of Unknown Organic Compounds Using Various Spectroscopic Methods"	Prachi Thakare	Dr. Balu S. Navale	8
26	Experimental	Highly Efficient Synthesis of Z-Enamide from Aziactone	Ms. Pooja Dhanorkar	Dr. Rameshwar Shinde	7
25	Experimental	Critical Behavior of Refractive Index of Binary Mixture Ethylene Glycol – Water	ANAM ZUBIYA ASRAR		
24	Experimental	A Comparative Study of Experimental and Theoretical Refractive Index of Binary Liquid Mixture Using Mathematical Methods	DUBEY RANI MANOJ		
23	Experimental	PK Value of Different Fruit Juices By Potentiometric Titration	GHODE PRAGATI RATNAKAR	Flashallt Ashaponey	đ
22	Experimental	Corrosion of Mild Steel In Different Concentration of Nitric Acid.	KORE POOJA DEEPAK		0
21	Experimental	Measuring The Lactose Content in Commercial Milk	UKEY DIVYA RAJENDRA		
20	Experimental	Study of The Effect of Co-Solvents on The Critical Micelle Concentration (CMC) of Sodium Lauryl Sulphate	LOTE DIVYA DILIP		
19	Experimental	Synthesis of Silver nanoparticles and study by UV-visible and Antibacterial activity	Ms. Pranjali Shamkuwar		
18	Experimental	Synthesis of Copper-Oxide nanoparticles	Ms. Shruti Rathi	Dr. S. Z. Jadhav	51
17	Experimental	Synthesis of Ferric oxide Nanoparticle and study by X-ray Diffraction Spectroscopy	Ms. Dipti RAGHUTE	A STATE OF THE STA	
16	Experimental	Colorimetric Estimation of Amoxicillin in Few Capsule Dosage Forms by Charge Transfer Complexation with Sodium Nitroprusside	Mr. Ayush Namdeo Kusram	ia.	
15	Experimental	Use of Phloroglucinol as a Novel Reagent for the Colorimetric Determination of Sulfamethoxazole in Some Pharmaceutical Dosages	Ms. Prachi M. Itankar	or hadar agreem chandra	1
14	Experimental	A Novel Colorimetric Method for the Determination of Chloramphenicol in Pharmaceutical Preparations using Salicylaldoxime as a Coupling Reagent	Ms. Maitreyee S. Padeer		.
13	Experimental	A Simple, Precise and Convenient Colorimetric Determination of Ampicillin in Some Pharmaceutical Formulations by Coupling with Diazotized 4-Aminoacetopenone	Ms. Spurti R. Dekate		
12	Experimental	Synthesis of Few Novel Quinoline Based Azomethine Derivatives from Azo Incorporated Aldehydes	Ms. Shrutika Hanumantrao Borkute		
1	Experimental	"Synthesis of Some Novel Carbohydrazone Derivatives Clubbed with Oxadiazole and Coumarin Moiety	Ms. Pournima Manraj Thakre	Or Mohammad Idrops	Δ
10	Experimental	Preparation of Cadmium Sulphide Thin Film by Chemical Bath Deposition Method and its applications	Ms. Shehroz Afreen		
9	Experimental	ZnO based Dye Sensilized Solar Cells	Ms. Manisha Manohar Randhai	Dr. V. M. Bhuse	ω
8	Experimental	Synthesis and Characterization of CdO Nanoparticles	Mr. Harshkumar C. Dhete		
7	Experimental	Synthesis Characterization and Biological Screening of of Schiff's Base Ligand	Ms. Anjali Bhoyar		
6	Experimental	Green and Chemical Synthesis of Sciffs Base Ligand and its Industrial and Biological Applications	Ms. Nutan Lanje	Dr. A. B. Kalambe	2
5	Experimental	Synthesis and Characterization of Schiff's Base Ligand for Corrosion Inhibition of Mild Steel in Sulphuric Acid Medium	Mr. Rohir Chanorkar		
4	Experimental	Syntehsis and characterization of Ag-Fe Bimetallic Nanoparticles via Green and Chemical methods: INvestigating Catalytic and antibacterial pproperties	Mr. Sushant Rathod	vi. Ogala vev	r
ω	Experimental	Syntehsis and characterization of cerium Nanoparticles via Green and Chemical methods: INvestigating Catalytic and antibacterial pproperties	Ms. Monali Batki		J
2	Experimental	COMPUTER AIDED DOCKING STUDY OF THIAZOLE DERIVATIVES AS SARS CoV - 19 PROTEIN INHIBITORS	Ms. Anisha S. Labale	Ci. Andan Kanargoankar	-
_	Experimental	COMPUTER AIDED DOCKING STUDY OF QUINOLINE DERIVATIVES AS SARS COVID 19 PROTEIN INHIBITORS	Ms. Vinita R. Tijare	Dr Angieli Rahaloogskar	
Sr. No.	Project Type	Project Title	Student Name	Guide name	Sr. No.

मिन्द्रिक्त क्षेत्रका निकाल निकाल क्षेत्रका प्रमुखः रहाट्याविक विभाग विभाग निकाल सर्था, नाजपुरः विभाग विभाग

Institute of Science, Nagpur Department of Zoology: M.Sc. Sem IV Project details Academic Year 2023-24

				3 Dr.					1	\dashv	1	- 2			-
				Dr. J. S. Maske					Di. N. Isrioi Suknadeo Janbandhu	Nich and the second					Dr.Aruna K. Kawadkar
5)Renuka S. Subhedar	4)Zahera Jamal M. A. Khan	3)Rohini R. Jawanjar	2)Pragati V. Hinge	1)Manish G. Chandekar	5) Ku. Kalyani S. Kashyap	4) Chinu L. Katre	3) Mr. Vaibhav P. Kore	2) Ku. UzmaAbidSidhdiqui	1) Ku. Tanvi M. Amesur	Mr. Om Avinash Parbat	Manane	Me Christin Wal-	Ms. Vinanti V Rangari	Mr. Mandar M. Wadhai	Ms. Pratiksha S. Kale
Studies on physico-chemical parameters of two water bodies, Ambazari and Futala lake of Nagpur city	Morphometric and meristic study of some freshwater fishes from Itwari fish market, Nagpur	Study on fecundity and spawning periodicity of Heteropneustesfossilis from Chulband river, Tahsil Lakhani, District Nagpur	Study on ichthyofauna of Kanhan river, Mouda, Dist. Nagpur	Study of zooplankton diversity of Ukkalwahi reservoir, TahsilUmred, Dist. Nagpur	A Survey of Reproductive Health Regarding With Menstrual Cycle	A Survey of Calcium Status in Pre and Post Menopausal Women of Gondia, Maharashtra	Study of Sperms Abnormalities in Human	Survey of Rural and Urban Women's Which Used Contraceptives to Control Birth From Maharashtra	Case Study of Natural Problems Faced by Women to Conceive (Infertility in Women)	Paediatric head injury	Prevalence of Dental caries	Cotonary Artery Disease	college students.	Analysis of general health parameters and routine habite among the	Analysis of general health parameters and routine habits among the female college students.
Experimental	Experimental	Experimental	Experimental	Experimental	Survey	Survey	Experimental	Survey	Case study	Survey	Survey	Survey	Experimental and Survey	Survey	Experimental and

विभाग प्रमुख, क्रांकीशास्त्र विभाग विज्ञान संस्था, नागपूर.

Institute of Science, Nagpur

Department of Botany,

Details about PG Projects completed in 2023-24.

Sr. No.	Guide Name Students Name		Project Title						
1.	Dr. H.R. Pohekar	Yogita S. Kowe	Documentation of wild leafy vegetables of Nagpur district maharashtra.						
2.	Dr. H.R. Pohekar	Chaitanya P. Khandale	Survey of medicinal plants in south Nagpur.						
3.	Dr. H.R. Pohekar	Prathamesh P. Shende	Survey of anti-inflamatory plants in Tadoba National Park (Moharli Village).						
4.	Dr. H.R. Pohekar	Pragati D. Lambat	The survey of medicinal plants from Rajola village of ta. Kuhi, Dist. Nagpur.						
5.	Dr. H.R. Pohekar	Manish P. Kadukar	Survey of wild edible vegetables used by common people of Saoli Taluka of Chandrapur district.						
6.	Dr. N. B. Yemul	Aditi A. Rode	Mitigation of drought stress by application of salicylic acid.						
7.	Dr. N. B. Yemul	Yash Karokar	"Herbicidal action of methanolic extract of <i>Vernonia</i> cinerea (L.) less. On <i>Alternanthera sessilis</i> (L.) R. Br. Ex DC & <i>Clitoria ternatae</i> L."						
8.	Dr. N. B. Yemul	Nidhi Upadhyay	Studies on properties of gum yielding plants from Nagpur district of maharashtra.						
9.	Shrikant Borkar	Bharati R. Fating	Nutritional evaluation of selected wetland plants used as a food by bar headed goose.						
10.	Dr. Uma Thakur	Sakshi Shrikhande	Impact of microfiber pollution on plant growth.						
11.	Dr. Uma Thakur	Pranjali Bhong	Studies on microfibers emission from domestic laundry and its impact on soil properties.						
12.	Dr. Kirti Gopal	Jasmine D. Sakhare	Green synthesis of silver nanoparticles and its characterization.						
13.	Dr. Kirti Gopal	Medhavi S. Barsagade	Mosses used as an air purifier.						
14.	Dr. Kirti Gopal	Samiksha R. Madavi	Cultivation of leafy Vegetable through hydroponics technology.						
15.	Sushma Borkar	Seema Jawade	Evaluation of physicochemical and antioxidant properties of repeatadely fried cooking oil used by food venders and its effects on human health.						
16.	Sushma Borkar	Achal Bagade	Polyherbal formulation of hair oil evaluation of physicochemical parameters.						
17.	Sushma Borkar	Aditi Jaiswal	Role of plants as a bioindicators and application as potential green build for industrial area of Nagpur city.						
18.	Sushma Borkar	Juhi Chalani	Assessment of physiochemical parameters of soil and impact of arbanization and industrialization vegetation around Nagpur city.						
19.	Sushma Borkar	Sakshi Badole	Standardization of TLC for the screening of phytoconstituents of the polyherbal formulation used by the indigenous practitioners for the treatment of anaemia.						

Head, Department of Botany Institute of Science, Nagpur-440001

Institute of Science, Nagpur

Department of Statistics

Details about PG Projects completed in 2023-24.

Sr. No.	Guide Name	Students Name	Project Title
1	Dr. Priti Singh	1.Atharva Ubale	Analysis of Child Mortality and
		2.Renuka Khapre	Maternal Health
		3.Shravani Atkare	
2	Dr. Gayatri Behere	1.Dipansha Chakor	Data Analysis on
		2. Trupti Zade	REV_ANALYTIX:Unveiling Revenue
		3.Vaishnavi Deshmukh	Patterns in Hospitality (EDA Project)
		4.Shejal Barke	
3	Dr.Priti Singh	1.Ruchi Jibhkate	Exploring the Influence of
		2.Ruchika Ambade	Demographic Factors on Food
		3. Vaishnavi Shende	Preferences: A Cross Cultural Analysis
4	Dr.Abhay	1.Nandini Sakhare	Time series Forecasting of Air
	Khamborkar	2. Harshita Patmase	Pollution in Nagpur using different
		3.Shrirang Ganeshe	statistical models and their
			comparison
5	Dr. Gayatri Behere	1.Nachiket Batwe	Credit card Fraud Detection
		2. Afsha Sheikh	
		3.Neha Zoting	

Head
Department of Statistics
Institute of Science, Nagpur



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SUBJECT: ENVIRONMENTAL SCIENCE M.Sc.- Second Year: Semester-IV

Name of the Course: Practical II Laboratory Course Project Work
Course Code: MESSS48

List of students for Research Project by Institute for the Academic Year 2023-24

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2394710	2394709	2394706	2394705	2394707	2394704	2394703	2394702	2394708	2394701	Roll No.
Ms. Shilpa Bhajani	Ms. Nain Sayyed Ms. Shilpa Bhajani		Dr. Anagha Patil	a	Dr. Shubhanoi Janole	Ms. Sukhada Nagpure	Dr. Sheetal Kharwade		Ms. Yashi Sharma	Guide Name
Ms. Varada Aalok Risaldar	Ms. Vaibhavi Chandrashekhar Kshirsagar	Ms. Nisha Raju Rohankar	Ms. Niharika Sureshrao Tople	Ms. Priya Bhagwatrao Chorghade	Ms. Janhavi Raju Gajghate	Mr. Dhiraj Chhatrapal Chavan	Ms. Dhanshree Shyam Bante	Ms. Purvi Pawan Vaishnav	Ms. Anshika Kameshwar Mishra	Name of Student
A Comparative Study of Biogas upgradation Technologies	Beyond Emissions: Navigating Policy Landscape for Carbon Capture and Storage	Computing of Forest Ecological Facades at Keslaghat Buffer Zone-Chandrapur	Assessment of Rural Heritage Landscape as Sacred Biodiversity Grove	Impact on Residential Area due to Open Dumping of Solid Waste in Bhandewadi	Impact on Vegetative Crops due to Climate Change	Prediction of Air Quality Index using Spatial Interpolation Technique in Quantum GIS	Role of Legumes in improving Soil Fertility and increasing crop productivity	Comparative Analysis of Ambient Air Quality Parameters of Rural and Urban Area of Nagpur District	Analysis of Environmental Parameters of Lonare Lake of Nagpur City	Title of Project
Review	Review	Field Study	Field study	Review	Review	Computational	Review	Experimental	Experimental	Project Type
9	9	8	7	6	5	4	3	2	_	Sr. No.

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