

FACULTY OF SCIENCE & TECHNOLOGY

March – 2024 to December – 2024

Sr. No.	Subject	Name of Supervisor	Name of the Ph.D. Scholar	Date of Registration	Research Topic	Date of Awarded	Category
March – 2024							
1	Mathematics	Dr. D. D. Pawar	Mr. Wagdi Faisal Saeed Ahmed	14/01/2019	“A Study of Various Fractional Integral Transforms with Their Applications”	01.03.2024	F
2	Pharmacy	Dr. Lalit V. Sonawane Dr. Shailesh L. Patwekar	Ms. Magar Vidya Kishanrao	23/11/2017	“Design, Synthesis and Biological Screening of Novel Pyrimidine Derivatives”	05.03.2024	Open
3	Physics	Dr. Vishwanath D. Mote	Miss. Shweta Dnyaneshwar Lokhande	26/04/2019	“Studies on Cu and Ni Doped ZnO Nanocrystalline Thin Films by Spray Pyrolysis Technique”	06.03.2024	SC
4	Mathematics	Dr. K. L. Bondar Dr. S. P. Hatkar	Mr. Ambarkhane Nagnath Sakharam	09/12/2014	“Study of Some Finite Hyperbolic Transform”	15.03.2024	NT-1
5	Computer Science	Dr. G. N. Shinde Dr. H. S. Fadewar	Ms. Wagh Dnyaneshwari Pandurang	12/12/2017	“A Novel Scheme for Secure Key Generation through Finger vein Pattern”	21.03.2024	NT-3
6	Physics	Dr. D. K. Kendre	Mr. Awadhane Sanjay Umkantrao	09/12/2014	“Study of Biomolecule Fluorophore and Cancer Diagnosis by Spectroscopic Technique”	21.03.2024	Open
7	Biotechnology	Dr. A. P. Pathak	Mr. Ramdas Ganpatrao Bhong	22/11/2017	“Isolation and identification of carotenoid producing halophilic bacteria and archaea from Solar salterns of Mulund (M.S.)”	21.03.2024	Open
8	Chemistry	Dr. D. B. Muley	Mr. Shinde Achut Ramrao	28/12/2012	“Synthesis, Characterization, Biological Activity of Spiro and Heterocyclic Compounds”	28.03.2024	Open
9	Instrumentation Engineering	Dr. Rajan H. Chile	Mr. Bhaskarwar Tushar Vikas	14/09/2017	“Design and Development of Observer Based Control Strategies For Linear & Non-Linear Systems and its Remote Monitoring Through IoT”	30/03/2024	Open
April – 2024							
10	Physics	Dr. M. A. Barote	Mr. Landge Sunil Onkar	23/11/2017	“Synthesis, Characterization and Application of Cd _{1-x} Fe _x S Thin Films”	03/04/2024	Open
11	Biotechnology	Prof. G. B. Zore	Mr. Mazen Mohammed Mamoun Abdulghani	01.04.2020	“Genetic and Proteomic Analysis of <i>Candida albicans</i> Biofilm”	10/04/2024	F
12	Biotechnology	Prof. G. B. Zore	Mr. Jadhav Vyankatesh Abasaheb	04.10.2013	“Expression pattern of Lipase gene family (LIP 1-10) of <i>Candida albicans</i> under different physiological conditions inducing hyphae.”	10/04/2024	Open
13	Computer Science	Dr. H. S. Fadewar	Mr. Mohammed Hussein Abdulaziz Shabil	01/09/2020	“Fingerprint Recognition of Newborns and Toddlers”	15/04/2024	F
14	Pharmacy	Dr. S. N. Nagoba	Ms. Dhole Shital Madhukar	29.04.2019	“Pharmacognostic and Pharmacological Evaluation of Medicinal Plant Formulations for Anti-Thyroid Activity”	16/04/2024	SC
15	Chemistry	Dr. B. C. Khade	Mr. Ujgare Sudhakar Ramchandra	09/11/2011	“Synthesis, Physico-Chemical and Antimicrobial Studies in Metal Complexes of Some Schiff Bases”	23/04/2024	SC
May – 2024							
16	Chemistry	Dr. Nana Vikram Shitole	Mr. Kumdale Prashant Ganpatrao	13/05/2017	“Synthesis of Some Heterocyclic Compounds by Using Advanced Techniques”	03/05/2024	Open
17	Pharmacy	Dr. S. R. Butle	Mr. Nevle Shyamkant Sahdeorao	06.07.2015	“Design and Development of Pediatric Formulations of	10/05/2024	Open

					Second Line Antituberculosis Medications”		
18	Mechanical Engineering	Dr. B. M. Dabade	Mr. Khoman Kumar	22.07.2019	“Process Optimization for Fabrication and Wear Characterization of Aluminium based Metal Matrix Composites.”	17/05/2024	OBC
19	Mech./Prod. Engineering	Dr. Geeta S. Lathkar	Mr. K. Mallikarjuna Rao	28.04.2016	“Implementation of Total Productive Maintenance (TPM) For Improvement of Overall Equipment Effectiveness (OEE) In Manufacturing Industries”	20/05/2024	Open
20	Physics	Dr. U. D. Joshi	Mr. Duthade Gautam Sahadu	Dec-2002	“Studies on Synthesis Characterization, Properties and Applications of Zeolites As Molecular Sieves”	22/05/2024	SC
21	Pharmacy	Dr. Mahavir H. Ghante Dr. Rajeshwar V. Kshirsagar	Mr. Jamkhande Prasad Govindrao	13/05/2017	“Validation of Ethanomedicinal Claims of Medicinal Plant and Bioactive Phytochemical for Antiangiogenic and anticancer activity”	24/05/2024	Open
June – 2024							
22	Mathematics	Dr. U. P. Dolhare	Mr. Kalyan Vedprakash Anandrao	December - 2003	“Study of Existence, Uniqueness and Comparison Results Using Some Fixed Point Theorems”	07/06/2024	Open
23	Microbiology	Dr. Shiva C. Aithal	Ms. Kakde Pooja Radhakishan	11/05/2017	“Utilization of Agricultural Biomass for Production of Fungal Cellulases Employing Solid State Fermentation (SSF) Technique”	07/06/2024	Open
24	Elect. & Tele. Engineering	Dr. D. D. Doye	Mr. Paikrao Prashant Laxmanrao	01/08/2019	“Document Image Compression”	11/06/2024	SC
25	Mathematics	Dr. Sharadkumar V. Jagtap	Ms. Daimi Syeda Mariya Begum Syed Khaja Nazimuddin	19/12/2019	“Laminar Convection Flows of Fluid in Vertical Channel”	20/06/2024	Open
26	Instrumentation Engineering	Dr. Satish T. Hamde	Mr. Rajbhoj Pankaj Rajendra	14/09/2017	“Investigation of the Tracking and Quality of Power in the Solar PV System”	25/06/2024	
27	Electronic & Telecommunication Engineering	Dr. S. S. Gajre	Ms. Trupti Jugalkishor Taori	01/08/2019	“Quantifying Cognitive Workload and Assessing the Effect of Mindfulness Interventions using EEG and other Biosignals”	27/06/2024	Open
July – 2024							
28	Chemistry	Dr. Avinash L. Puyad	Mr. Shaikh Salman Abdul Latif	29/04/2019	“Synthesis of New Diketopyrrolopyrrole-(DPP)-derivatives and their applications in Optoelectronics”	13/07/2024	Open
29	Botany	Dr. D. P. Gadgile	Mr. Dudhate Balaji Keshavrao	22/11/2017	“Modern Post-Harvest Pathological Aspect of Spongy Tissues in Different Varieties of Mango”	16/07/2024	Open
30	Physics	Dr. K. A. Bogle	Mr. Nabeel Mohammed Saad Kaawash	03/11/2020	“Synthesis of 2D Metal Oxide Nanostructures: Optical and Optoelectronic Properties for Photodetector Device Application”	25/07/2024	F
31	Environmental Science	Dr. A. B. Bhosle	Ms. Masarrath Unnisa Sabri	24/02/2016	“Studies on Impact of Sugar Industry on Soil Quality Near Purna: An Ecological and Environmental Concern”	26/07/2024	Open
32	Botany	Dr. A. B. Gawate	Randive Shailaja Devidas	22/02/2016	“Biochemical and Nutritional Analysis of Pollens in and Around Baramati Region”	27/07/2024	Open
33	Chemistry	Dr. B. S. Dawane Dr. Sainath B. Zangade	Mr. Mogle Prashant Prakash	29/07/2016	“Molecular Design, synthesis and Development of Pharmaceutically Imperative Aza,Thia Analogues”	29/07/2024	SC
34	Computer Science	Dr. S. N. Lokhande	Mr. Mohammed Ali Mohammed Ali	30/08/2019	“Development of Deep Learning-Based Semantic Analysis Algorithms for Social Network in Big Data Environment”	29/07/2024	F
35	Physics	Dr. S. S. Suryawanshi Dr. R. V. Surryawanshi	Mr. Ingale Babasaheb Dnyanoba	24/01/2007	“Synthesis and Investigation of NiCuZn Ferrite with High Initial Permeability”	30/07/2024	Open

August – 2024							
36	Physics	Dr. A. C. Kumbharkhane	Mr. Dhage Haribhau Munjaji	12/05/2017	“Dielectric Relaxation and Thermodynamic Properties of Associating and Non-Associating liquids”	05/08/2024	SC
37	Instrumentation Engineering	Dr. L. M. Waghmare	Mr. Aole Sumit Suhas Smita	14/09/2017	“Development of Controllers for Rehabilitation Robotic Device”	06/08/2024	Open
38	Environmental Science	Dr. A. B. Bhosle	Mr. Kondawar Ganesh Madhukar	30/07/2016	“Impact of Some Trace Metals and Effects of Agricultural Waste on Limboti Water Reservoir”	12/08/2024	Open
39	Chemistry	Prof. Dr. Khushal Ganpati Karamunge	Mr. Lande Awadhut Achutrao	28/12/2012	“Synthesis, Characterization and Application of Some Transition Metal Complexes with Schiff’s Bases Derived from Substituted Salicylaldehyde”	16/08/2024	Open
40	Mathematics	Dr. K. L. Bondar Dr. S. M. Jogdand	Mrs. Borgaonkar Varsha Dattatraya	28/12/2012	“Some Result on Fixed Points with Applications”	23/08/2024	Open
41	Environmental Science	Dr. K. R. Solunke	Mr. Sujit Hanumantrao Pedewad	27.07.2017	“Planktonic Diversity Evaluation of Manar Water Reservoir in Relation to Nutrient Cycles Studies”	26/08/2024	ST
42	Physics	Dr. Y. S. Joshi	Mr. Rathod Dilip Govindrao	12.05.2017	“A Study of Dielectric Relaxation Process in Biological Complex Systems”	26/08/2024	VJ-1
43	Microbiology	Dr. P. S. Wakte	Ms. Kamble Geetanjali Asaram	22.02.2016	“Augmentation of Chickpea Productivity in saline soils through Mesorhizobium isolates”	26/08/2024	SC
44	Pharmacy	Dr. S. S. Patil	Mr. Garad Sunil Venkatrao	08.01.2018	“Isolation, Docking and Screening of Phytoconstituent from some Antidiabetic plants with Bovine serum albumin”	28/08/2024	Open
45	Pharmacy	Dr. N. B. Ghiware	Mr. Wankhade Pavankumar Pandurang	24.11.2014	“Isolation and Characterization of Bioactive Phytoconstituent from Indian Medicinal Plant Extract for its Antiasthmatic Activity”	31/08/2024	OBC
September – 2024							
46	Instrumentation Engineering	Dr. R. S. Holambe Dr. Udhav V. Bhosle	Mr. Kadam Chandrakant Madhukar	02/08/2019	“Monitoring of Regional Resources Using Remotely Sensed Images for Drought Assessment”	06/09/2024	SC
47	Chemistry	Dr. S. B. Junne	Mr. More Rameshwar Maroti	28/12/2012	“Design Synthesis and Biological Evaluation of Thia, Aza Heterocyclic Compounds”	14/09/2024	Open
48	Chemistry	Dr. Vijaykumar S. More	Mr. Kadam Prasad Dilip	13/07/2021	“Studies towards Synthesis of Nitrogen Containing Heterocyclic Compounds and their Bio-evaluation”	28/09/2024	Open
October – 2024							
49	Mathematics	Dr. Rupali S. Jain	Ms. Sahar Mohammed Ali Maqbol	07.08.2019	“Some Problems in Delay Integro differential Equations”	11/10/2024	F
50	Mathematics	Dr. Sidheshwar S. Bellale	Mr. Mule Audumbar Kumar	19/12/2019	“Some Studies in Non-Linear Differential Equations using Iteration Method with its Applications”	18/10/2024	SEBC
51	Pharmacy	Dr. N. B. Ghiware	Mr. Dharashive Vishweshwar Mahishankar	17/10/2012	“Antiatherosclerotic and Cardioprotective studies of Some Indian Medicinal Plants”	26/10/2024	Open
52	Mathematics	Dr. Rajkumar N. Ingle	Mr. Teppawar Rajesh Sayanna	27/04/2019	“Different Method’s for Solving Fractional Differential Equations and their Applications”	28/10/2024	ST
November – 2024							
53	Pharmacy	Dr. T. M. Kalyankar	Mr. Shinde Nagoji Madhavrao	23/12/2019	“Development of pH responsive polymer Engineered Modified Release Oral Drug Delivery”	30/11/2024	Open
December – 2024							

54	Instrumentation Engineering	Dr. L. M. Waghmare	Mr. Kumud Ranjan Roy	27/04/2019	"Intelligent Control Strategies for Unmanned Aerial Vehicle System"	10/12/2024	SC
55	Physics	Dr. A. C. Kumbharkhane	Dongre Daiwashala Gangadharrao	12.07.2021	"Structural and Dynamics Behavior of Nitriles through Dielectric Properties Using A Time Domain Reflectometry (TDR)"	12/12/2024	SC
56	Instrumentation Engineering	Dr. R. S. Holambe Dr. R. H. Chile	Mr. Kale Shashikant Rangnathrao	14/09/2017	"Satellite Image Analysis for Agricultural Applications"	13/12/2024	Open
57	Pharmacy	Dr. S. C. Dhawale	Mr. Deshmane Gorakh Vishwanath	23/11/2017	"Chemical Modification of Natural Polymer for Pharmaceutical Applications"	16/12/2024	OBC
58	Pharmacy	Dr. S. C. Dhawale	Mr. Dhonde Satish Madhukar	23/11/2017	"Study on Influence of Flavonoids: In Diabetes and Its Complications"	16/12/2024	Open
59	Statistics	Dr. Aniket A. Muley	Mr. Uphade Digambar Bhausahab	27/04/2019	"A Statistical Study of Machine Learning Techniques"	23/12/2024	OBC
60	Physics	Dr. A. C. Kumbharkhane	Mr. Sahnure Shankar Hanmantrao	12/07/2021	"High Frequencies Complex Permittivity and Thermodynamic Studies of Cellulose"	23/12/2024	Open
61	Pharmacy	Dr. W. N. Chaus	Mr. Raut Rajesh Laxman	27/07/2021	"Design and Development of Generic Formulation by Applying Reverse Engineering Approach"	24/12/2024	SC
62	Botany	Dr. N. J. M. Reddy Dr. Parshuram V. Pawar	Mr. Khan Rizwan Khan Younus Khan	22/02/2016	"A Floristic Study of Kandhar taluka of Nanded District, Maharashtra"	24/12/2024	Open
63	Physics	Dr. K. A. Bogle	Mr. Halge Devidas Irbaji	12/07/2021	"Synthesis of Nano-Structured Mixed Metal Chalcogenide Thin Films Using Spray Pyrolysis Technique for Development of Highly Sensitive and Ultra Fast Photo-Detector"	31/12/2024	OBC