

Collection of Rare Books and Special Reports

Sr. No	Description of books	Publisher	Author	No. of Copies	Year
1	An introduction to Electrochemistry by	Affiliated East West Press PVT. LTD. New Delhi	Samual Glastone	1	1947
2	Instrumental Methods of Analysis	Affiliated East West Press PVT. LTD. New Delhi	Willard , Dean and Merritt	1	1965
3	Essentials of Physical Chemistry	S. Chand & Company Ltd. New Delhi.	B. S. Bahl and G. D. Tuli	1	1978
4	Fundamentals of Molecular Spectroscopy	Tata McGraw-Hill Company Ltd. New Delhi.	C. N. Banwell	1	1983
5	Spectroscopy (Atomic and Molecular)	Himalaya Publishing House New Delhi.	Gurdeep Chatwal and Sham Anand	1	1985
6	Fifth Edition of Physical Chemistry	Oirent Logman Ltd. New Delhi.	Walter J. Moore	1	1993
7	Basic Concepts of Analytical Chemistry (2nd Edition)	New Age International (P) Ltd. New Delhi	S. M. Khopkar	1	1998
8	Biotechnology Project Reports	Students	Students	4	2011-12
9	Biotechnology Project Reports	Students	Students	7	2012-13
10	Biotechnology Project Reports	Students	Students	5	2013-14
11	Biotechnology Project Reports	Students	Students	2	2014-15
12	Biotechnology Project Reports	Students	Students	2	2015-16
13	Biotechnology Project Reports	Students	Students	4	2017-18
14	Organic Chemistry Project Reports	Students	Students	6	2012-13
15	Organic Chemistry Project Reports	Students	Students	6	2013-14
16	Organic Chemistry Project Reports	Students	Students	5	2014-15
17	Organic Chemistry Project Reports	Students	Students	6	2015-16
18	Organic Chemistry Project Reports	Students	Students	5	2017-18
19	Microbiology Project Reports	Students	Students	4	2013-14
20	Microbiology Project Reports	Students	Students	4	2014-15
21	Microbiology Project Reports	Students	Students	3	2015-16
22	Studies on Depolymerisation Kinetics and Thermodynamics of Polester Polyurethane waste	Dr. V.S. Zope	Dr. V.S. Zope	1	2004
23	Studies on development of biodegradable polymer nanocomposites	Dr. S.S. Bari	Dr. S.S. Bari	1	2017
24	A Study of Regression on Count Data	Dr.Y.V. Jadhav	Dr.Y.V. Jadhav	1	2019

Students Research Reports: Biotechnology

Year	Sr. No	Research Topics	Researcher Name	Guide Name	Subject
2011-12	1	Heavy metal bioremediation by biosurfactant producing organism	Kalpesh R. Suryavanshi, Harpal N. Girase, Dinesh V. Patil, Kiran V. Patil	Miss. Rupali V. Gunjal	Biotechnology
2011-12	2	Extraction, Milk-clotting activity measurement and purification of enzyme from laticiferous plant's	Sushil santosh chandankar, Megha Bhaskar Sutar, Bharat Dilip Patil, Manohar Sakharam Chaudhari	Dr. G. S. Chaudhari	Biotechnology
2011-12	3	Production of biofertilizer and check it's efficacy	Dhiraj Subhash Mahajan Bhaiyya Dnyaneshwar Patil Yogendra Nandkumar Aginhotri Rahul Chandrakant Mahajan Jaywant Bhalchandra Borase	Mr. Nilesh S. Gaikwad	Biotechnology
2011-12	4	Determination of anti-bacterial , Anti-mycotic and preliminary testing of Anti-fertility effect of Gloriosa superb L.	Sumersing Ishwarsing Patil Manoj Dhanraj Borse Jayashree Dilip Vankhed Trupti Kishore Chaudhari Yogita Rajendra Rajput	Mr. Khushal K. Hire	Biotechnology
2012-13	5	Isolation of Protease producing microorganism from different soil samples	Shaikh Riyaj Ajij Badgujar sagar Deelip Patil Ganesh Kashinath Sonar Mahendra Subhash Patil Harshal Subhash	Mr. Manoj D. Borse	Biotechnology
2012-13	6	Biochemical, Characterization of seven members of fabaceae family	Vidya J. Patil, Foram A. Jain, Paresh G. Patil, Madhuri P. Kothawade	Dr. Shamkant B. Badgujar	Biotechnology
2012-13	7	Study the effect of Gloriosasuperba Linn . Root extract on spermatogenesis in Malerat	Nikhikkumar Sanjay Solanki, Vishal Sahebrao Bari, Pavan Dilip Mahajan, Leena Dnyaneshwar Jangale	Mr. Kushal K. Hire	Biotechnology
2012-13	8	Production of Siderophore by different microbial species	Wadhe Chetan R. , Mahajan Pratap P., Mali Narendra S., Rajput Ajitsinh P., Patil Paresh S.	Mr. Kushal K. Hire	Biotechnology
2012-13	9	Exploitation of green technique for synthesis of silver nanoparticles	Yaminee Pramod Chirmade, Kalyani Raju Badgujar, Sonal Prakash Bhavsar, Sarita Harinath Mali	Mr. Javed V. Khan	Biotechnology
2012-13	10	Degration of Organic kitchen Waste by using microorganism and its used as a Biofertilizer	Chaudhari Schin Ramesh Prasad Nehete Kishor Mahajan Dipal Chaudhari	Mr. Kushal K. Hire	Biotechnology
2012-13	11	Micropropagation of helicteres isora L. A rare medicinally important plan	Niraj Bhangale Devend Teli Piyush Rane Jayant Bharambr Manoj Patil	Miss Shradha Bhavsar	Biotechnology
2013-14	12	Isolation of Antibiotic Producing Bacteria From Soil	Varsha Patil Kiran Narkhede Rohini Bharambe Shital Saraf	Mrs. Rina Khatri	Biotechnology

2013-14	13	Isolation & Characterization of Bactrial Exopolysaccharide	Vaibhav Nilkanth Bonde Nilesh Suresh Patil Prafulla Shriram Patil Gayatri Babu Mahajan	Mr. Javed Khan	Biotechnology
2013-14	14	Isolation & Screening of anticancer L-Aspargenase producing bacteria from soil sample	Roshani Sonaji Mahajan Chanchal Dilip Waghulde Swad Raihan Asri Shabnam Sayaeed Shaikh Priyanka Ramesh Dhake	Mrs. Reena Khatri	Biotechnology
2013-14	15	Isolation and Characterization of probiotic micoroganisma from fermented food sample	Pradnya Chaudhari Sneha Chaudhari Shilpa Mahajan Madhuri Patil Pranali Yeole	Mr. Sandip N. Patil	Biotechnology
2013-14	16	Production of biofertilizer and cheak its efficacy	Snehal Anilkumar Hattiwale Menlata Rajendra Chaudhari Mayuri Nilkantha Patil Minal Panduranga Patil Chetana Chandrashekhar Ingale	Mr. Manoj D. Borase	Biotechnology
2014-15	17	Bio-ehanol production from banana peel by simultaneous Saccharification and fermentation process using cocultures Aspergillus niger and SaIccharomyces cerevisiae	Harshal V. Chaudhari, Abhilash P. Patil, Hemangi A. Nemade, Priyanka D. Chaudhari	Miss Shweta N. Jain	Biotechnology
2014-15	18	Isolation and optimize production of xylanase from bacterial isolates	Pawar Trupti chudaman Bharamare Rupali Anil Patil Amol Arun	Miss. Khadke Dikshita Sunil	Biotechnology
2015-16	19	Studies on proteases of euphorblan plant origin with special reference to Euphorbia leucocephala	Shahrukh Salim Khan Shweta H. Bhole Ashwini K. Patil	Mr. Javed V. Khan	Biotechnology
2015-16	20	Studies on Fruit Proteasesnwith special reference to Cucumis Sativus	Rushikesh Ramdas Chaudhari Sonali Tayade Gunjan K. Lomate	Mr. Javed V. Khan	Biotechnology
2017-18	21	Phytotoxicity Evaluation of some Aphrodisiac plants	Gavit Suleman Balu Vaseem Khan Jamsher Khan, Momin Mukhtar Shaikh Muqeem	Mr. Javed V. Khan	Biotechnology
2017-18	22	Germinating seeds of the mung bean (Vigna Radiata) As a Model for the preliminary evaluation of stimulating effect of some adaptogenic plants	Snehal D. Lathi, Asha P. Patil, Tejas M. Chaudhari, Jyoti V. Gavit	Mr. Javed V. Khan	Biotechnology
2017-18	23	Response of Aqueous extract of various plants on stress induced by heavy metal germinated seed of vigna aconitifolia	Priyanka Pandit Jagtap, Jayashree Fakira Bhamre, Rajeshree Ram Mahajan, Sujit Ratnakar Panat	Miss Sonali Tayade	Biotechnology
2017-18	24	Studies on Proteates of plant origin and cheese production	Sweety Tad, Mohasina Patel, Hiteshri Sali, Afrin Deshpande, Prafull Patil	Mrs. Monika Pansari	Biotechnology

Students Research Reports: Chemistry

Year	Sr. No	Research Topics	Researcher Name	Guide Name	Subject
2012-13	1	Benzoylation of phenols, alcohol and amines using benzoyl chloride	Vallabh T. Chaudhari Rahul P. Javhare Ganesh S. Mahajan Gaurav V. Patil	Dr. Manoj A. Pande	Chemistry
2012-13	2	One-pot multicomponent iodine catalyzed synthesis of 4H-pyrano [2,3-c] pyrazoles in water	Ramkrishna D. Koli Kiran V. Mahajan Niraj S. Wani Shailesh A. Mahajan	Mr. R. M. Patil	Chemistry
2012-13	3	A Simple and Efficient Method for Quantitative Solvent-free Synthesis of Hydrazones from Aldehydes	Yogesh G. Shimpi Mahesh V. Sonawane Sandeep V. Sonawane Prasad N. Shukla	Mr. S. A. Fuse	Chemistry
2012-13	4	Synthesis of Novel Chalcones as Probes for Anti microbial Activities	Parag D. Kulkarni Jitesh J. Bhoi Arvind S. Chavhan Padamsingh N. Girase	Mr. S. A. Fuse	Chemistry
2012-13	5	Toxicity and Repellent activity of isolated Bioactive Plant Psoralea Corylifolia	Archana J. Chavan Salma Bee Qureshi Sapana M. Pawar Swapnil S. Patil	Mr. R. L. Patil	Chemistry
2012-13	6	One-pot multicomponent Green Synthesis of Dihydropyrimidinone by Grindstone Technique Using $\text{CuCl}_2 \cdot 2\text{H}_2\text{O} \cdot \text{HCL}$ as a Catalyst	Pankaj P. Jadhav Lina U. Jadhav Shalini M. Chaudhari Sagar A. Patil	Mr. R. M. Patil	Chemistry
2013-14	7	Synthesis of Chalcone Derivatives and their Antimicrobial Activity	Patil Gokul Shantilal Patil Dhiraj Nandkishor Patel Yogesh Jivan Nikum Abhijit Madhukar	Miss Sadiya A. Shaikh	Chemistry
2013-14	8	Green method for the synthesis of Dihydropyrimidinone by three component coupling without solvent and catalyst	Vaman K. Pawar Sagar D. Patil Vilas T. Patil Sanjay B. Rajput	Dr. Manoj A. Pande	Chemistry
2013-14	9	One-pot multicomponent Synthesis Characterisation of Dihydropyrimidinone	Siddharth D. Mahajan Kishor S. Lanke Swapnil D. Lokhande Naveed G. Shaikh	Mr. R. M. Patil	Chemistry
2013-14	10	Isolation & Screening of Streptomyces species for the production and purification of Glucose Isomerase	Chaudhari Jagdish K. Phalak Youraj D. Mohmmad Najish A.	Miss. Lawande Kirti Dilip	Chemistry
2013-14	11	An Efficient synthesis of Arylmethylidene derivatives by Knoevenagel condensation under grind stone method	Samadhan Ashok Khairnar Manoj Madhukar Kapure Bhagwansing Sundamsingh Girase Nikhil Sudhakar Kalal	Dr. Manoj A. Pande	Chemistry

2013-14	12	One-pot multicomponent Synthesis Characterisation of Pyranopyrazoles	Dinesh N. Rane Nayana B. Rote Chandrashekhar S. Shimpi Amol D. Thakor	Mr. R. M. Patil	Chemistry
2014-15	13	Synthesis of 4-H Pyrano [2,3-C] Pyrazoles and its synthetic application	Yogesh D. Bharambe Dinesh D. Patil Swapnil R. Dhondge Ichharam P. Patil Dinesh P. Kacchave	Prof. R. M. Patil	Chemistry
2014-15	14	Synthesis of Bis(indolyl) methanes by Grindstone Technique Using SnCl ₂ .2h ₂ O. as a catalyst	Smita D. More Swati V. Birari Pallavi S. Patil	Miss Lina U. Jadhav	Chemistry
2014-15	15	A Green Synthesis of Dihydropyrimidione by Grindstone Technique	Khairnar Sachin Dyaneshwar Patil Vijay Kailas Patil Laxman Vilas Patil Sachin Hiralal Nandre Dipashri Chandrakant	Miss. Nishat Shaikh	Chemistry
2014-15	15	Synthesis of Various Chalcone Compound by Grinding Methods	Sonawane Yogesh Bharat Khairnar Prafulla Ravindra Patil Gopal Suresh Shaikh Mohseen Anis	Prof. R. M. Patil	Chemistry
2014-15	16	Synthesis of Bis(indolyl) methanes and their Derivatives : Natural Approach	Petkar Sachin Dineshrao Barhate Gitesh Mukoond More Manoj Mohan Priyanka Madhavrao Khunte Ashwini Laxman Sharavate	Miss Sadiya A. Shaikh	Chemistry
2015-16	17	Pyrrolidine Catalysed Aldol Reaction Using Green Solvent	Damini Y. Patil Survana S. Patil Sapana S. Patil Dakshata L. Patil Sahas Pardeshi	Miss Lina U. Jadhav	Chemistry
2015-16	18	A Green Synthesis of Dihydropyrimidione by Technique	Mr. Nikhil C. Badgujar Bhushan M. Joshi Malik M. Khan Shubham R. Baviskar Pritam J. Pardeshi	Miss Shalini M. Chaudhari	Chemistry
2015-16	19	One-pot Solvent-free of Benzimidazole Derivativemulticomponent Synthesis Characterisation of Pyranopyrazoles	Jayraj J. Dhole Mukesh D. Patil Yogita M. Patil Priyanka V. Mali Rahul P. Patil	Miss Sadiya A. Shaikh	Chemistry

2015-16	20	Synthesis of Chalcone by Grinding Method	Dipak M. Shinkar Parikshit G. Saner Samadhan D. Dhangar Nitin D. Patil Amol B. Patil	Miss Lina U. Jadhav	Chemistry
2015-16	21	One-pot synthesis of 3-Methyl-4-Arylmethylene-isoxazol-5(4H)-ones in Aqueous Media	Viqar R. Shaikh Rohit P. Pawar Zubair A. Khan Zafar A. Shaikh Dawood Y. Memon	Mr. R. M. Patil	Chemistry
2015-16	22	One-pot multicomponent Synthesis of Pyranopyrazoles	Bhushan R. Patil Jayesh S. Patil Kailas G. Joshi Sameer Vasave Yogesh D. Mahajan	Mr. R. M. Patil	Chemistry
2017-18	23	Synthesis of Novel Pyranopyrazoles by Using Dialdehyde	Rupali A. Chaudhari Bhushan D. Deshmukh Urvashi B. Patil Harshal V. Patil Rahul R. Vasave	Prof. R. M. Patil	Chemistry
2017-18	24	Synthesis of Benzimidazole derivatives in polyphosphoric acid	Gaurav P. Barahate Akash P. Mahajan Bhagyashri J. Rahul Abuzar M. Khan Ravindra A. Mahajan Triveni S. Sonawane	Dr. Asha Dagadu Jangale	Chemistry
2017-18	25	Synthesis of Novel Derivatives of Pyranopyrazoles by Using succinyl Dichloride	Marathe Umesh S. Patel Jahangir L Patil Akshay A. Girase Rahul V. Sonawane Akshay K.	Prof. R. M. Patil	Chemistry
2017-18	26	Synthesis of different pyrimidine thiones using sulphuric acid as a catalyst	Harshal S. Sonawane Nayana T. Patil Upendra I. Girase Kirti G. Nakve Sagar G. Pawar Kuwarsing B. Valvi	Mr. Malik M. Khan	Chemistry
2017-18	27	A Green, Catalyst-free, One Pot Synthesis of Pyrazole Scaffold	Rahul S. Chaudhari Rupali R. Deshmukh Ujwala V. Marathe Kiran S. Chopade Kartar R. Rathod	Dr. Asha Dagadu Jangale	Chemistry

Students Research Reports: Microbiology

Year	Sr. No	Research Topics	Researcher Name	Guide Name	Subject
2013-14	1	Formulation of Bioinoculum for Soyabean Plant (Glycine max)	Rajeshri Pramod Patil Rajashri Shantaram Mahajan Leena Suresh Wani Chaarushila Kantilal Mahajan	Jadhav Anjali M.	Microbiology
2013-14	2	Evaluation and Characterization of Exopolysaccharide producing probiotic organisms	Gopal Patil Yogesh Pawar Ashwini Jagtap Archana Sonawane	Prof. Sandip N. Patil	Microbiology
2013-14	3	Co-relation of number of Isolates along with soil Properties	Amol Chaudhari Pathan Abid Khan Y.	Jadhav Anjali M.	Microbiology
2013-14	4	Isolation and Optimize Production of Tannase from local Fungal Isolate	Khadke Dixita Sunil Patil Jayashri Pratap Deshmukh Reshma	Miss Lawande Kirti Dilip	Microbiology
2014-15	5	Cellulase Production from Aspergillus niger Using different Agricultural wastes	Yogesh V. Bhonge Pravin R. Vishwakarma Kishor L. Naik	Mrs Sejal Patil	Microbiology
2014-15	6	Effect of Plant Growth Hormones from Biological Source on Spinach (Spinacia Oleracea)	Chetana Vikas Chaudhari Khushabu Pravin Bhole Akash Arjun Kolhe	Dr. Jadhav Anjali M.	Microbiology
2014-15	7	Chromium Bioreduction by Indigeneously Isolated Soil Micro-Organisms	Jogi Jayeshkumar S. Pawar Ruchika B. Rajput Shweta A. Gite Madhuri M.	Prof. Sandip N. Patil	Microbiology
2014-15	8	Textile Dye Decolourization by indigenously isolated microbes from dye contaminated site	Rameshwar R. Chaudhari Devyanee J. Jawale Vishwajeet D. Patil Rahul G. Kulkarni	Prof. Sandip N. Patil	Microbiology
2015-16	9	Screening, Isolation and Characterization of L-Asparaginase Producing Microbes from soil	Barahate Bhushan N. Kale Aboli S. Rane Karishma V. Valvi Shirish V.	Prof. Sandip N. Patil	Microbiology
2015-16	10	Studies on Effect of Biostimulant on Leafy Vegetables	Poonam Mahendra Kshirsagar Pooja Bhaskarro Deore Vrushali Rajaram Sonawane Suraj Himmat Mahajan	Dr. Jadhav Anjali M.	Microbiology
2015-16	11	Effect of IAA-a Plant Growth Hormones From Biological Source on Plant	Bhavana Nanabhau Karankal Dhanshri Yuvraj Patil Jayesh Shamrao Patil PRIyanka Sharad Sonawane	Dr. Jadhav Anjali M.	Microbiology