

**M. S. P. Mandal's  
Shivchhatrapati College, Aurangabad  
Internal Quality Assurance Cell**



3.5.1: Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

**Summary of the functional  
MoUs/linkage/collaboration indicating start  
date, end date, nature of collaboration etc.**

  
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Sr. No.	Name of the functional MoU / linkage / collaborations	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Start date	End date	Nature of collaboration	Duration of MoU / linkage.	List the actual activities under each MOU/Linkage and web -links year-wise
1.	MoU	Qualitat Analytical, L-401, 3 <sup>rd</sup> floor, Mega center, near Nobel Hospital, Hadapsar, Pune (MS) India. Contact details:8411878674 Email.ID: <a href="mailto:ajitsali244@gmail.com">ajitsali244@gmail.com</a>	29-Mar-2023	29-Mar-2028	Job training program for PG students.	Five years.	<ul style="list-style-type: none"> <li>Job training program for PG students on 28.03.2023 with participation of 15 students</li> </ul>
2.	MoU	Indo German Tool Room, Aurangabad. Contact details: 9423150642. Email. ID: <a href="mailto:training@igtr-aur.org">training@igtr-aur.org</a>	15-09-2022	15-09-2023	Job training program	One year	<ul style="list-style-type: none"> <li>Student training program through seminar "fundamentals of low-cost automation "on 15<sup>th</sup> Feb. 2023.</li> <li>Industrial visit at the Indo German Tool Room, Aurangabad with participation of 47 students.</li> </ul>
3.	MoU	Orange Itech, Pune, (MS), India. Contact details:9623922545 Email ID: <a href="mailto:admin@orangeitech.in">admin@orangeitech.in</a>	5-Feb-2022	5-Feb-2027	Job Training Program & student exchange and industrial visit.	Five years.	<ul style="list-style-type: none"> <li>Student training program with participation of 75 students</li> <li>On site industrial visit cum training program with participation of 45 students</li> </ul>



  
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4.	MoU	Department of Microbiology, Pandit Jawaharlal Nehru college, Shivaji Nagar, Aurangabad (MS), India. Contact details:8767624144 Email.ID: <a href="mailto:siddhubhosale7@gmail.com">siddhubhosale7@gmail.com</a>	17 <sup>th</sup> November 2021	17 <sup>th</sup> November 2024	Job Training Program	Three Years.	<ul style="list-style-type: none"> <li>• Training Program on the topic “Microbial ecology and taxonomy” on 22.08.2023 with participation of 20 students</li> <li>• Student training program through certificate course “fundamentals and modern techniques in food microbiology” on 01.12.2021 with participation of 69 students.</li> </ul>
5.	MoU	Originative Vision, Electronics, PVT.LTD, Aurangabad (MS), India. Contact details:9172935575 Email.ID: <a href="mailto:originativevision@gmail.com">originativevision@gmail.com</a>	20-Oct-2021	20-Oct-2024	Job training and employability enhancement purpose	Three years.	<ul style="list-style-type: none"> <li>• Student training through certificate course on “Basic level robotics” of 32 hr. from 18.04.2022 to 15.05.2022 onwards with participation of 43 students.</li> <li>• Electronics project development program for B. Sc. T. Y. Students with participation of 15 students.</li> <li>• Career counseling program “Introducing embedded product development and internet of things on 13.01.2023 with participation of 24 students</li> </ul>
6.	MoU	Kuber Solution & Consultant Contact details: 7947123291 <a href="mailto:kubersolutions@gmail.com">kubersolutions@gmail.com</a>	04 <sup>th</sup> Oct. 2021	04 <sup>th</sup> Oct. 2022	Job training program.	One Year	<ul style="list-style-type: none"> <li>• 12 Days NISM mutual fund distribution training program with participation of 167 students</li> </ul>
7.	MoU	Shodh Advan Tech LLP, Aurangabad. Contact details:07447245691 <a href="mailto:shodhlearning12@gmail.com">shodhlearning12@gmail.com</a>	25 <sup>th</sup> June 2021	25 <sup>th</sup> June 2023	Job training program and student exchange	Two Years.	<ul style="list-style-type: none"> <li>• Two Days Hands on Workshop on “Industrial chromatography techniques HPLC, and GC, its applications and data interpretation on 11.10.2022 and 12.10.2022.</li> <li>• Online seminar on “career opportunities in pharmaceutical industry”</li> <li>• Visit to specialized analytical laboratory “Shodh” on 17.03.2022</li> </ul>



  
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							with participation of 51 students
8.	MoU	Ajay Infotech, Aurangabad (MS) India. Contact details:9420485272 details: <a href="mailto:ajayinfotech@gmail.com">ajayinfotech@gmail.com</a>	05-Mar-2019	05-Mar-2022	Job training program	Three years.	<ul style="list-style-type: none"> <li>Job training program through value added course in computerized accounting Tally prime</li> </ul>
9.	MoU	Skill Hub Solutions, Kranti Chauk, Aurangabad (MS), India. Contact details:9284123374 <a href="mailto:info@skillhubsolutions.com">info@skillhubsolutions.com</a>	21-Dec-2018	21-Dec-2021	Job training through Certificate Course in Net-Programming & C-Programing	Three years.	<ul style="list-style-type: none"> <li>Job training program through certificate course in Net-Programming &amp; C-Programing</li> </ul>
10.	MoU	Alka Computers, Aurangabad, (MS), India. Contact details: <a href="mailto:ajaypande123@gmail.com">ajaypande123@gmail.com</a>	29-Aug-2018	29-Aug-2021	Job training program	Three years.	<ul style="list-style-type: none"> <li>Job training program through certificate course in Tally of 32 hr.</li> </ul>
11.	Collaboration	University Department of Basic and Applied Science, MGM University, Aurangabad. Contact details:9404001032 Email.ID: <a href="mailto:ganesh.pawarscca2012@gmail.com">ganesh.pawarscca2012@gmail.com</a>	17-05-2023	17-05-2024	Collaborative Research	One Year.	<ul style="list-style-type: none"> <li>Published one research article: Microwave Assisted Solvent Free, One Pot synthesis of novel bioactive imidazolyl-pyrozole Derivatives catalyzed by mesolite type natural Zeolite. Sandeep Dhotre, Ganesh T. Pawar, Rajendra P. Pawar and Sayyujita Vaidya Research Square DOI: <a href="http://doi.org/10.21203/rs.3.rs-2870157/v1">http://doi.org/10.21203/rs.3.rs-2870157/v1</a></li> <li>Evaluation of project reports</li> </ul>



  
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12.	Collaboration	One Step Molecular Diagnostics. Contact details:8888732355 Email.ID: <a href="mailto:onestepdignostic@gmail.com">onestepdignostic@gmail.com</a>	02 February 2023	02 February 2026	Collaborative Research	Three Years	<ul style="list-style-type: none"> <li>Published on research article "Study of Eimeriaahsata (HONESS, 1942), in Goat and Sheep from Osmanabad. Dist: Maharashtra. Sontakke T. A., Biradar A. U., Mr. R. B. Nagtile. In conference proceeding "Research methodology in science and technology and management science" 2023, pp. 302-311</li> </ul>
13.	Collaboration	Department of Microbiology, Maulana Azad College of Arts Science & Commerce, Aurangabad. Contact details 9850108392 Email.ID: <a href="mailto:madhurisahastrabudhe@gmail.com">madhurisahastrabudhe@gmail.com</a>	09 <sup>th</sup> Jan. 2023	09 <sup>th</sup> Jan. 2024	Collaborative Research	One Year	Published one Research paper Isolation of lactic acid producing bacteria and production of lactic acid using different substrates. Savita Kate, Madhuri Sahastrabudhe, Akash B. Bhalekar, Mr. Rahul J. Shinde, Mr. Aditya S. Gaikhe, Vivek K. Dwivedi. Conference proceeding of national e-conference on evolving era of life science.
14.	Collaboration	Indrashil University, Gujrat, India. Contact details:7981951658	16-Jan-2023	16-Jan-2024	Collaborative Research	One Year	Published Two Research Papers: <ul style="list-style-type: none"> <li>Vanillin containing 9H fluorene sulfone scaffolds: Synthesis, biological evaluation and molecular docking study" Hanuman Narwade, Manoj Gaikhe, Rajesh S. Bhosale, Gyanchandar Eppa, Nisarg Gohil, Gargi Bhattacharjee, Vijay Singh, Rajendra P. Pawar, Dhanaji P. Rajani, Jhillusing Yadav <i>Results in chemistry</i>, 2022, 04, 100269.</li> <li>Synthesis of nathalimide derivatives bearing benzothiazole and thiazolemoiteis in vitro anticancer and insilico ADMET study Pramod</li> </ul>



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							D. Jawale Patil, Kirti Bhamidipati, Manoj, Damale, Jaiprakash N. Sanghshetti Nagprasad Puvvada, Rajesh S. Bhosale, Rajita D, Ingle, r. P. Pawar, Siddhanath v. Bhosale, Sheshnath V. Bhosale Journal of Molecular Structure 2022, 1263, 133173.
15.	Linkage	Tata consultancy Services, Pune Contact details: 91-22-67789595 <a href="mailto:globalmarketing@tcs.com">globalmarketing@tcs.com</a>	18 <sup>th</sup> Aug. 2023	18 <sup>th</sup> Aug. 2024	Job Training	One Year	<ul style="list-style-type: none"> <li>Conducted "Youth employment program"</li> </ul>
16.	Linkage	ICT Academy, Chennai Contact details: 9840530741 <a href="mailto:bcc@ictact.co.in">bcc@ictact.co.in</a>	19 <sup>th</sup> Jan. 2023	19 <sup>th</sup> Jan. 2024	Job training	One Year	Conducted job training program on personality development
17.	Linkage	D.S.M. Arts, Commerce & Science College, Parbhani. Contact details:9423443275	08/02/ 2023	08/02/ 2026	Student guidance	Three Years	Student training program during induction on 08 <sup>th</sup> Feb. 2023 with participation of 66 students.
18.	Collaboration	Internal Quality Assurance Cell, Vivekanand Arts, Sardar Dalipsingh Commerce & Science College, Aurangabd	16/01/2023	16/01/2025	Academic Purpose	Two Years	Workshop on Revised Curriculum of B.Sc. FY Chemistry 2022-23.
19.	Collaboration	Human Resource Development Centre, Gujrat University, Ahmadabad.	03/02/2023	03/02/2024	Academic Purpose	One Year	Faculty Development Program on "E-content Development" during 10.03.2023 to 16.03.2023
20.	Collaboration	Regional Centre for Biotechnology, Faridabad, Haryana (NCR Delhi), India Contact details:8826736963	21-Oct-2023	21-Oct-2026	Collaborative Research	Three Years	Published One Research Paper: Revisiting application of molecular iodine in organic synthesis P. M. Jadhav, Ambadas B. Rode, Laszlo Kotai, Rajendra P. Pawar, Sunil U. Tekale, RSCs New Journal of chemistry 2021, 45, 16389.



  
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21.	Collaboration	Maharashtra Hindi Prachar Sabha, Aurangabad. Contact details :9423405581	27 <sup>th</sup> Jan 2023	27 <sup>th</sup> Jan 2024	Collaborative research	One Year	Organized national level e-conference “Bhakti Kaal ka Punaravlokan” on 27 <sup>th</sup> Feb. 2023 (64 participants)
22.	Collaboration	Department of home Science Dr. Sow I.B.P. Mahila Kala Mahavidyalalya, Aurangabad. Contact details:9823078838 Email.ID: <a href="mailto:anvitagrwal@gmail.com">anvitagrwal@gmail.com</a>	01/03/2023	01/03/2026	Collaborative research	Three Years	<ul style="list-style-type: none"> <li>Published one research article “Gruhvidhyan aani mahila sakshamikaran: Gruhavidhyna and uddojakta” Varsha Prabhakar Paikrao and Manisha Rautmare in the conference proceeding with ISBN 978-93-9286-61-9, pp. 208 to 210.</li> <li>Organized One Day National Level Conference “Women empowerment” on 09<sup>th</sup> March 2023 in collaboration with Department of Home science, Dr. Sow I.B.P. Mahila Kala Mahavidyalalya, Aurangabad (197 participants).</li> </ul>
23.	Collaboration	Sanjivani Arts, Commerce and Science College, Kopargaon, Dist. Ahmednagar. Contact details:9309571541 Email.ID: <a href="mailto:balajiuchitkar@gmail.com">balajiuchitkar@gmail.com</a>	17-Aug-2022	17-Aug-2025	Collaborative Research and student training	Three Years	<ul style="list-style-type: none"> <li>Published one research paper “Vitex Nigundo: A review on Medicinla properties of the plants. Megha Tupe, B. P. Uchitkar, S. D. Rajmane, Research, methodology in science and technology and management science 2023, pp. 20-22.</li> <li>Conducted student training program through career counseling program “Career opportunities in corporates and NGOs” for students on 05<sup>th</sup> Feb. 2023 with participation of 40 students.</li> </ul>



  
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24.	Collaboration	Department of Microbiology, Kohinoor Arts, Commerce & Science College, Aurangabad. Contact details:9822459423 Email.ID: <a href="mailto:siddhubhosle7@gmail.com">siddhubhosle7@gmail.com</a>	08 <sup>th</sup> Sept. 2022	08 <sup>th</sup> Sept. 2025	Collaborative Research	Three Years	Published one Research Paper "Production of biodegradable plastic (PHB) by using bacteria – Mrudula S. Kulkarni, Renu Deshpande, Ashutosh Dhumale, Komal Gadekar, Vishakha Ghodkle, Tara N. Dighe, Vaishali H. Ajane in conference proceeding "Research methodology in science and technology and management science" 2023, pp. 277-284.
25.	Academic Linkage	Department of political science, Pandit Jawaharlal Nehru College, Aurangabad. Contact details:8308917573 Email.ID: <a href="mailto:panditnalawade@gmail.com">panditnalawade@gmail.com</a>	04 <sup>th</sup> July 2022	04 <sup>th</sup> July 2025	Student training	Three Years	Student training on "save the constitution" on 11.11.2022. Student Participation: 19.
26.	Collaboration	Shri. Padit guru Pardikar college, Sirsala Contact details:9403329871	21 <sup>st</sup> May 2022	21 <sup>st</sup> May 2025	Collaborative Research	Three Years	Published one Research Paper "Warkari sampradayachi Waari: Sanskrutik Parampara" – Shahu Chavan, Gahininath Walekar, Chandrashekhar Kanase - "Research methodology in science and technology and management science" 2023, pp. 13-15.
27.	Collaboration	Department of Pali, Nagsen Arts College, Aurangabad. Contact details:9323406376 Email.ID: <a href="mailto:ashoktayde@gmail.com">ashoktayde@gmail.com</a>	28 <sup>th</sup> Jan. 2022	28 <sup>th</sup> Jan. 2025	Training Program	Three Years	Conducted one day student training Program in Pali on "Thergatha" on 15 <sup>th</sup> Feb. 2022 with participation of 22 students.
28.	Collaboration	Department of Marathi, Shri.Asaramji Bhandwadar Arts, Commerce & Science College, Deogaon, Tq. Kannad, Dist. Aurangabad. Contact details:9923542985 Email.ID: <a href="mailto:drsantoshjadhav25@gmail.com">drsantoshjadhav25@gmail.com</a>	16 Oct. 2022	16 Oct. 2025	Collaborative Research	Three Years	Published One Research Paper "Sant Sahityatil Nisargchitran" Dr. SantoshJadhav, Dr. Vajjanath Kadam in conference proceeding "Sant Sahityachi Samajik Bandhilkki" 2023, pp. 41-47.



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29.	Collaboration	Department of Music, Vivekanand Arts, SardarDalipsingh Commerce and Science College,(MS),India. Contact details:7972365611 Email.ID: sonibhandari11@gmail.com	10 <sup>th</sup> Jan-2022	10 <sup>th</sup> Jan-2025	Job training program	Three years	<ul style="list-style-type: none"> <li>Job training program through career guidance on "Importance of musical instruments" on 16.01.2022 with participation of 18 students.</li> </ul>
30.	Collaboration	Department of Psychology, Dr. Babasaheb Ambedkar University, Aurangabad. Contact details:9923800937 <a href="mailto:aparna.sisode@yahoo.co.in">aparna.sisode@yahoo.co.in</a>	29 <sup>th</sup> August 2022	29 <sup>th</sup> August 2025	Collaborative research	Three Years	<ul style="list-style-type: none"> <li>One Research article published: Effects on Yogic practices on brain waves Dr. Aprna Ashtaputre, Dr. Ambhore A. M., Dr. Solanke V. V., Dr. Shaikh Mukhtar, Dr. Bochare Bhagwan, Smita Shete, Journal of Maharaja Sayajirao University of Baroda vol. 2022, 56, no. 10, pp. 146-151.</li> <li>Organized One Day workshop on research methodology on 16<sup>th</sup> January 2023 with participation of 50 participants</li> </ul>
31.	Collaboration	Department of Zoology, Muktanand College, Gangapur, Aurangabad (MS) India. Contact details :9420264174 <a href="mailto:archanamantale@gmail.com">archanamantale@gmail.com</a>	26-02-2022	26-02-2023	Collaborative Research	One year	<ul style="list-style-type: none"> <li>Published One Research paper – Taxonomic study of insects in our college campus" – Dr. Gunjal A. V., Mantale A. B. – Proceedings of the national conference on current challenges and future scope in life science 2023, pp. 77- 79</li> </ul>
32.	Collaboration	Department of History, Vasantnao Naik College, Aurangabad. Contact details :9673748106	12/09/2022	12/09/2025	Student training program	Three Years	Student training through Career Guidance Program on 01.10.2022 with participation of 14 students.



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33.	Collaboration	Department of Chemistry, Goa University, Goa Contact details: 9764068163	16 <sup>th</sup> May 2022	16 <sup>th</sup> May 2023	Collaborative Research	One Year	Published One Research paper – A review on biological and medicinal significance of thiazoles – Popat M. Jadhav, Srinivav Kantevari, Atam B. Tekale, Sheshnath V. Bhosale, Rajendra P. Pawar, Sunil U. Tekale Phosphorous, sulfur and silicon and the related elements 2021, DOI.org/10.1080/10426507.2021.1945601
34.	Collaboration	Department of Zoology, Government arts & Science College, Aurangabad. Contact details 9423743950 Email.ID: <a href="mailto:sangitadongre@gmail.com">sangitadongre@gmail.com</a>	18 <sup>th</sup> Sept. 2022	18 <sup>th</sup> Sept. 2023	Collaborative Research	One Year	<ul style="list-style-type: none"> <li>Published Two Research Papers: Review on ecological aspects of scarabaeid beetles” Muley E. D. and Aute M. A. conference proceeding of national conference on current challenges and future scope in life science 2023, 97-100.</li> <li>Review on distribution and abundance of white grubs – Aute M. A., S. A. Saraf, S. B. Dongare, Muley E. D. Eur. Chem. Bull. 2023, 12(8), 5162-5167.</li> </ul>
35.	Collaboration	Government Institute of Forensic Science, Aurangabad Contact details:9850656851 Email.ID: <a href="mailto:ravikumarborade@gmail.com">ravikumarborade@gmail.com</a>	30 January 2022	30 January 2027	Collaborative Research	Five years.	<ul style="list-style-type: none"> <li>Published two research articles: <ol style="list-style-type: none"> <li>Effect of pesticides on human health and environment. Arpita G. Bhat, Devidas S. Bhagat, Manasi Chavan, Satish U. Deshmukh, Rajendra P. Pawar, Vilas A. Chavan. Proceedings of the national symposium on “Innovative inclinations and sustainable technologies in chemical sciecnes-2023, pp. 15-25.</li> <li>Medico legal issues and challenges in clinical. forensic practices during covid-19</li> </ol> </li> </ul>



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							<p>pandemic. Ekta b. Jadhav, Devidas S. Bhagat Radhika Mankar, Satish U. Deshmukh, Rajendra P. Pawar. Proceedings of the national symposium on "Innovative inclinations and sustainable technologies in chemical sciences-2023, pp.26-33.</p> <p>3. Organized two days national level workshop on "characterization techniques in chemical sciences" on 27<sup>th</sup> and 28<sup>th</sup> Feb. 2023 (79 participants)</p>
36.	Collaboration	Department of chemistry, Lal Bahadur Shastri Mahavidyalaya, Dharmabad, Dist: Nanded. Contact details:7588524845	6 <sup>th</sup> May 2022	6 <sup>th</sup> May 2025	Collaborative Research	Three Years	<p>Published Three Research Papers:</p> <ul style="list-style-type: none"> <li>• Sulfated tin oxide: A convenient heterogeneous catalysts for the synthesis of 4-aryl methylidene-3-substituted isoxazole-5-(4H)-ones Nitishkumar N. Kaminwar, Sunil U. Tekale, Srinivas S. Nakkalwar, Rajendra P. Pawar vol. 18, issue 12, 2021, pp. 945-949.</li> <li>• Synthesis of coumarins, chromones and chromenochromenes: A review Nitishkumar S. Kaminwar, Sriwas S. Nakkalwar, Shivaji Patwari, Hanumant M. Kasaraliker, Rajendra Pawar Proceeding of national symposium "Innovative inclinations and sustainable technologies in chemical sciences" 2023, pp. 142.</li> <li>• An efficient and rapid synthesis of 1,4-dihydropyrano-(2,3-c)-pyran and 1,4-dihydropyrano-(2,3, c) quinoline derivatives using copper nanoparticles grafted on carbon</li> </ul>



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							microsphere. Nitishkumar S. Kaminwar, Sunil U. Tekale, Rajkumar U. Pokalwar, Laszlo Kotai, Rajendra Pawar Polycyclic aromatic compounds: <a href="https://doi.org/10.1080/10406638.2021.1950194">https://doi.org/10.1080/10406638.2021.1950194</a>
37.	Collaboration	Department of Psychology, NKSPT's Arts, Science & Commerce College, Badnapur, Jalna Contact details:9665644832 Email.ID: <a href="mailto:mimrot@rediffmail.com">mimrot@rediffmail.com</a>	16 <sup>th</sup> Feb. 2022	16 <sup>th</sup> Feb. 2025	Collaborative Research	Three Years.	Published Three Research papers: 1. The evolutionally journey of Yoga from the ancient times in traditional period A. P. Kolhe, Dr. Bharat Mimrot Review journal 2023, 9(3), 615-622. 2. Portrayed of mental disorder in cinema: Special reference to film industry 1900 to 2016.Devesh D. Pathrikar, Bharat H. Mimrot, Archnaa P. Kolhe International journal of recent scientific research vol. 13, issue 10, pp. 2403-2414. 3. Study of achievement, motivation, in relation to creativity and gender B.S. Jadhav, Archana P. Kolhe, Dr. Bharat Mimrot GIS science journal vol. 9, issue 4, 2022, pp. 686-704.
38.	Collaboration	Department of Chemistry, Ferguson College, Pune (MS) India. Contact details:9158299664	8-Nov-2022	8-Nov-2023	Collaborative Research	One Years	Two Research Publications: 1. Rapid access to pyrano-(2,3-d) pyrimidines using microwave assisted (EMIM) (OH) catalysis. Organic preparations and procedure international 2023 <a href="https://doi.org/10.1080/00304948.2023.2235944">https://doi.org/10.1080/00304948.2023.2235944</a> 2. Citric acid mediated synthesis of spinel binary copper manganese oxide (Cu-Mn <sub>2</sub> O <sub>4</sub> ) nanomaterial



  
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							using sol-gel method Jagannath S. Godse, Sonalika V. Pawar, Santosh B. Gaikwad, Vishal B. Bhise, Sandeep S. Dhotre, Sanjya B. Ubale, Rajendra P. Pawar Letters in Applied Nano Bioscience Vol. 12, Issue 4, 2023, 180.
39.	Collaboration	Internal Quality Assurance Cell, Indraraj Arts, Commerce & Science College, Sillod Dist: Aurangabad.	04/01/2022	04/01/2025	Academic Purpose	Three Years	National E- conference on "Current Challenges & Future Scope in Life Sciences" & Conference on "Multidisciplinary Research Methodology Humanities, Languages & Literature Commerce & Management Science & Management Science, Science & Technology."
40.	Linkage	Department of Dramatics, Dr. B.A. M. University, Aurangabad. Contact details: 9921457481	04 /02/ 2022	04 /02/ 2025	Academic purpose	Three Years	Career guidance program on "future scope in drama" on 04 <sup>th</sup> Feb. 2022 (12 participants)
41.	Collaboration	Department of Economics, Dhananjay Gadgil Commerce College, Satara. Contact details:9860441392 <a href="mailto:rajshekhar12@gmail.com">rajshekhar12@gmail.com</a>	14/09/2022	14/09/2025	Collaborative Research	Three Years	Published one research article: <i>Manvi Kalyan Sandarbhat Arthashastriya Sanshodhan Paddhatiche Badalte Swarup aani sidhantiksana shodhanarkhada: Ek Abhyas Avinash Ankushrao, Rajshekhar Nilolo: Proceeding of the conference on research methodology: Issue and solutions in social sciences and literature ISBN: 978-93-92865-80-0, pp. 42-49, 2023.</i>
42.	Collaboration	Department of zoology, Adarsh College, Hingoli. Contact details:9405279294 <a href="mailto:mgmclgandhelp12@gmail.com">m gmclgandhelp12@gmail.com</a>	15 <sup>th</sup> June 2022	15 <sup>th</sup> June 2023	Collaborative Research	One Year.	Published book chapter: P. R. Khandare E. D. Mule A review on coastal pollution in the book "global warming and planet, discovery publication house, New Delhi. pp. 10-16.



  
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43.	Collaboration	Department of History, Rajeev Gandhi College, Karmad, Dist. Aurangabad. Contact details :9021228084	17 <sup>th</sup> Nov. 2022	17 <sup>th</sup> Nov. 2025	Collaborative Research	Three Years	Published one research article: Indian women and human rights Shivnanda Holkar, Kishor N. Kale, B. B. Tekale, Proceeding of the conference on research methodology: Issue and solutions in social sciences and literature ISBN: 978-93-92865-80-0, pp. 61-65, 2023
44.	Collaboration	Department of Hindi, Lokseva Education Society's Arts & Science College, Aurangabad. Contact details: 9404486462	18/1/2022	18/1/2025	Collaborative Research	Three Years	Published one research article: <i>Hindi Katha Sahitya me Stri Vimarsh. Dr. Dastgir Deshmukh, Savita Londhe.</i> Proceedings of the conference on research methodology in science and technology and management. 2023, pp. 15-19.
45.	Collaboration	INTERNAL QUALITY ASSURANCE CELL, Swaray Shikshan Sanstha's Maharaj Sayajirao Gaikwad Arts, Commerce & Science College, Bazar Sawangi, Tq. Khultabad, Dist: Aurangabd.	29/12/2022	29/12/2027	Academic Purpose	Five Years	Workshop on Revising Curriculum for Commerce & Management on Dated 26/04/2023.
46.	Collaboration	Department of chemistry, Vivekanand Arts, Sardar Dalipsingh Commerce & Science College, Aurangabad. Contact details:9421676006 <a href="mailto:profsrvaidya@gmail.com">profsrvaidya@gmail.com</a>	8/8/2021	8/8/2024	Collaborative Research	Three Years	Published two articles: 1. Review of synthesis of imidazole containing synthons and its biological activity. Arun R. Jagtap, Sandeep S. Dhotre, Vidya S. Dofe, Suyyujita Vaidya, Rajendra P. Pawar in the conference proceeding on national symposium on innovative inclinations and sustainable technology in chemical sciences 2023, pp. 94-103. 2. A review on biological interest of quinoline derivatives and its



  
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							synthetic methods Sandeep S. Dhotre, Arun R. Jagtap, Vidya S. Dofe, Suyujita R. Vaidya, R. P. Pawar in the conference proceeding on national symposium on innovative inclinations and sustainable technology in chemical sciences 2023, pp. 57-66.
47.	Collaboration	Shri Shivaji Science and Arts College, Chikhli, Dist. Buldhana (MS) India. Contact details. :9423467636 <a href="mailto:pallavinallek@gmail.com">pallavinallek@gmail.com</a>	15-Jul-2021	15-Jul-2024	Collaborative Research	Three Years.	Published four research articles: 1. Effects of simultaneous substituted of Zn and Cr ion on the structural properties of Nickel Nano ferrites. V. K. Mande, S. R. Daruwale, A.R. Bansode, P. b. Nalle Proceedings of the conference on research methodology in science and technology and management. 2023, pp. 183-189. 2. A review on nanotechnology: history and future: A. R. Bansode S. P. Gadekar, S. R. Daruwale, V. K. Mande, P. B. Nalle, Awankar D. V. Proceedings of the conference on research methodology in science and technology and management. 2023, pp. 153-156. 3. A research methodology and information technology review: A. R. Bansode S. P. Gadekar, S. R. Daruwale, V. K. Mande in the Proceedings of the conference on research methodology in science and technology and management. 2023, pp. 150-152. 4. Acoustical behavior of some sodium salts of different carboxylic



  
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							acids in aqueous N,N-DMF mixtures at 303 K. S. R. Daruwale, V. K. Mande, S. P. Gadekar, A. R. Bansode, Kapale A.S., P. B. Nalle Proceedings of the conference on research methodology in science and technology and management. 2023, pp. 164-173.
48.	Collaboration	M.V.P.S. Arts, Science and Commerce College, Nandgaon, Dist: Nashik. Contact details:9975813558 Email.ID: <a href="mailto:bhagwatchavre@gmail.com">bhagwatchavre@gmail.com</a>	27 <sup>th</sup> July 2021	27 <sup>th</sup> July 2024	Collaborative Research	Three Years.	<ul style="list-style-type: none"> <li>Published one research article Medicinal plants in ancient Aurveda used to treat Diabetes Megha Tupe, B. W. Chaure, S. D. Rajmane Proceedings of the conference on research methodology in science and technology and management. 2023, pp. 15-19.</li> <li>Organized online special lecture series "Plant classification systems with special reference to Bentham and Hookers classification" for students on 08<sup>th</sup> March 2022 with participation of 52 students.</li> </ul>
49.	Collaboration	INTERNAL QUALITY ASSURANCE CELL, Rajrshi Shahu Arts, Commerce & Science College, Pathri, Tq. Phulambri, Dist: Aurangabad.	15/08/2021	15/08/2024	Academic Purpose	Three Years	Workshop on Conducting Effective Mentoring Program on date 03/08/2023, Participants: 40
50.	Collaboration	Department of Zoology Dr. B. A. M. University Aurangabad Contact details:9423355292 <a href="mailto:chavhanrj@gmail.com">chavhanrj@gmail.com</a>	04 <sup>th</sup> Nov. 2021	04 <sup>th</sup> Nov. 2024	Collaborative Research	Three Years	<p>Four publications</p> <ol style="list-style-type: none"> <li>Book chapter – "Deforestation: An obstacle in environmental wellbeing" in the book "Biodiversity and sustainable resource management" Authors: Muley E. D., Shendge E. S., pp. 63-72.</li> <li>Paper: biological control agents: An effective tool in sustainable agricultural practices. Muley E.</li> </ol>



  
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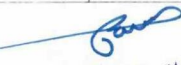
							<p>D., Chavan A. S. in the proceeding in the national conference on current challenges and future scope in life science. ISBN 978-93-86751-22-5, pp. 84-86.</p> <p>3. Paper: Ecological importance of birds as biological control agents. Mulye E. D., Chavan A. S. in the proceeding in the national conference on current challenges and future scope in life science. ISBN 978-93-86751-22-5, pp. 11-15.</p> <p>4. Paper: Seasonal variation of nematode parasites heterakissp in the gallus, gallusdomesticus from Aurangabad district (MS) India. in the proceeding in the national conference on current challenges and future scope in life science. ISBN 978-93-86751-22-5, pp. 56-60.</p>
51.	Linkage	Green Gold Seed's Pvt. Ltd. Contact details:02402553680 ggseeds121.co.in	5-Jul-2021	5-Jul-2022	Job training program	One Year	Organized student job training program on Sample Analysis in Biotechnology on 10.09.2021 (33 participants)
52.	Collaboration	INTERNAL QUALITY ASSURANCE CELL, Bahirji Smarak Mahavidyalaya, Basmat Nagar Hingoli. Contact:	11/11/2021	11/11/2023	Academic Purpose	Two Years	National E-Conference on Recent Advances in Chemical & Physical Sciences.
53.	Collaboration	School of Pharmacy, and institute of Drug Research, Alex Grass Centre for Drug research, The Hebrew	4-Mar-2021	4-Mar-2024	Collaborative Research	Three years.	Two Publications: I. Book chapter: Polysaccharide-based biomaterials: Overview” Sunil U. Tekale, Anant B.



  
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		University of Jerusalem. Contact details :9725488206					<p>Kanagare, Anand V. Dhirbassi, Abraham J. Domb, Rajendra P. Pawar in the book Polysaccharide based biomaterials: Delivery of therapeutics and biomedical applications. 2023.</p> <p>2. Recent development sin biodegradable block copolymers: Sunil U. Tekale, Yakkir Rotenberg, Rajita D. Ingle, Abraham J. Domb, Rajendra P. Pawar, Polymer Advanced Technology, 2021, pp. 1-23.</p>
54.	Academic Linkage	Department of Microbiology Government College of Arts and Science, Aurangabad Contact details:9822409474	28 <sup>th</sup> June 2021	28 <sup>th</sup> June 2022	Academic purpose	One Year	Guest Lecture on topic fermentation industry lay out and its functioning on 05 <sup>th</sup> and 07 <sup>th</sup> July2021
55.	Collaboration	Internal Quality Assurance Cell, Dagdojirao Arts, Science & Commerce College, Bajaj Nagar, Waluj, Aurangabad. Contact Detail: 0240-2552083 Email ID: ddacabd1@gmail.com	12/10/2021	12/10/2024	Academic Purpose	Three Years	One Day National E- Conference on "Research Methodology: Issues and Solutions in Social Sciences & Literature on date 30/06/2023, Participant: 61
56.	Collaboration	Department of Psychology, Indira Mahavidyalaya, Kalamb, Dist: Yawatmal. Contact details:8830767429	07/07/2021	07/07/2024	Academic purpose	Three Years	Training Program on dated 12/12/2022 On topic: Training of Psychological Counseling. Participant 24
57.	Collaboration	Department of Microbiology, Maulana Azad college, Aurangabad. Contact details:9850108392 Email.ID: madhurisahastrabudhe@gmail.com	12-Jul-2021	12-Jul-2022	Collaborative Research	One Year	Published One Research Article Metallo-collagenase production by Arthrobactor creatinolyticus KP015744 Savita Kate, Madhuri Sahastrabyudhe, Archanna Pethe Advance in Environmental research vol. 11, No. 1, 2022, pp. 1-16.



  
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58.	Collaboration	INTERNAL QUALITY ASSURANCE CELL, Advanced Computer College, Osmanabad.	17/01/2021	17/01/2022	Academic purpose	Two Years	Workshop on "Student Enrollment For MOOC", on Date 03/01/2023 , Participants: 33
59.	Collaboration	INTERNAL QUALITY ASSURANCE CELL, Chhatrapati Sambhaji College of Computer Science College, Aurangabad.	13/07/2021	13/07/2023	Academic purpose	Two Years	Organized Seminar on "Defining, Dissemination of COs, POs & Calculating Their Attainment" on date 28/01/2023
60.	Collaboration	INTERNAL QUALITY ASSURANCE CELL, Rajarshi Shahu Arts, Commerce & Science College, Paradh.	16/08/2021	16/08/2023	Academic purpose	Two Years	Workshop on "Quality Perspectives & Submission of AQAR" on Date 29/03/2022
61.	Collaboration	INTERNAL QUALITY ASSURANCE CELL, Bhartiya Shikshan Prasarak Sanstha, Ambejogai's Shri Siddheshwer Mahavidyalaya , Majalgaon, Dist: Beed.	11/08/2021	11/08/2023	Academic purpose	Two Years	Workshop on "Quality System & Documentation for SSR Submission" on Date 15/11/2022.
62.	Collaboration	INTERNAL QUALITY ASSURANCE CELL, MIT College, Cidco, Aurangabad.	14/09/2021	14/09/2023	Academic purpose	Two Years	Workshop on "Self Study Report Preparation" on Date 18/01/2023 with 35 Participants.
63.	Collaboration	Department of zoology, RajashriShahu Arts, Science and Commerce College, Pathri, Tq. Phulambri. Contact details: 9527877357	25-Oct-2020	25-Oct-2023	Collaborative Research	Three years.	Published one research article: Review on ecological aspects of spiders (Arachnida: Araneae) Muley E. D., Nalegaonkar A. B. Proceedings of the national conference on current challenges and future scope in life science ISBN: 978-93-86751-22-5. Pp. 87-89.
64.	Collaboration	Shri. Panditguru Pardikar College, Shirsala, Beed. Contact details:8788220381 arunawalke45@gmail.com	26 <sup>th</sup> June 2020	26 <sup>th</sup> June 2023	Collaborative Research	Three years.	Published two research articles: 1. <i>Shikshanatun Mahila Sabalikarn: Ek Abhyas</i> Dr. Aruna Walke, Manisha Rautmare Conference



  
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							<p>Proceeding ISBN: 978-93-9286-61-9</p> <p>2. <i>Mahila Sakshmikaranamadhe Gruhvidhnanachi bhumika.</i> Manisha Rautmare, Aruna Walke, Pooja Borade Conference Proceeding ISBN: 978-93-9286-61-9</p>
65.	Collaboration	Sunderrao More Arts, Commerce and Science College, Poladur, Raigad (MS) India. Contact details: 9403329871	22 <sup>nd</sup> Dec. 2020	22 <sup>nd</sup> Dec. 2023	Collaborative Research	Three Years.	<p>Published two Research Papers</p> <ol style="list-style-type: none"> <li>1. Efficient and one pot synthesis of tetrahydro-(b) pyran derivatives catalyzed by copper doped ion tartarate Mahesh Walle, Rajita Ingle, R. P. Pawar Journal of scientific research vol. 65, issue 6, 2021, pp. 62-65.</li> <li>2. Mixed metal tartrate composite as an efficient and reusable catalyst in synthesis of heterocyclic compounds Mahesh Walle, Rajita Ingle, R. P. Pawar, Sunil Gawali, Snhehal Kamble Proceedings of the national symposium on innovative inclinations and sustainable technologies in chemical sciences 2023, pp. 197-201.</li> </ol>
66.	Collaboration	Department of Chemistry, L.P.G. Arts and Science College, Shirpur (Jain), Washim. Contact details:9764068163	22-05-2020	22-05-2023	Collaborative Research	Three years.	<p>Published two research articles:</p> <ol style="list-style-type: none"> <li>1. A systematic review of green synthesis, characterization and application of cobalt oxide nanoparticles J.S. Godse, S. B. Gaikwad, S. B. Ubale, R. P. Pawar. Proceedings of the national symposium on "Innovative inclinations and sustainable technologies in chemical</li> </ol>



  
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							<p>sciences.2023, pp. 80-89.</p> <p>2. Synthesis of binary manganese cobalt oxide (<math>MnCo_2O_4</math>) nanomaterial in environmentally benign aqueous medium J. S. Godse, S. B. Gaikwad, V. B. bhise, Ravindra Suryawanshi, sanjay B. Ubale, R. P. Pawar Letters in Applied Nano Bioscience vol. 12, issue 4, 2023, pp. 1-8.</p>
67.	Collaboration	Department of chemistry, KES Anandibai Pradhan Science College, Nagothane, Raigad (MS) India Contact details:8412991873	27-Jul-2020	27-Jul-2023	Collaborative Research	Three Years	Published One Research article: Review on synthetic strategies of 1,3,4-thiadaine derivatives and its biological activities. Shrikrishna Tupare, Pravin Mehram, Pratima Bamgude, Mayur Pardhi, R. P. Pawar Proceeding of national symposium "Innovative inclinations and sustainable technologies in chemical sciences" 2023, pp. 179-191.
68.	Collaboration	M.S.M. College of Physical education, Aurangabad. Contact details:9850526694 Email.ID: <a href="mailto:kulsagar9@gmail.com">kulsagar9@gmail.com</a>	20/09/2020	20/09/2023	Academic purpose and organizing competitions	Three Years	Organized a sports competition
69.	Collaboration	Department of Microbiology, Maulana Azad college, Aurangabad. Contact details:9850108392 Email.ID: <a href="mailto:madhurisahastrabudhe@gmail.com">madhurisahastrabudhe@gmail.com</a>	10-Jul-2020	10-Jul-2021	Collaborative Research	One Year	One Research Article Published: Biogenic silver nanoparticle synthesis, characterization and its antibacterial activity against leather deteriorates Savita Kate, Madhuri Sahastrabudhe, Archana Pethe Jordon Journal of Biological Sciences vol. 13, No. 4, 2022, pp. 493-498.



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70.	Linkage	Department of Geography Milind College of arts, Aurangabad. Contact details:9422204685	03/02/ 2020	03/02/ 2021	Academic purpose	01 Year	Student training program through career Guidance Program on World climate change on 03 <sup>rd</sup> Feb. 2020 with participation of 45 students.
71.	Collaboration	Deuton-X Ltd. Selmeci u Contact details: +36 1 382 6562 <a href="mailto:kotai.laszlo@ttk.mta.hu">kotai.laszlo@ttk.mta.hu</a>	05 <sup>th</sup> Sept. 2020	05 <sup>th</sup> Sept. 2023	Collaborative Research	Three years.	Published four research articles: 1. Thermal analysis of salvomorphicedeca-kis dimethyl ammonium dihydrogendodecatungstate hydrates Laszlo Trif, Fernanda P. Franguelli, Gyorgy Lendvay, Eszter Majzik, Kemde Beres, Laura Bereczki, Imre M. Szilagyi, Rajendra P. Pawar, Laszlo Kotai Journal of thermal analysis and Calorimetry 2021, 144, 81-90. 2. Plasma assisted preparation of nano (ZrC, ZrO <sub>2</sub> ) at carbon composites from Zr loaded sulfonated styrene - divinyl benzene copolymers A. Martiz, Z. Karoly, L. Trif, L. Bereczki, P. Nemeth, Z. Molnar, A. Menyhard, R. P. Pawar, S. Tekale, L. Kotai, Journal of Thermal analysis and calorimetry 2022, 147, 9353-9365. 3. An efficient and rapid synthesis of 1,4-dihydropyrano-(2,3-c) pyran and 1,4-dihydropyrano-(2,3-c) quinolone derivatives using copper nanoparticles grafted on carbon microspheres. Nitishkumar S. Kaminwar, Sunil U. Tekale, Rajkumar U. Pokalwar, Laszlo Kotai, Rajendra P. Pawar, Polycyclic aromatic compounds, 2021,



  
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							<a href="https://doi.org/10.1080/10406638.2021.1950194">https://doi.org/10.1080/10406638.2021.1950194</a> 4. Temperature limited synthesis of copper magnates along the borderline of the amorphous / crystalline state and their catalytic activity in Co oxidation H. S. Solt, P. Nemeth, M. Mohai, I. E. Sajo, S. Klebert, F. P. Frangulle, L. A. Fogaca, R. P. Pawar, L. Kotai ACS Omega, 2021, 6, 1523-1533.
72.	Collaboration	CSTS (Centre for Skilling & Technical Support), Aurangabad.	10/01/2019	10/01/2020	Job training program	One Year	Industrial Visit & job Training Program on Date 15/01/2019.

  
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