

Rayat Shikshan Sanstha's
Yashavantrao Chavan Institute of Science, Satara (Autonomous)
Lead College of Karmaveer Bhaurao Patil University, Satara
Research Office

Notice Date:-28/11/2024

All Head of the Department and Coordinators are hereby informed to provide the information for Academic year 2023-24 and 2024-25 as per the following points.

Name of Department:-

1. Research papers published

Sr. No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Page No.	Link
1	Salacia as a functional bioactive food ingredient: Insights into dietary phytonutrients, phytochemistry, health-promoting attributes and innovation potential	Jaykumar J Chavan, Nikhil B Gaikwad, Umesh B Jagtap, Claudete Santa-Catarina, Lovedeep Kaur	Food Bioscience	2025	2212-4292	71	https://www.sciencedirect.com/science/article/abs/pii/S2212429225013021

2	Characterization and identification of enzyme-producing microflora isolated from the gut of freshwater Prawn, <i>Macrobrachium Spp</i>	Jaykumar J. Chavan, Nikhil B. Gaikwad, Umesh B. Jagtap, Claudete Santa-Catarina, Lovedeep Kaur	bioRxiv	2025		2024.12.10.627853	https://www.biorxiv.org/content/10.1101/2024.12.10.627853v1.abstract
3	<i>Salacia</i> spp.: recent insights on biotechnological interventions and future perspectives	Chavan, J., Patil, P., Patil, A. et al	Appl Microbiol Biotechnol	2024	0175-7598	108, 200	https://link.springer.com/article/10.1007/s00253-023-12998-z#citeas
4	Cryptovivipary mechanism in the wild caper bush <i>Capparis sepriaria</i> (Capparaceae)	Vasundhara V Khot, Jagdish V Dalavi, Jaykumar J Chavan, Shankar M Shendage	Nordic Journal of Botany	2024	0107-055X	e04361	https://nsojournals.onlinelibrary.wiley.com/doi/abs/10.1111/njb.04361
5	Bioactive Compounds of Bryophytes: Unveiling Antimicrobial Properties and Therapeutic Potential	Chavan S. J. Shete R. S., Wangikar H. V., Chavan J. J., Kanade M. B.	International Journal of Plant and Environment	2024	2454-1117	1-15	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=Z1ovb18AAAAJ&sortby=pubdate&citation_for_view=Z1ovb18AAAAJ:tOudhMTPpwUC
6	First report of <i>Trichoderma lixii</i> causing leaf spot of <i>Ceropegia vincaefolia</i> in India	M. S. Bhujbal, A. S. Patil, A. S. Kadam, N. N. Patil, J. J. Chavan	New Disease reports	2024		e12304	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=Z1ovb18AAAAJ&sortby=pubdate&citation_for_view=Z1ovb18AAAAJ:l7t_Zn2s7bgC

7	Zingiber zerumbet: a green and ecofriendly natural surfactant for the synthesis of bis (indolyl) methane, tris-indoline and spirooxindole derivatives	Aboli Sapkal, Suraj Attar, Jaykumar Chavan, Arjun Kumbhar, Santosh Kamble	Sustainable Chemistry and Pharmacy	2023	2352-5541	101228	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=Z1ovb18AAAAJ&sortby=pubdate&citation_for_view=Z1ovb18AAAAJ:a0OBvERweLwC
8	Evaluation of anticancer activity of cinnamomum zeylanicum against blood cancer cell line	Sayali Hatte, Pallavi Mandave, Ashwini Jadhav	Journal of microbiology, biotechnology and food sciences	2025	1338-5178	e11729-e11729	https://scholar.google.co.in/citations?view_op=view_citation&hl=en&user=KMSpqo4AAAAJ&sortby=pubdate&citation_for_view=KMSpqo4AAAAJ:vV6vV6tmYwMC

2. Research projects and funds received

Sr. No.	Name of of the PI/ Co-PI/Name of the person holding the Chair	Title of the research project, endowments, Research Chairs	Name of the funding agency	Duration	Year of award or sanction	Amount in INR.
1						

3.Seminar, Webinar, Guest lectures Conference organised

(Report in soft and hard copy)

Sr. No.	Name of the Workshop/Seminar	Number of Participants	Date
1			

4. Books, Book Chapters published

Sr. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Whether at the time of publication Affiliating Institution was same Yes/No	Name of the publisher
1	Ghodke LM, Mandave PC, Wakarekar PC	Phytochemical Innovation: TheFuture of Plant – based Therapies	Ayurvedic based phytohemic als: A new avenue for Fure therapies	2025	978-81-977907-4-4	YES	JPS Scientific Publications
2.	Mandave PC, Ghodke LM, Deshmukh AM, Mane MU	Life Style Diseases: Molecular Mechanism and Preventive Measures	Understand ing diabetes mellitus: A new insight into molecular	2025	978-81-979376-8-2	Yes	JPS Scientific Publications

			mechanism				
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5. Research training organised

Sr.No	Title	Date	No. Of Beneficiaries
1			

6. Consultancy Details

Sr. No.	Name of the faculty consultant or trainer	Organization to which consultancy or corporate training provided	Dates/duration of consultancy	Amount generated in INR
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7. Extension Activities organised

Awards/Appreciations received for extension activities

Sr. No.	Name of the activity	Award Received From	Month and Year of the Activity	Supporting Documents
1				
2				

8. IPR Research methodology workshops organised

Sr. No	Name of the workshop/Seminar	Number of participants	Date (From-To)	Supporting Documents
1				
2				

9. Faculty,student exchange for research MOU signed and activities conducted

Sr. No.	Year of signing	Name of the organization with whom MOU/Collaboration being Signed	Duration	Purpose of MOU/ Collaboration	List the actual activities under each MOU year-wise	Date of activity conducted	MoU Linkage/ Collaboration	Activity Document/ Report
Memorandum of Understanding (MoU)								
1								
2								
Linkages								
3								
4								
Collaborations								
5								
6								

10. Plan of Activities in 2024-25

Principal

Yashavantrao Chavan Institute of Science, Satara