



Profile of the Faculty

1. General Information:

Name of the Faculty	:	Dr. Mrs. Manda Anil Mhatre
Name of the Department	:	Zoology
Educational Qualifications	:	M.Sc., Ph.D. and M.B.A. in Finance. Diploma in Bio-programming.
Present Designation	:	Associate Professor& Head, Department of Zoology
Address for Correspondence	:	Department of Zoology, Changu Kana Thakur Arts, Commerce and Science College, New Panvel (Autonomous), Plot-No.01, Sector-11, Khanda Colony, New Panvel (W), Dist. Raigad, Maharashtra, India- 410206
E-mail	:	mhatrem1671@gmail.com
Contact Number	:	(022) 27464193, (022) 27455760
Specialization	:	Endocrinology and Marine Zoology
Total teaching experience	:	30 years
Courses taught	:	Classics Zoology ,Animal Physiology, Genetics ,Ecology ,Endocrinology ,Fishery Biology, Bioinformatics , Ecotourism and Biomimicry
Research experience	:	20
Number of students registered for Ph.D. degree	:	-
Number of students awarded Ph.D. degree	:	-
Number of students registered for P.G degree by research	:	-
Number of students awarded P.G degree by research	:	-

2. Publication of Research Papers:

Peer reviewed journals	:	15
Non-peer reviewed journals	:	01
Conference proceedings	:	09

List of Publication of Research Papers:

1. Impact of Air Pollution on Human Health, Manda Anil Mhatre, International Journal of Zoological Investigation ,11(1)214-218, 2025
2. Air pollution, Types, Sources, Pollutant and control measures, Manda Anil Mhatre, International Journal of Zoological Investigation, vol.10 no.2,1002-1008,2024
3. Understanding Key stressors for marine and coastal Biodiversity loss: An Overview, Manda Anil Mhatre, Uttar Pradesh Journal of Zoology, 2024 - Volume 45 [Issue 15] 330-336
4. Role of Mangroves as Fishery resources, Manda Anil Mhatre *Uttar Pradesh Journal of Zoology, 2024 - Volume 45 [Issue 16] 35-41*
5. Understanding Key Stressors for Marine and Coastal Biodiversity Loss: An Overview. Manda Anil Mhatre, Uttar Pradesh Journal of Zoology, 2024-Volume 45(15), 330–336.
6. Shorebirds: Threats and Strategies for Conservation,2024 Manda Anil Mhatre, Uttar Pradesh Journal of Zoology, vol.45 Issue 17, Page 176-185 ,2024 article no. upjoz. 3936
7. The Extraction of Pearl Essence from Different Types of Fishes, Manda Mhatre, Yojana Muniv and Rani Thakre, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 2, Issue 3, March 2022
8. Survey project to understand the impact of covid-19 on, Education, Manda Mhatre, Shruti Hiremath and Yojana Muniv, Electronic International Interdisciplinary Research Journal, 2022, XI (II), 148-155
9. Rice Yellow Stem Borer: An Overview Manda Anil Mhatre, Vinda Manjramkar and Surendra Prasad, The Agriculture Magazine ISSN :2583-1755 Vol.03 issue:8 April 2024 page no.288-291
10. Rice grain Discolorations Disease: An Overview, Manda Anil Mhatre, Vinda Manjramkar and Surendra Prasad, the Agriculture Magazine 2024, Vol.03 issue :06- page no.448-451
11. Ecological role of birds, Surendra Prasad, Manda Anil Mhatre, and Khan Laiqur Rehman Moiz, The Agriculture Magazine ISSN :2583-1755 Vol.03 issue :9- May2024 page no. 509-512

12. Microscopic Menace: The Impact of Mites on Agricultural Crop, Manda Anil Mhatre, and Khan Laiqur Rehman Moiz, The Agriculture Magazine ISSN :2583-1755 Vol.03, issue :11-page no.448-451 July-2024
13. Bioaccumulation of Heavy Metals in Tilapia Mossambicus Fish from Industrially Polluted Patalganga River, India Jyotsna Thakur, Manda Mhatre International Journal of Advanced Research Feb 2015
14. Potential Health Risk due to the Bioaccumulation of Heavy Metals in the Fish found in Dharamtar Creek, Jyotsna Thakur, Manda Mhatre, International Journal of Engineering Technology Science and Research 2015
15. Assessment of Potential Dietary Toxicity of Heavy Metals in Tilapia Mossambica in the Industrially Jyotsna Thakur, Manda Mhatre, International Journal of Engineering Technology, Management and Applied Sciences, 2015
16. Bioaccumulation of heavy metals in the fish found in Gadhi River, Panvel, India (2016): Two Days National Seminar on Environmental hazards and problems: Issues and Solutions organized by C. K. Thakur A. C. S. College, New Panvel, dated 28th and 29th March 2016.
17. Bioaccumulation of Heavy Metals in Tilapia mossambica found in Gadhiriver , Panvel , India (2012): UGC Sponsored Two Days State level seminar on Recent trends in impact of environmental pollution on Biodiversity and Human health organized by Dept. of Zoology Veer Wajekar A.S.C. College, Phunde, Tal-Uran, Raigad dated 6th -7th /01/2012.
18. Effect of anticancer drug Etoposide (VP-16) on male reproductive organs of male white rat (2011): UGC Sponsored International Symposium on current trends in Endocrine and Reproductive Health., Mysore University, Feb.2011.
19. Effect of Gossypol on male rats (Albino Wistar) Body Weight, Epididymis weight and ultrastructure of Epididymis (2011) UGC Sponsored International Symposium on current trends in Endocrine and Reproductive Health., Mysore University, Feb.2011.
20. Ultrastructural revelations on the interhaemal membrane of the mega chiropteran Pteropodidae bat Cynopterus sphinx gangeticus during different stages of embryonic development (2011) UGC Sponsored International Symposium on current trends in Endocrine and Reproductive Health., Mysore University, Feb.2011.
21. Elaborative electron microscopic studies on the inter haemal membrane of the short-nosed fruit bat Cynopterus sphinx gangeticus during early and full term stages of pregnancy (2011): UGC Sponsored National conference on Current Trends in Biological Sciences organized by R.K.Talreja College of Arts, Science and Commerce, Ulhasnagar 29th -30th Jan.2011.

22. Effect of steroid combinations on the body weight and weight of epididymis in male white rats (Albinowistar) (2010): State level seminar on Recent Trends and Innovations in Zoology, Dec. 2010.
23. Electron microscopic studies on the development of Interhemal Membrane of the Vespertilionid bat, *Scotophilus heathii* during early and full-term Stages of pregnancy (2010): State level seminar on Recent Trends and Innovations in Zoology, Dec. 2010.
24. Comparative Fine structure of Lactotrophs in some mammals during late pregnancy (2010): State level seminar on Recent Trends and Innovations in Zoology, Dec. 2010.
25. Ultra-structural Investigations on interhaemal membrane of the microchiropteran vespertilionid bat- *Scotophilus heathii* during varied stages of gestation. 2009: National symposium on comparative endocrinology and reproductive physiology: current advances, Institute of Science, Mumbai. Dec. 2009.

3. Books Authored

International Publisher	:	01
National Publisher	:	02
Chapters in Edited Books	:	-

International Publisher	:	Bioinformatics by Dr. M.A.Mhatre, Prof. Vinda Manjaramkar Alpha International Publication (AIP) ISBN:978-93-5762-086-4
National Publisher	:	Fundamentals of Zoology Diseases, Evolution, Behavior and Animal Cell structure by Dr. Manda Anil Mhatre, Dr. Nitin Devendra Padwal, Prof. Dr. Vinda Manjaramkar, Dr. Atul Shivajorao Humbe AGPH Books (AG Publishing House) ISBN:978-93-49028-38-8
National Publisher	:	Applied Zoology: Animal Genetics, Ecology, Structure and Medical Physiology AGPH Books (AG Publishing House)

		Dr. Mrs. Manda Anil Mhatre, Dr. D. Sandhia, Dr. Gantaloo Uma sukaiya, Dr. R. Indira ISBN: 978-93-49028-51-7
Chapters in Edited Books	:	-

4. Minor Research Project Completed:

Title of the project	Date of sanction	Duration	Grant received	Funding agency
Effect of anticancer drug on male reproductive organs of male white rat	Date of Sanction: 07/10/2010	02 year	Rs. 95,000/-	University Grants Commission
Study of Heavy Metals pollution on different Industrial area. Funded by UGC Rs. Dated-2012-13.	2012-13.	02 year	Rs. 1, 20,000,	University Grants Commission

5. Patent :

Status	Number/s
Granted	01
Published	01
Filled	01

List of patents:

Sr. No.	Patent Name	Title of Invention	Patent Number	Date & Year of Publication	Date & Year of Grant of Patent
01	Indian Patent	Advanced chamber to monitor fish health	383700-001	12/04/2023	12/04/2023
02	Indian Patent	Device for Marine Sponge Bacteria Enzyme Extraction	400996-001	30/11/2023	-

6. Membership/s:

- Indian Chiropterological society of India.

- Indian Women Scientist Association.
- Indian Science Congress.
- SRBC India

7. Faculty Development programmes like Orientation/Refresher courses/ Short term courses etc. attended:

Name of the Course	Place	Duration	Sponsoring Agency
Orientation Course	UGC Academic Staff College, University of Mumbai.	03/05/2004 to 29/05/2004	UGC
Refresher Course	Dept. of Environment Science, University of Pune, Pune	01/03/2013 to 21/03/2013	UGC
Refresher Course	Academic Staff College, University of Mumbai	30/05/2016 to 18/06/2016	UGC
Short Term Course in Teaching Learning and Evaluation	UGC HRDC, Dr. Babasaheb Ambedkar Marathwada University (India)	01/06/2015 to 06/06/2015	UGC
Global Skills Enhancement Programme	Infosys, Pune	28/04/2008 to 11/05/2008	Infosys-Pune

8. Participation in conferences, symposia, seminars and workshops:

Level	Presented paper	Only attended
International	07	
National	06	
State	03	
University		

9. Conferences, symposia, seminars and workshops organized as convener/co-convener:

Level	Convener	Co-convener
National	01	01
State	02	01
College		

10. Experience on the various committees at the college

- Chairperson –Board of Studies in Zoology

- b. Chairperson- Students council and welfare
- c. Member- College Development Committee
- d. Member – Unfair Means Committee
- e. Member – Students Grievance Redressal Cell
- f. Member, College Development Committee (2019-20 to till date)

11. Experience on the NAAC/ IQAC of the college:

Member Criteria II.

12. Experience on the Various Committees at the University of Mumbai / Government -

12. Awards/recognitions received: -

Level	Title	Year	Awarding agency
University			
State			
National			
International			