

CURRICULUM VITAE

Archana L. Mahakalkar

Assistant Professor

Department of forensic Biology

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Personal Details

Name : Dr. Archana I. Mahakalkar

Date of Birth : 13 Augast,1978

Nationality : Indian

Gender : Female

Languages known : Marathi, Hindi and English

Address : C/O H.P.Sapkal,15,Sadhna colony,Dastur Nagar,Amravati, Dist Amravati.

Education:

Certificate / Degree	Board/ University	School/College/University	Year of Passing	% Of marks	Class	
S.S.C.	Amravati Board	Gandhi Vidhyalaya,Badnera	1995	88.85	I	32 nd merit
H.S.C.	Amravati Board	Brijlal Biyani College, amravati	1997	74.33	I	
B.Sc.	Amravati University	Shri,Shivaji science,college,Amt	2000	70.66	I	
M.Sc. (Zoology)	SGBAmravati University	Dept. of Zoology, GVISH Amravati.	2002	72.10	I	3 rd merit
Ph.D.	S.G.B. Amravati University	S.G.B. Amravati University	2007			

Technical Skills:

Computer literacy	MSCIT
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Extra-curricular activities:

- National Merit Scholarship (1995-2000)
- Distinction in all subjects in S.S.C
- Stood 32nd merit in S.S.C in Amravati board
- Stood 1st merit in Amravati board in Sanskrit subject in S.S.C
- Remain as Vice President and President of Zoological society in M.Sc.I & M.Sc.II respectively
- Participation in Intercolleage Best Seminar Competitions during post graduate level and stood first during 2001.
- Stood 3rd merit in M.Sc. in Amravati University.

Awards and Honours:

1. Selected as Post Doctoral Fellow (UGC..Women) 2012.

Teaching/ResearchExperience:

Name of institution	Post occupied	Duration
Govt.Institute of Forensic Science, Nagpur	Assistant professor in Forensic Biology	From 15 th june 2018
Govt.Institute of Forensic Science,Mumbai	Assistant professor in Forensic Biology	October 13,2015 to 14 june 2018
Govt.Arts,Science,& Commerce college of Aurangabad	Assistant Professor in Zoology	September 24, 2005 to April 30,2006
Govt.Vidarbha Institute of Science & Humanities, Amravati	Assistant Professor in Zoology	July 13,2006 to April 30, 2007
Govt.Vidarbha Institute of Science & Humanities, Amravati	Assistant Professor in Zoology	June 29, 2007 to October 10, 2007

Research Projects:

Sr. No.	Title of the Project	Funding Agency	Amount (In INR per month)	Status
1	Genetic diversity of <i>Wuchereria bancrofti</i> from Vidarbha Region Maharashtra	UGC	56000 /..	Completed (2012-15)

Research Papers Published in National/International Journals:

- Entomological Research
Molecular identification of a forensically relevant blowfly species (Diptera: Calliphoridae) from the Nagpur region of Maharashtra, India.
Apurva M. SHINDE , Archana L. MAHAKALKAR , Hemant P. SAPKAL , Fahd Mohammed ABD AL GALIL, Fahd A. AL-MEKHLAFI5, and Muhammad A. WADAAN
51 (2021) 315-320
- International e-Conference on "Forensic Biology"(ICFB-2021)
A forensic review on sex determination methods for teeth.
Bhoyar LZ and Mahakalkar AL
Special Issue A15, March 2021,45-54.
- Current Updates in Life Sciences
An intramural study of airborne fungal spores in laboratories of Govt. Institute of forensic science, Nagpur
Bhupali Bhusari, Archana Mahakalkar and Hemant Sapkal,2020, 447-456.
- Journal of Scientific and Technical Research
Identification of Forensically Important Insect *Chrysomya megacephala* (Diptera: Calliphoridae) in Criminal Investigation from Nagpur Region. . M. Shinde, A. L. Mahakalkar and V. A. Shende
Volume 9, Issue 2. 2019
- Helminthologia
'Report of high genetic diversity of fi larial worm, *Wuchereria bancrofti* from endemic region of Eastern Maharashtra' '(India).
A. L. MAHAKALKAR , H. P. SAPKAL , M. M. BAIG1
54, 4: 292 - 297, 2017, *Institute of Parasitology, SAS, Košice DOI 10.1515/helm-2017-0043*
- International journal of Research Trends in Engineering and Research
'To compare and study differential detection of Human and Animal blood using Phenolphthalein, Tetramethylbenzidine and Luminol assays.'
Chourasiya S, Lemos R , Archana Mahakalkar
, Issue 11; November - 2017
- International Journal of Innovative Research and development
'Criminality: The Biological Accident'.
Lakshana Asthana, Radhika Shourie, Archana L. Mahakalkar
Vol 5 Issue 13, November, 2016
- International journal of Bioscience Biotechnology Research Communication

'A survey on the lymphatic filarial (LF) cases of Amravati Region.
A L Mahakalkar, A P Charjan, H P Sapkal, I A Raja, K M Kulkarni
Vol. (2) no.(1) June, 2009 (106-109).

➤ Life Sciences Bulletin

'Screening of lymphatic filariasis by Knott's and DEC provocation test in Amravati Region.'
A L Mahakalkar, A P Charjan, H P Sapkal, I A Raja, K M Kulkarni
Vo. 6 no. 3, 2009 (356-362)

Articles Published:

1. An Article '**Forensic Biology: Serology and DNA**' published in **CLUE4 Evidence News** on May 2021, Volume 1 Issue 07.
2. An article '**Tiger sighting –A rare moment**' published in WILDLIFE WEEK 2020, 1st to 7th October 2020 in **Wild Melghat e-Magazine**.
3. Worked as Quiz Creator on topic **Wildlife Forensics** at the **Sherlok Institute of Forensic Science**, Delhi published on 31st October 2021.

Research Papers Presented/contributed in National Conferences/ Seminars/ Workshops:

Conference- 05 (Oral/Poster presentation)

Symposia - 02(Poster presentation)+ 6

Workshops -06

Training

1. Completed UGC sponsored 100th orientation program organized by HRDC, Rastrasant Tukdoji Maharaj Nagpur University, Nagpur with A Grade.
2. Professional training at Yashada at Pune.
3. Forensic Entomological training at Zoology Department, Babasaheb Ambedkar Marathwada University.
4. Research training on Molecular Biology (Lymphatic filarial) at Pondicherry.
5. Research training on Molecular Biology Techniques at Mahatma Gandhi Medical College, Sevagram, Wardha.

Lectures Delivered:

1. Lecture delivered on '**Introduction to Forensic Biology**' at Taywade College, Koradi, on 21st October 2021.
2. Lecture delivered on '**Myths, Superstitions and Wildlife Distruction**' at Gopikabai Sitaram Gawande Mahavidyalaya, Umerkhed, Yavatmal on 5th October 2021.
3. Lecture delivered on '**Role of Forensics in Sustaining Wildlife**' at G.S. Tompe College, Chandur Bazar, Amravati on 4th October 2021.
4. Delivered a lecture on '**Introduction of Forensic Science**', in IYPT 2019 India Program Official Launch Seminar held on 12th January 2019 at Raman Science Center, Nagpur organized by IARC, Center for United Nations.
5. Lecture delivered on the subject "**Lymphatic Filariasis** " at National Filaria Control Unit, Amravati.

Other Achivements:

1. Worked as a Faculty coordinator for "Manav Scientific Reading and Comprehension Self-Assessment Module (for students) organized by Manav IISER Pune.
2. Secured 1st position in National Science Day 2021 Compitition organized by IQAC and Board of Innovation, Incubation and Linkages, RTMNU on 28th Februaay 2021.

3. Worked as RIO+24 Ambassador at IFSC,Mumbai (2018) as well as IFSC,Nagpur(2019) and successfully implemented RIO+24 War and Peace - International Decade for the Rapprochement of Cultures IDRC India Program.
 4. Secured Second Rank in Nagpur District in "**Gandhi Vichar Sanscar Pariksha**" 2018.
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ICT Teaching Materials:

- <https://www.youtube.com/watch?v=C84M9Jcbr7c&-> UG Course in Forensic Science-CH-06 VIDHIK(Social Science-IV)- Introduction to DNA fingerprinting part I (CH-06)
 - <https://www.youtube.com/watch?v=qNR8ZE+ScFs-> UG Course in Forensic Science CH-06 VIDHIK(Social Science-IV)- DNA fingerprinting part II (CH-06)
 - <https://www.youtube.com/watch?v=WJKrJFWy4ls&t=1s-> UG Course in Forensic Science CH-06 VIDHIK(Social Science-IV)- DNA fingerprinting part III(CH-06)
 - <https://sites.google.com/view/archanamlab/home>
 - https://www.youtube.com/channel/UCBT5jF6ORCF_ruuWI7HIYtQ?view_as=subscriber
 - <https://archanamahakalkar.blogspot.com/>
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Declaration

I hereby declare that all the information furnished above is true to the best of knowledge and belief.

Archana I.Mahakalkar