

## RESUME

### Professor E R Martin

M.Sc.,Ph.D.,FZSI,FNEA

Professor of Zoology

Director: UGC-Human Resource Centre  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad 431004  
Maharashtra

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### PERSONAL INFORMATION

**Date of Birth: 30.04.65**

**Address:** A -11 Indraneel Apartment  
Vedant Nagar  
Aurangabad

### Education

Ph.D. Zoology Marathwada University, Aurangabad, India (1990)  
M.Sc. Zoology, Pune University, Pune, India (1987)  
B.Sc. Zoology , Pune University, Pune, India (1985)

### AWARDS AND HONOURS

- Recipient of Shrimati Tarabai Karandikar Prize for standing first in M.Sc Entomology (Gold Medal) in 1987, University of Pune , Pune
- DST Young Scientist Award (1998)
- Fellow, Zoological Society of India
- Fellow, National Environmentalist Association (2016)

### Professional Experience

- 2011 till date: Professor, Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad 431004.
- 2008-2011: Associate Professor, Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad 431004.
- 1995-2008: Department of Zoology, Ahmednagar College, Ahmednagar
- 1990-1995: Department of Zoology, KTHM College , Nasik

### CURRENT AREA OF RESEARCH

- Innate Immunology and cell signaling mechanism in invertebrates with particular reference to microbes.

- Antimicrobial peptides, Biomolecule isolation, purification and characterization.
- Biomolecular interactions / physicochemical and functional properties of biomolecules.
- Neuro- endocrinology of Invertebrates,

### TEACHING AND RESEARCH WORK SUPERVISED

- 27 years of teaching Experience and
- 30 years of research Experience
- Ph.D. Guide in Zoology : Dr. Babasaheb Ambedkar Marathwada University,
  - Aurangabad
  - Pune University, Pune.
- No of Ph.D. students guided: 07 ( 03 Pune University )
- No of Ph.D. students currently mentoring : 04
- No of MSc dissertation supervised : **105**
- No of M.Sc .students currently mentoring : 03

### MAJOR RESEARCH PROJECTS COMPLETED

- Isolation and characterization of vitellogenin receptors from the oocyte membrane of freshwater crabs, Funded by University Grants Commission, New-Delhi. Completed
- Prophenol Oxidase Activating system and its role in Crustacean Immune system. Funded by Department of Science and Technology, New-Delhi. Completed
- Molecular marking of aquatic fauna from Jayakwadi wetland and impact of Bycatch and other invertebrates on ecology of aquaculture. UGC, New Delhi **(Completed)**

### REVIEWER OF NATIONAL AND INTERNATIONAL JOURNALS :

- *Toxicological Sciences*, Oxford University Press, Oxford
- *Current Science*, Indian Academy of Science, Bangalore
- *Journal of Cereals and Oilseeds*, Academic publications
- *African Journal of Food Sciences*, Academic Publications
- *International Journal of Biochemistry and Bioinformatics* Academic Publications
- *Journal of Traditional Knowledge* CSIR Journal

### POSITION HELD

- Academic Coordinator: Faculty of Science
- PET Coordinator
- SET Coordinator

## COMMITTEES

- Member, Board of University and College Development, Dr Babasaheb Ambedkar Marathwada University, Aurangabad
- University Coordinator , Ph.D Entrance Test 2016
- Vice Chancellor's Subject nominee for CAS in Zoology.
- Member, Board of Studies in Zoology: University of Pune, Pune 2010-2015
- Member, Selection Committee for the award of Research Fellowship in Zoology Under UGC Scheme for meritorious students (2008)
- Chairman, Vocational Biotechnology TY B.Sc University of Pune, Pune
- Secretary, Departmental Committee, (Two Terms) Department of Zoology, Dr BAM University
- Member, Ordinance committee for CAS and Appointment of teaching faculty
- Member, Ordinance committee for M.Phil and Ph.D and recognition of Research Center
- University representative for NAAC committee at St Sawata Mali College Phulambri
- Member Departmental Purchase Committee, Central Facility for Advanced Research and Training, Dr Babasaheb Ambedkar Marathwada University, Aurangabad
- Member, Expert on the expert committee for scrutinizing the CAS proposal of Mumbai University .
- Worked as judge for Science and Technology exhibition as part of National Science Day of University on 28<sup>th</sup> Feb, 2015
- Examiner for assessing M.Phil /Ph.D Theory papers at Shivaji University, Kolhapur (2014).
- Member Ph.D synopsis scrutiny committee of Shivaji University , Kolhapur (2013).
- Expert for evaluation of research proposal under young scientist scheme of DST list.

## SPECIAL RESEARCH TRAINING /WORKSHOP

- Training in “Detection of LMOs” at Central Food Technological Research Institute, Mysore, Jan. 16-20, 2007.
- Training cum work shop on Plant Genomics: DNA sequencing and Data Analyses, held at National Institute for Plant Genome Research, JNU Campus, New-Delhi March, 27-April, 9; 2003.
- Workshop on Environmental Physiology of Aquatic Invertebrates, Department of Zoology Dr. B.A. Marathwada University, Aurangabad Oct. 17-19,1997.
- Refresher course in Quantitative methods of analysis (Life Sciences). Department of Botany, University of Pune, Pune June, 5-2 July 1996.
- Workshop on Biochemistry, P.G.Department of Zoology, KTHM College, Nasik March, 28-30,1993.
- Computers: New-Era in Biosciences, held at RYK/HPT College Nasik and Association of Clinical Biochemists of India (ACBI), Nasik Chapter, Nasik August, 27-28, 1993.
- Work shop on the “Isolation and characterization of different cell types of brain ”at the school of Life Science, University of Hyderabad and Center for Cellular and Molecular Biology (CCMB) sponsored by Neuroscience Society of India - Corporate member of International Brain Research Organization, France Dec.7-19, 1992.

## CONFERENCES ORGANISED -NATIONAL AND INTERNATIONAL

- **Co Convener**, National Conference on Harmony with Nature in Context of Bioresources and Environmental Health, November, 22-25,2015
- **Member**, Organizing Committee, International Conference on Technologies for mitigation of Environmental pollution and their applications in Conservation of Aquatic ecosystem. Held at Department of Zoology. Dr. B.A. Marathwada University, Aurangabad. Dec, 11-13
- **Co-ordinator**, Group Monitoring workshop for Young Scientist awardees in Life Sciences, Department of Science and Technology, Ministry of science and Technology, Government of India at Department of Zoology, Ahmednagar College, Ahmednagar Dec. 29-30, 2000.

- **Convener:** XX Annual Conference of Comparative Animal Physiology and Symposium on “Environment and Human Health” at Aurangabad from 28-30<sup>th</sup> Jan. 1999.
- **Convener:** International workshop cum Seminar on Environment, Medical Ethics and Biodiversity held at Ahmednagar College, Ahmednagar from 13-16 Jan, 1998.
- Member organizing committee: **International workshop cum Seminar on Ethics in Sciences and Medicine.** Jan. 7-8, 1998 at V.M.K.V.Medical College, Salem.
- **Convener:** XVI Annual Conference of Comparative Animal Physiology and Symposium on “Clinical Physiology and Diagnostics ”held at KTHM College, Nasik from 28-30 Oct , 1994.
- **Member** organizing committee: IInd Congress of **Federation of Indian Physiological Societies (FIPS)** Sept. 15-17.S.V.University, Tirupati.

#### CONFERENCES/SESSION CHAIRED

- Chaired as Judge for Best Research paper Presentation at Gulbarga University, Gulbarga November, 3-5,2011.
- Chaired a session at National conference on Present Scenario of environmental pollution and its effect on living organisms at Government College of Arts and Science, Aurangabad,December, 9-11, 2009
- Chaired the session at National conference on recent trends in Biotechnology in context of animal development & Environmental biology, ASC college, Indapur, January 28-30, 2008.
- Chaired the session at XXIIIrd Annual Conference of Indian Society for Comparative Animal Physiology at Department of Zoology, Shivaji University, Kholapur, November, 16-18, 2006
- Chaired the session at XXIIInd Annual Conference of Indian Society for Comparative Animal Physiology at Department of Zoology, Osmania University, Hyderabad, November, 14-16,2005.
- Chaired the session at XXIth Annual Conference of Indian Society for Comparative Animal Physiology at Department of Zoology , S.V. University, Tirupati February, 26-28, 2003.
- January 28<sup>th</sup> –30<sup>th</sup>, 1999: Chaired the session as judge for the best paper presentation for “Prof. K.S. Swami Memorial Award” at XXth Annual

Conference of Indian Society for Comparative Animal Physiology and symposium on Environment and Health held at Department of Environmental Sciences, Dr. B. A. Marathwada University, Aurangabad.

- Chaired a session at the XX Annual Conference of Indian Society for Comparative Animal physiology and symposium on Environment and Health held at Department of Environmental Sciences, Dr. B. A. Marathwada University, Aurangabad, January 28<sup>th</sup> -30<sup>th</sup>, 1999.
- Chaired a session at the XVIII Annual Conference of Indian Society for Comparative Annual Physiology and Chemical Regulatory mechanisms in Invertebrates held at Department of Zoology, S.V. University, Tirupati, Nov, 28-30,1996.
- Chaired a session at the XVI Annual Conference of Indian Society for Comparative Animal Physiology and Symposium on Clinical Physiology and Diagnostics held at Department of Zoology, KTHM College, Nasik. Oct, 28-30,1994:.
- Chaired the session as judge for the best paper presentation for “Prof K.S.Swami Memorial Award” of Indian Society for Comparative Animal Physiology held at Gulbarga University, Gulbarga Dec, 16-18, 1993.

#### **ACADEMIC TRAINING AND WORKSHOP:**

- Revision of M.Sc Syllabus ( Zoology) of University of Pune, Pune at Ahmednagar College, Ahmednagar 2014 .
- Revision of TY.B.Sc (Zoology) curriculum of University of Pune at SSGM College. Kopargaon, 2007
- Refresher course in Life sciences, At Department of Botany, Nagpur University, Nagpur July, 15-4 Aug, 2004.
- Refresher course in Recent advances in Zoology, Department of Zoology. Dr. B.A.Marathwada University, Aurangabad July, 2-30.1998.
- Workshop on Revision and Framing of TY.B.Sc, Zoology Syllabus held at Department of Zoology, Ahmednagar College, Ahmednagar Oct, 24-27,1997.
- Orientation course, Academic Staff College, University of Pune, Pune Jan., 31-27 Feb., 1996.
- Workshop on Revision of Curriculum in Zoology at New Arts, Science and Commerce College, Ahmednagar October, 16,1995.
- Teacher’s training programme under restructured course for Applied Entomology, KTHM College, Nasik March 20-21, 1993.

- Workshop under ‘C’ component for Applied Entomology held at Sangamner College, Sangamner September, 25,1993.

#### **MEMBERSHIP OF SCIENTIFIC BODIES**

- Life member of Indian Society of General and comparative Endocrinology
- Life member of Indian society of Comparative Animal Physiology
- Life member of Zoological society of India
- Life member of Indian Science Congress
- Life member of National Environmentalist Association
- Life member of Neuro chemist Society of India
- Member, International Genetics and Bioethics Network, Japan.
- Member, Asia Pacific Society of Bioinformatics.

#### **OFFICE BEARER.**

- 1999 -2011: Vice President, Indian Society for Comparative Animal Physiology
- 1995-1999: Joint Secretary, Indian Society for Comparative Animal Physiology
- 1996 Founder Trustee: Institute for Research Development in Environment and Rural Health

#### **KEY NOTE ADDRESS**

- Key note address at National Conference on life science research on social relevance at Department of Zoology, Osmania University, Hyderabad, January , 31, 2017.
- Invited talk on BIODIVERSITY CONSERVATION: RESPONSIBILITY OF MANKIND . WILL HE CARE? At at State level seminar on Recent Trends in Zoology” at Department of Zoology, Shri Dyaneshwar college Newasa January, 20, 2017,
- Key note address at State level Seminar on Recent Trends in Biodiversity and Wild life Management, held at Arts Com. Sci. College Satana Dt 16-17<sup>th</sup> December , 2016.
- Invited talk on Food Security at Indian Science Congress at Mysore University January 5<sup>th</sup> 2015
- Invited speaker at National Conference on Interdisciplinary Research, Trends in Life Sciences at RB Attal, Arts , Sciences and Commerce, College, Georai, Dist Beed February, 9-11, 2015.
- Invited Talk at State Level seminar at Arts Commerce and Science college , Nasik on DNA Barcoding January, 12-13, 2015.

- Delivered lecture on Biostatistics, for Pre Ph.D course programme of Department of Zoology , Dr Babasaheb Ambedkar Marathwada Univeristy , Aurangabad
- July, 24 and 25, 2014.
- Delivered a lecture at PVP Loni for UGC –Academic Staff College, University of Pune sponsored Refresher course in Environmental Sciences, October, 15<sup>th</sup>, 2013.
- Invited talk at State level seminar on Biostatistics techniques at Ahmednagar College, Ahmednagar February, 27<sup>th</sup>, 2012.
- Invited Talk Biopeptides/Biologically derived peptides from living resources, North Maharashtra University, Jalgoan Jan , 21-22, 2011.
- Invited talk at state level seminar on Climate changes and interdisciplinary relevance at New Arts Com , Science college , Shevgaon. January, 12-13, 2011
- Guest Lecture **Prawn culture and Diseases** at Arts and Science College, Shevgaon Jan, 13,2010.
- Invited lecture “ Antimicrobial Peptides” at 98<sup>th</sup> Indian Science Congress, Thiruvananthapuram January,5<sup>th</sup> 2010 .
- Lecture on “ **Origin of Life**” at Life science Refresher course at Academic Staff College, Aurangabad January, 14, 2009.
- Plenary lecture on **Potential of Aquaculture with reference to reproduction and immunology**, at National conference on “Recent trends in biotechnology in context of animal development & Environmental biology’ Jan, 28-30, 2008.
- Delivered a lecture on, **Biochemistry to Biotechnology**, September, 30, 2008
- Plenary Lecture on “**Water Conservation**” at State Seminar on Recent Advances in water conservation and water for agriculture .Held at Department of Zoology , MSG.College,Malegaon Camp September,10, 2008.
- Keynote address on “**Quantitative tools in Biology** ” as part of Prof **.B.Y Rao Lecture series** at Department of Food Technology, Laxminarayan Institute of Technology, Nagpur University, Nagpur, September 11, 2004.

## EXAMINATION

- Member : M.Sc Zoology Examination Committee of University of Pune
- Chairman : BSc. Vocational Biotechnology , University of Pune , Pune



- Member , M.Sc Zoology Examination Committee of Osmania University ,Hyderabad.
- Coordinator : MSc Zoology Examination, Dr Babasaheb Ambedkar Marathwada University, Aurangabad.
- Member: Paper Setting RTM Nagpur University, Nagpur.
- Member: Paper Setting Shivaji University, Kolhapur

### CONSULTANCY SERVICES – Honorary

Rendered consultancy / expert advice to food allergens with respect to crustaceans to CSIR laboratory on food safety.

### Publications-47

### CONFERENCE ATTENDED AND PRESENTED PAPERS -107

#### Publications cited in some of the High impact factor / or TOP Journals

Nature Review Neurosciences	: 32s
Ageing Research Review	: 7.526s
Ageing Cell	: 5.76
J of Biological Rhythms	: 4.774
Fish and Shell fish Immunology	: 3.025
Behavioral processes	: 1.533
Plos One	: 3.234
Chronobiology International	: 4.2

#### Books :

Microbial Biotechnology , Vision Publication, Pune **ISBN : 978-93-5016-012-1**

Large scale Manufacture processes, Vision Publication, Pune **ISBN: 978-93-5016-012-1**

Understanding Biostatistics : In Process of Publication