

# Academic Profile of Mohammad Raziuddin

## Curriculum Vitae



### **MOHAMMAD RAZIUDDIN, Ph.D**

Myself, **Mohammad Raziuddin**, born in 1951- an Indian biologist, entomologist, by profession University Professor of Zoology in Vinoba Bhave University Hazaribag, Jharkhand and at present serving as **Pro Vice Chancellor**, Ranchi University, Ranchi. I studied nuero-endocrine system of insects during my doctoral work and novelty in research findings has been cited over the globe in most of the leading text books of nueroendocrinology of the time and by various investigators in their peered publications as well. Since 1973, I have been working in the area of endocrinology and reproductive physiology of insects, environmental science, wildlife, sericulture, cancer biology, genetics, biochemistry, parasite biology and malaria epidemiology. Apart from academic assignments, I have long and active administrative responsibility at various positions in the University since 1996. Since the inception of Vinoba Bhave University at Hazaribag I have been involved in teaching and research-activity related to life science and Public Health with special attention to malaria management. My original contributions and list of publications are reflective of my contribution in life science research.

### Personal Profile

Date of Birth : January 1, 1951  
Citizenship : Indian  
Office address : DR. MOHAMMAD RAZIUDDIN  
PRO VICE CHANCELLOR  
RANCHI UNIVERSITY  
RANCHI, JHARKHAND, INDIA

**Correspondence and Permanent address:** 5, Suleman Colony, Lepo Road, Hazaribag 825 301,  
Jharkhand

**Contact/ Handy Number** : 0651-2207986 (Office), +91-9934190987 (Preferred)

**E-mail** : [mrazi.vbu@gmail.com](mailto:mrazi.vbu@gmail.com)

## **EDUCATION:**

- Undergraduate** : **1970**, B.Sc.Honours; Magadh University, Bodh Gaya, **Zoology (Honours)**, Botany and Chemistry. (*Rank in the University - 2nd.*)
- Postgraduate** : **1972**; **M.Sc. (Zoology)**, Magadh University, Bodh Gaya, Zoology (*Rank in the University: First*).
- Doctoral Training** : Postgraduate Department of Zoology, Magadh University, Thesis Supervisor: Professor S. B. Singh

**RESEARCH EXPERIENCE** : **Total experience – more than 35 years.**

## **PROFESSIONAL EXPERIENCE:**

- PROFESSOR** : **01.09.1993-** continuing
- READER** : **22.12.1986**
- LECTURER** : **01.09.1977**

## **EXPERIENCE OF ACADEMIC ADMINISTRATION: More than 15 years**

- 1 Pro Vice Chancellor, Ranchi University, Ranchi (25.04.2013 – continuing)**
- 2 Proctor, Vinoba Bhave University, Hazaribag (31.08.2009–02.03.2011):  
Total 2yr 4months.**
- 3. Finance Officer, Vinoba Bhave University, Hazaribag (18.06.2010–  
05.12.2010): additional charge: Total more than 5months.**
- 4. Dean, students' Welfare, Vinoba Bhave University, Hazaribag (02.05.2005  
– 29.08. 2007 and 07.01.09 – 14.10.09): Total 2yr 4months.**
- 5. Director, Post Graduate Department of Biotechnology, Vinoba Bhave  
University, Hazaribag. (18.08.2011-27.09.2011): Total over 1month.**
- 6. Head, Post Graduate Department of Zoology, Vinoba Bhave University,  
Hazaribag. (25.01. 2001-06.02.2004 & August, 2008 - 06.01.09): Total 4yr  
6months.**
- 7. Coordinator, College Development Council, Vinoba Bhave University,  
Hazaribag (1996- 2000) – served for two terms. Total 04 yr.**

8. **Registrar**, Vinoba Bhave University, Hazaribag (**Sept. 2000-Oct.2000**)- additional charge: **Total 01month (approx).**
9. **Member, Senate and Syndicate**, Vinoba Bhave University, Hazaribag: **Total 12 yrs.** (approx.)
10. **Member, Academic Council**, V.B.U. (for about 06 years)
11. **Director, Pre-examination Training Centre** (run by the Ministry of Welfare, Government of Bihar), (1994 -1997): **Total 03yr (approx).**
12. **Head, Department of Zoology**, St.Columba's College, Hazaribag (Aug. 1993 - Oct.1996). **Total over 3yr.**
13. **Member, Research Council**, Vinoba Bhave University (1994– continuing), **Total over 17yr.**
14. **Member, Board of Courses of Studies**, Vinoba Bhave University (1994 - continuing). **Total over 17yr.**
15. **Campus Incharge**, Vinoba Bhave University, Oct.2007- January, 2009. **Total over 01 yr.**
16. **University Representative** in Governing Body of PTPS College, Patratu, (VBU) for one term of 01 year.

### **RESEARCH FUNDINGS:**

#### **Completed Projects / Consultancies**

<b>Sl. No.</b>	<b>Title</b>	<b>Agency</b>	<b>Role</b>	<b>Period</b>
1	*Study on Immunomodulatory and inflammatory cytokine TNF- $\alpha$ and TNF- $\alpha$ gene polymorphism in Indian malarial	ICMR, INDIA F/735/2008-ECD-II	Supervisor of a research fellow	2007-2009 (5 Lac)
2	<i>Plasmodium falciparum</i> and <i>Plasmodium vivax</i> Malaria in Low Transmission in INDIA: community detection and clinic diagnosis	New York University, Start-up fund to Dr. Oralee Branch	Mentor of a Fellow in India	2010-2011

\*This proposal describes a three year supervised doctoral program in public health research. It investigates the role of the inflammatory cytokines during malarial infection.

### Ongoing Projects

Sl. No.	Title	Agency	Period	Role	Grant/ Amount Mobilized (Rs Lakh)
1	Genetic Diversity in Merozoite Surface Protein-1 and 2 among <i>Plasmodium falciparum</i> Isolates from Malarious Districts of Tribal Dominant State	UGC, Govt. of India.	2012-2014	Principal Investigator	9.8 Lakh-INR
2.	Investigation on malaria anemia in pregnancy outcomes and its immunomodulatory effect of <i>P.falciparum</i> and <i>P.vivax</i> associated placental malaria among tribal	UGC, Govt. of India	2012-2015	Co-Investigator	13.8 Lakh-INR
3	To investigate the role of human inducible and endothelial nitric oxide synthase promoter polymorphisms during malaria infection among tribal dominant population of Jharkhand	SERC-DST Department of Science & Technology, Govt. of India	2011-2014	Co-Investigator	21.2 Lakh- INR

### Consultancies

Sl.No.	Title	Agency	Role	Period
1	Faunal survey of Hazaribag Wildlife Sanctuary	Forest Dept, Jharkhand	Consultant	2009-10
2	Coleopteran diversity of Hazaribag Wildlife Sanctuary	-do-	-do-	2011

### AWARDS & HONOURS

#### 1. GOLD MEDALS: **FIVE**

- (1) **Magadh University GOLD MEDAL** for securing highest marks in M. Sc. (Zoology) Examination, 1972.
- (2) **Promising Indian Zoologist of the 20th Century GOLD MEDAL** by the Zoological Society of India in 1998.
- (3) **Dr.B.S.Chauhan GOLD MEDAL** by the Zoological Society of India in 2001
- (4) **D.K. Belsare GOLD MEDAL, ZSI, 2008.**
- (5) **Professor E.P. Odum GOLD MEDAL, International Society for Ecological Communications, 2009.**

## **2. FELLOWSHIPS:**

- (1) **Research Fellowship**, U. G. C, India (1975 - 1977)
- (2) **Fellowship** of the Zoological Society of India
- (3) **Fellowship** of the Academy of Zoology, India.
- (4) **Fellowship** of the International Society for Ecological Communications.

## **3. COMMENDATION CERTIFICATE & CASH AWARD FROM GOVT:**

Received Commendation Letter and Cash Award of Rs.10, 000/- from Govt. of Jharkhand on the occasion of 8th foundation day of Jharkhand State (2008).

## **4. OTHER AWARDS:**

1. **Senior Scientist Award** by Madhwi Shyam Educational Trust & ICCB, 2008.
2. **Recognition Award for Excellence in Biodiversity Conservation: INDIA-UNDP Project**, 2010.

## **FIELD OF RESEARCH:**

- ❖ Endocrinology & Reproductive Physiology of Insects,
- ❖ Sericulture,
- ❖ Human malaria,
- ❖ Cancer Biology.
- ❖ Environmental Science & Wildlife.

## **RESEARCH PUBLICATIONS:**

- ❖ PUBLISHED **EIGHTY FOUR** RESEARCH PAPERS in various International and national Research Journals.

## **RECENT REPUBLICATIONS (Papers published during last six years):**

- |      |  |
|------|--|
| 2013 | First breeding record of Lesser adjutant <i>Leptotilus javanicus</i> (Horsfield, 1821) from Jharkhand, India. <i>Bombay Nat. Hist. Soc.</i> (In press).                          |
| 2013 | Record of east Indian Leopard Gecko, <i>Eublepharis hardwickii</i> Gray, 1827 (Squamata: Suaria: Eublepharidae) from Hazaribag, Jharkhand, India. <i>Reptile Rap.</i> (In press) |
| 2013 | Status of vultures in Jharkhand with special reference to Hazaribag (IBA). <i>Misnet</i> , BNHS, Vulture Special Issue. <b>14</b> (1), 4-7.                                      |

- 2013 Investigation on *Plasmodium falciparum* and *Plasmodium vivax* Infection Influencing Host Haematological Factors in Tribal Dominant and Malaria Endemic Population of Jharkhand. *Saudi J. Biol. Sci. (Elsevier)*. **20**, 195-203.
- 2012 Ultrastructure of the corpora cardiaca in the adult *Poeciloceris pictus* (Orthoptera: Pyrgomorphidae) and *Polistes hebraeus* (Hymenoptera: Vespidae). *Columban J. Life Sci.* **13**,
- 2012 Avian diversity of Udhuwa Lake Bird Sanctuary (IBA), Sahibganj, Jharkhand, India *Columban J. Life Sci.* **13**, (In press)
- 2012 A new record of cream coloured morph of *Naja kaouthia* Lesson 1831 (Reptilia: Serpentes: Elapidae) from Hazaribag, Jharkhand, India. *Biodiversity Journal, Italy*. **3**(2): 153-155.
- 2012 Studies on the Lyonet's gland of *Antheraea mylitta* Drury. *J. Insect Sci. USA*. **12**:Article 123. 1-7 pp. **(Impact Factor: 1.014)**
- 2011 Genetic Diversity in Merozoite Surface Protein-1 and 2 among *Plasmodium falciparum* Isolates from Malarious Districts of Tribal Dominant State Jharkhand of India. *Annals of Tropical Medicine and Parasitology*. 105 (8): 579-592. **(Impact Factor: 1.8)**
- 2011 Studies on the nesting habits of Indian giant squirrel *Ratufa indica centralis* 1913 in Dalma wildlife sanctuary, Jharkhand, India. *Columban J Life Sci.* **12** (1&2): 9-18
- 2011 Histological studies on egg development in painted grasshopper, *Poeciloceris pictus* Fabricius (Orthoptera:Acridoidea:Pyrgomorphidae). *Ibid.* **12**(1&2): 55-60
- 2011 Study on host haematological profiles during *Plasmodium vivax* infection in tribal dominant and malaria endemic population of Hazaribag, Jharkhand. *Ibid.* **12**(1&2): 25-30
- 2011 Diversity and abundance of anopheline fauna in Hazaribag, Jharkhand, India. *Ibid.* **12**(1&2): 65-69
- 2010 Sample complexity reduction aids efficient detection of low-abundant Proteins from human amniotic fluid. *J. Sep. Sci.* **33**, 1723-1729. **(Impact Factor: 2.551)**
- 2010 Activities of Blackbuck (*Antelope cervicapra* Linn. 1758) in rainy season: A study in the agricultural pastures of Ganjam District, Orissa, India. *J. Environ. Sociobiol.* **7** (1): 57-64.
- 2010 Sick-cell disease with orthopedic complications is not associated with bone morphogenetic protein 6 gene 567C/G mutation but strongly associated with increased LDH and Uric acid level in Indian patients from Chhattisgarh and Jharkhand states. *Columban J. Life Sci.* **11** (1&2): 41-50.
- 2010 Surface morphology of the common oviduct of *Poeciloceris pictus* Fabricius (Orthoptera:Acridoidea:Pyrgomorphidae). *Ibid* **11** (1&2), 116-117.
- 2009 Proteomics-based approach for identification and purification of human phosphate binding apolipoprotein from amniotic fluid. *Genetics & Molecular Research* .**8**, 929-937.

**(Impact Factor: 0.844)**

- 2009 SEM studies on the oviduct of *Poeciloceris pictus* Fabricius. *Columban J. Life Sci.* **10**, 19-21.
- 2009 Report on snake fauna of Hazaribag district, Jharkhand, India. *Ibid.* **10**, 9-14.
- 2008 Alleles – 308A and – 1031C in the TNF- $\alpha$  gene promoter do not increase the risk but associated with circulating levels of TNF- $\alpha$  and clinical features of vivax malaria in Indian patients. *Molecular Immunology (Elsevier)*. **45**, 1682-1692. **(Impact Factor: 3.202)**
- 2008 Studies on *Anopheles stephensi* var *mysorensis* - Effect of temperature on egg hatching. *Bioscan*. **3**(2), 173-176.
- 2008 SEM studies of spermatheca of a grasshopper, *Poeciloceris pictus* Fabricius (Acridoidea: Pyrgomorphidae). *Biospectra*, **3** (2), 203-208.
- 2008 Oocyte resorption in a pyrgomorphid grasshopper, *Poeciloceris pictus* Fabricius. *Proc. Zool. Soc. India*, **7**(2), 27-39.
- 2008 Surface architecture of egg of pyrgomorphid grasshopper, *Poeciloceris pictus* Fabricius. *Bioscan*, **3** (3), 357 - 360.
- 2008 Agonistic behaviour of Blackbuck - An observation in semi-natural habitat of Ganjam district, Orissa, India. *Zool. Surv. India*, Paper no. 47. pp.299-304.
- 2008 Surface ultrastructural features of the middle silk gland of *Antheraea mylitta* D. (Daba-TV ecorace). *Columban J life Sci.* **9** (1&2), 52 - 56.
- 2007 Decreased Glutathione S-transferase activity: Diagnostic and Protective role in Vivax malaria. *Clinical Biochemistry (Elsevier)*. **40**, 377 - 382. **(Impact Factor: 2.019)**
- 2007 Behavioural patterns of Blackbuck (*Antelope cervicapra* Linn. 1758) in semi-natural habitat of Ganjam district, Orissa, India. *Columban J Life Sci.* **8**, 40-44.
- 2007 Discovery of Deregulation of Zinc homeostasis and its associated genes in Esophageal Squamous Cell carcinoma using cDNA microarray. *International Journal of Cancer*. **120**, 230-242. **(Impact Factor: 4.722)**
- 2007 Esophageal Squamous Cell Carcinoma- Molecular Aspects. *Columban J Life Sci.* **8**, 1-34.
- 2007 Impact of human activity on water quality of a lentic waterbody in Asansol. *Nature Env. & Pol. Tech.* **6** (1), 59-62.

**OTHER PUBLICATIONS IN JOURNALS WITH IMPACT FACTORES: NINE**

**PUBLICATION OF ARTICLES OF GENERAL INTEREST (RECENT):**

- 2014.** *Dushman Nahi Hota Sanp* **Dainik Jagran, (Junior Jagran), 24 February, pp. 10**
- 2014.** *Man Mohta bhi aur Darata bhi Sanp.* **Dainik Jagran, (Junior Jagran), 03 March, pp. 01**
- 2014.** *Vishaile hi Nahin hote Sabhi Sanp.* **Dainik Jagran, (Junior Jagran), 10 March, pp. 10**
- 2014.** *Vish Nahi Hota Dhaman ke Pas.* **Dainik Jagran, (Junior Jagran), 24 March, pp. 12**

- 2013.** AVIFAUNA- BEAUTY OF THE WINGED CREATURES. In “Coffee-Table Book” on the Biodiversity of Jharkhand, Published by Jharkhand Zoo Authority, Setu Printers pp. 41-46
- 2013.** BATS- THE FLYING MAMMALS. Ibid. pp.48-52
- 2013.** VULTURES- THE NATURAL SCAVENGERS. Ibid. pp. 54-60.
- 2013.** SNAKES- THE REPTILES THAT GLIDES. Ibid. pp. 74-78.
- 2013.** FISH- THE SWIMMING DWELLERS OF THE WATERS. Ibid. pp. 88-92.

**CITATION OF RESEARCH WORK:**

Published research papers have been quoted in books/monographs published by foreign and Indian publishers viz,

- ❖ *Anti-locust Bulletin (issue 51)*. Centre for Overseas Pest Research, Great Britain, 1979
- ❖ *Acrida IX*. Association d’acridologie, France (Pub.), 1980
- ❖ *Insect Neurosecretion* by M. Raabe (Plenum Press, New York, London), 1980
- ❖ *Neurohaemal organs of arthropods: Their development, structures & functions*, by A.P. Gupta (Pub.: C C Thomas, USA), 1983
- ❖ *Recent developments in insect neurohormones* by M. Raabe (Plenum Press, New York, London), 1989
- ❖ *Insect Neurobiology: A Bibliography, 1871-1991* by C.H.F.Rowell (Birkhauser Verlag, A. G. Basel, Boston, Berlin), 1993
- ❖ *Advances in Zoology, Environmental degradation & biodiversity*. B.N Pandey & B.K. Singh (eds.) Daya Pub., N. Delhi, 1998
- ❖ *Katydid Reproduction*, USA, 1998
- ❖ *Water Pollution*. By A. Kumar, APH Pub. Corp., N.Delhi, 2004
- ❖ *Advances in Limnology*. By S.R. Mishra, Daya Books, N.Delhi, 20



Large numbers of published papers have also been cited in various peer reviewed research publications

#### GENBANK SUBMISSIONS

08 Nucleotide sequences of MSP-1 and MSP-2 genes of *Plasmodium falciparum* have been submitted in the [Gen Bank Database](#) under accession number HQ821869-72 for MSP-1 and HQ836366-67 for MSP-2.

#### BOOKS PUBLISHED: SEVEN

1. Mohammad Mobasshir Hussain, Mohammad Sohail and M Raziuddin. 2013: **ROLE OF VACCINE CANDIDATE ANTIGEN POLYMORPHISM IN MALARIA**. *Lambert Academic Publishing, Germany*.
2. Mohammad Sohail and Mohammad Raziuddin. 2013: **ROLE OF CYTOKINES IN HUMAN MALARIA**. *Lambert Academic Publishing, Germany*. ISBN 978-3-659-30958-8
3. A.K.Roy Mahato, Ramakrishna and M. Raziuddin. 2010: **Status, Ecology & Behaviour of *Antelope cervicapra* (Linnaeus, 1758) in Proposed Community Reserve for Blackbuck, Ganjam District, Orissa, India.** ( ISBN: 9788181712653) Published by *Zoological Survey of India, Kolkata.2010*, © Govt. of India. Recently reviewed in an International Journal (Mammalia 76 (2012): 231–235).
4. M. Raziuddin and M. K. Singh. 2000: **Degree Zoology**, *Aditya Publications*
5. M. Raziuddin. 1986: **Modern Inter Practical Zoology**, *Kalyani Publishers*, New Delhi.
6. M. Raziuddin and A. Kar,1988: **Plus-Two Practical Zoology**, *Kalyani Publishers*, New Delhi.
7. V. Banerjee, I. K. Ghose and M. Raziuddin, 1988: **Teach Yourself Zoology**, *Bharti Bhawan*, Patna.

#### **BOOK IN PRESS: ONE**

#### CHAPTERS CONTRIBUTED IN BOOKS: TEN

EXPERIENCE OF GUIDING RESEARCH: Supervised **Twenty three** Doctoral Theses

**RESEARCH SCHOLARS WORKING UNDER MY SUPERVISION: FOUR**

**POST DOCTORAL RESEARCH SCIENTIST WORKING/WORDED UNDER MY MENTORSHIP:**

1. **Mohd. Sohail** (deputed from New York University, School of Medicine, USA-PI: Dr Oralee H. Branch) - From Nov.2010.to Nov.2011. on “ *Plasmodium falciparum* and *Plasmodium vivax* Malaria in Low Transmission in INDIA: community detection and clinic diagnosis”
2. **Mohd. Sohail:** Young Scientist- DST, Govt. of India.(2012), Dr. D S Kothari Post Doctoral Fellowship Awardee (2012) and Young International Investigator Awardee from Chinese Academy of Sciences, Govt. of China. (2011-12)
3. **M. Mubassir Hussain:** Research Associate: From May 2012 to September 2012

**SYMPOSIA/SEMINARS ATTENDED:** Attended **Six International** and more than **Forty Five National** Level Symposia/ Seminars.

**INVITED LECTURES DELIVERED:** **FIFTEEN**

**MEMBERSHIP OF LEARNED SOCIETIES:**

1. **Life Member**, Indian Science Congress Association.
2. **Executive Member**, Indian Science Congress Association (1997)
3. **Member**, Society for Invertebrate Reproduction
4. **Member**, Jharkhand Biodiversity Board.(2014- )
5. **Member**, Entomological Society of India.
6. **Ex Member**, Science & Technology Dept, Jharkhand (one term)
7. **President**, Science for Society, Hazaribag.
8. **Academic Co-ordinator**, Science for Society, Jharkhand
9. **Member**, Research Advisory Council, Central Silk Board, Bangaluru.

**OTHER ACADEMIC ACTIVITIES:**

1. Attended *Refresher Course in Modern Zoology* sponsored by the University Grants Commission, New Delhi, 1985 at Ranchi University and adjudged the best participant.
2. Attended *Workshop on Biotechnology* at N.M.K.R.V.College, Bangalore, Sponsored by the University Grants Commission, New Delhi, 1996.
3. **Editor** “*Environmental Crisis and Management*” published by V.B.U.

4. **Editor-in-Chief** of Life Science Journal (Columban J. Life Sciences).
5. **Editor**, Proceedings of Zoological Society of India (2003-2009).
6. Participated in the **UNDP produced documentary film on Biodiversity of Jharkhand**.
7. Participated and supervised in the preparation of PBR of Hazaribag, sponsored by UNDP.