

CURRICULUM VITAE

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EDUCATION

- **Doctor of Philosophy (2002)** in Reproductive Biology, Karnatak University Dharwad, Karnataka, India.
- **Master of Philosophy (1999)** in Reproductive Biology, Karnatak University Dharwad, Karnataka, India.
- **Master of Science (1997)** in Zoology, Karnatak University Dharwad, Karnataka, India.
- **Bachelor of Science (1994)** in Chemistry, Botany and Zoology, Karnatak University, India.

PROFESSIONAL EXPERIENCE

- **DBT-Postdoctoral Fellow in DBT-PDF Programme (2005-2007)**, funded by the Department of Biotechnology, Government of India, New Delhi, at **Department of Molecular Reproduction, Development and Genetics, Indian Institute of Science**, Bangalore, India. **Advisor.** Prof.P.B.Seshagiri.
- **Postdoctoral Research Associate** in Human Genome Project (2002-2004) at **Centre for Human Genetics Lab**, Bangalore, India. **Advisor.** Dr.K.S.Jayaram.

FELLOWSHIP/ AWARDS/RECOGNITIONS

- **Best Oral Presentation and Won the Medal in 2011**
- **Best Poster Presentation and Won the First Prize with Medal in 2010**
- **Member** of the Safety Committee in Indian Institute of Science- **2009 onwards**
- **Member** of the Faculty Association of Indian Institute of Science(**FAIISc**) **2009 onwards**
- **Member** of Scientific and Technical Committee & Editorial Review Board on Biological and Life Sciences of the World Academy of Science, Engineering And Technology (WASET), ISSN International Centre 20, Rue Bachaumont, 75002 Paris, **France-2009 onwards.** www.waset.org
- **Award of Scientist of the Year -2008**
- **Award of DBT Postdoctoral Fellowship (2005 to 2007 under DBT-PDF Program)**
- **Best Poster Presentation and Won the Gold Medal in 2007**
- **Member** of the faculty for conducting the **KVPY, GATE and IISc** entrance examination- **2007 onwards**
- **University Research Studentship (1997 to 1998)**

POSITION HELD

- **Scientific Officer** in Central Animal Facility (CAF), Indian Institute of Science, Bangalore, INDIA-**2007-present**
- **Radiological Safety Officer Level-I** in Indian Institute of Science, Bangalore, INDIA- **2009- present**
- **Assistant Professor** in Department of Genetic Medicine, Co-operative Medical College, Kochi, Kerala, INDIA- **2004.**
- **Lecturer** in Zoology Department, Kittel's Science College, Dharwad, Karnataka, INDIA – **2004.**

Published Research Papers	27 (International & National)
Research Grants	04 (UGC Research Project)
Conference/Seminar/ Workshops Attended	50 (International & National)
Professional Organizations	06 (National)
Conference/ Workshops Co organized	07 (National)
Invited Conference/Workshops/ Course and Seminars	20 (International & National)

TRAINING COURSE

- Trained as a **Radiological Safety Officer Level-I (Ref: IARP/RA-31/2009)** by the Government of India, Atomic Energy Regulatory Board, Bhabha Atomic Research Centre (BARC) at Centre for Training & Certification in Radiological Safety (CT & CRS), Anushaktinagar, Mumbai.

GUIDESHIP

- Recommended as Project Guide(2005-07) and guided students for their M.Phil Programme in Directorate of Distance Education in Zoology from ALAGAPPA UNIVERSITY (Accredited with “A” Grade by NAAC) Karaikudi-630 003 (http://www.alagappauniversity.ac.in/downloads_pdf/M.Phil-Biotech-Guide-new.pdf)

RESEARCH INTEREST

- **Mammalian Gamete Biology:** Early mammalian development with regard to the intra-spermatzoal cell signaling events during capacitation and acrosome reaction which are critical for fertilization.
- **Management of Male (In) Fertility:** Identification of medicinal plants and their active constituents at various levels of in searching and developing male contraceptive drugs for clinical management of infertility by means of phytotherapy approach.
- **Genetic Toxicology:** Identification of potential cytogenetic and genotoxic components from medicinal plants products or their derivatives which induce the kinds of stable chromosomal damage which are thought to be relevant for human health.
- **Environmental Toxicology:** Determination of physicochemical parameters of water on fish metabolism when exposed to toxicants.

SELECTED RECENT PUBLISHED PAPERS

1. Mukhtar Ahmed, Nazeer Ahamed, R **Aladakatti, R.H** and Ghodesawar, M.G. Changes in morphology and ultrastructure of cauda epididymal spermatozoa on treatment with benzene extract of *Ocimum sanctum* leaves in albino rats. *Iranian Journal of Reproductive Medicine*, **2011**; 9, 177-186.
2. **Aladakatti, R.H**, Sukesh, B, Jadaramkunti, U.C and Hiremath, M.B. Aspects of the antiandrogenic/antifertility property of azadirachtin-A from *Azadirachta indica* leaves in male albino rats: Effect on the biochemical and cauda epididymal sperm parameters. *Recent Research in Science and Technology*, **2011**; 3, 34-46.
3. **Aladakatti, R.H**, Sukesh, B, Jadaramkunti, U.C and Hiremath, M.B. Effect of graded doses of nimbolide (a major component of *Azadirachta indica* leaves) on biochemical and sperm functional parameters in male albino rats. *Journal of Laboratory Animal Science*, **2011**; 1, 24-30
4. Mariappa, D.N, **Aladakatti, R.H**, Santosh K.D, Sreekumar, A, Wolkowicz, M, Van der Hoorn F.A and Seshagiri P.B. Inhibition of Tyrosine Phosphorylation of Sperm Flagellar Proteins, Outer Dense Fiber Protein-2 and Tektin-2, is Associated with Impaired Motility during Capacitation of Hamster Spermatozoa *Journal of Molecular Reproduction and Development*, **2010**; 77, 182-193.
5. **Aladakatti, R.H**, Ghodesawar, M.G, Mukhtar Ahmed, and Sannadurgappa, D. Effect of lyophilized *Azadirachta indica* leaf powder on biochemical parameters of testis and epididymis in albino rats. *International Journal of Biological and Chemical Sciences*, **2010**; 6, 75-87.
6. **Aladakatti, R.H**, Mukhtar Ahmed, Nazeer Ahamed, R and Ghodesawar, M.G. Effect of benzene leaf extract of *Ocimum sanctum* on testis and spermatogenic pattern in albino rats. *International Journal of Current Research*, **2010**, 5: 22-29.
7. Mukhtar Ahmed, R Nazeer Ahamed and **Aladakatti, R.H**. Dose dependent effect of benzene extract of *Ocimum sanctum* leaves on cauda epididymal spermatozoa of albino rats. *Oriental Pharm. Exp. Med.* **2009**; 9,339-349.
8. Seshagiri P.B., Santosh D, and **Aladakatti R.H**. Mammalian sperm protein phosphorylation: it's significance during sperm capacitation. In: *The Proceedings of the conference on Recent Advances and Challenges in Reproductive Health Research*. R.S.Sharma, A.Rajanna and M.Rajalaxmi (eds), New Delhi. **2008**; pp 47-58.
9. Seshagiri, P.B., Mariappa, D.N and **Aladakatti, R.H**. Molecular and functional significance of tyrosine phosphorylated proteins in mammalian spermatozoa. *Soc Reprod Fertil Suppl.* **2007**; 63:313-25.
10. **Aladakatti RH** and Nazeer Ahamed R. Ultrastructural changes in Leydig cell and cauda epididymal spermatozoa induced by *Azadirachta indica* leaves in albino rats. *Phytotherapy Research.* **2005**; 19:756-766.