

CURRICULUM VITAE

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EDUCATION:

- B.Sc. (1991-1994)** : Botany, Zoology and Chemistry from Karnatak University, India.
M.Sc. (1995-1997) : Zoology from Karnatak University, Dharwad, Karnataka, India.
M.Phil. (1997-1998): Zoology with specialization of Biology of Reproduction from Karnatak University, Dharwad, Karnataka, India.
Ph.D. (1998-2002) : Zoology with specialization of Biology of Reproduction from Karnatak University, Dharwad, Karnataka, India.

POSTDOCTORAL RESEARCH

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

FELLOWSHIP/AWARDS

- Selected for the **Award of Scientist of the Year -2008** from **National Environmental Science Academy (NESAs)** New-Delhi
- Selected for the **Award of Postdoctoral Fellowship (July2005 to June2007)** under **DBT-PDF** Program, funded by the Department of Biotechnology, Government of India, New-Delhi.
- Selected paper for **Best Poster Presentation and Won the Gold Medal** for.17th Annual Meeting of ISSRF held on **February 19-21, 2007**, New-Delhi-110 029.
- Selected for the **University Research Studentship (URS)** on merit basis (**1997 to 1998**).

POSITIONS HELD

- Since 29th June 2007, serving as a **Scientific Officer** in Central Animal Facility (CAF), Indian Institute of Science, Bangalore. Involved in the smooth running of the CAF for breeding of rodents in research biology, management and supporting staff.
- Worked as an **Assistant Professor** (02-09-2004 to 18-11-2004) in Human Cytogenetic Lab, Department of Genetic Medicine, Co-operative Medical College, Kochi-683503, KERALA (INDIA).
- Worked as a **Lecturer** (05-05-2004 to 31-07-2004) in Zoology Department, Kittel's PUC Science College, Dharwad-580 001, Karnataka (INDIA).

INVITED CONFERENCE/WORKSHOPS/COURSE LECTURES AND GUEST SEMINARS

- 1) *An overview on male fertility Regulation by means of phytotherapy approach.* At “**XXI Annual Conference of National Environmental Science Academy**”, Bangalore University, Bangalore, **December, 2008.**
- 2) *Breeding of Reproduction in Laboratory Animals.* At “**Basic Training course on Laboratory Animal Management**” organized by the Central Animal Facility, Indian Institute of Science, Bangalore, **April, 2008.**
- 3) *Breeding of Laboratory animals And Their Importance in Biomedical research.* At “**Frontiers Lectures Series in Reproductive Biology**” supported by Karnatak Science and Technology Academy, Bangalore and organized by Department of Zoology, Karnatak University, Dharwad, **January, 2008.**
- 4) *An overview on potentiality of medicinal plants as the source of new contraceptive principles.* At “**Frontiers Lectures Series in Reproductive Biology**” supported by Karnatak Science and Technology Academy, Bangalore and organized by Department of Zoology, Karnatak University, Dharwad, **January, 2008.**
- 5) *Breeding of Laboratory Animals.* At “**Orientation course on Animal Care and Use**” organized by the Central Animal Facility, Indian Institute of Science, Bangalore, **September, 2007.**

M.Phil GUIDESHIP

- Recommended as M.Phil. Project Guide 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)

PROFESSIONAL ORGANIZATIONS

- Life Member of Indian Society for the Study of Reproduction and Fertility (**ISSRF**)
- Life Member of Laboratory Animal Scientists Association (**LASA**)
- Life Member of National Environmental Science Academy (**NESA**)
- Member of the Novel Foundation for Science (**NFSCI**)
- Annual member of Society of Reproductive Biology & Comparative Endocrinology (**SRBCE**)

PUBLISHED RESEARCH PAPERS

1. Kamble, R.R, Belgur,S.S, **Aladakatti R.H** and Khazi, I.A. Synthesis and Evaluation of Benzophenone Oximes Derivatized with Sydnone as Inhibitors of Secretory Phospholipase A2 with Anti-inflammatory Activity. *Chem. Pharm. Bull.* **2009**; 57:16-21.
2. 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.
3. Mukhtar Ahmed, Nazeer Ahamed, R and **Aladakatti R.H.** Reversible histoarchitecture study of testis and cauda epididymis and changes in cauda epididymal epithelial cell types on treatment with benzene extract of *Ocimum sanctum* leaves in albino rats, *Oriental Pharm. Exp. Med.* **2008**; 8:111-124.
4. 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.
5. D. Sannadurgappa, N.H. Ravindranath and **Aladakatti, R.H.** Toxicity, bioaccumulation and metabolism of phenol in the freshwater fish *Oreochromis mossambicus*. *J Basic Clin Physiol Pharmacol.* **2007**; 18: 65-77.
6. Sannadurgappa, CD, Ravindranath, N.H and **Aladakatti, R. H.** Effect of Phenol on the Metabolism and Biochemical Composition of the Freshwater Fish *Cyprinus carpio*. *J Basic Clin Physiol Pharmacol.* **2006**; 17: 279-287.
7. Dharwadkar, S. N, Sannadurgappa, D and **Aladakatti, R. H.** Effects of Phenol on Metabolism and Biochemical Composition of Freshwater Fish *Oreochromis mossambicus*, *Bull.Phy.Sci.* **2006**;Vol.II: 33-40
8. **Aladakatti RH** and Nazeer Ahamed R. *Azadirachta indica* A Juss induced changes in spermatogenic pattern in albino rats. *J Nat Remed.* **2006**; 6: 62-72.
9. **Aladakatti RH** and Nazeer Ahamed R. Ultrastructural changes in Leydig cell and cauda epididymal spermatozoa induced by *Azadirachta indica* leaves in albino rats. *Phytother.Res.* **2005**; 19:756-766.
10. Girini M.M, Nazeer Ahamed. R and **Aladakatti. R.H.** Effect of graded doses of *Momordica charantia* seed extract on rats sperm: Scanning Electron Microscope study. *J Basic Clin Physiol Pharmacol.* **2005**; 16: 53-66.
11. **Aladakatti RH** and Nazeer Ahamed. R. Changes in Sertoli cells induced by *Azadirachta indica* A.Juss leaves in albino rats. *J Basic Clin Physiol Pharmacol.* **2005**; 16: 67-80.
12. Ghodesawar MG, Nazeer Ahamed, R, Ahmed AW and **Aladakatti RH.** Ultrastructural changes in cauda epididymal epithelial cell types of *Azadirachta indica* leaf treated rats. *Indian J Exp Biol.* **2004**; 42:1091-5.
13. Ghodesawar MG, Nazeer Ahamed, R, Ahmed AW and **Aladakatti RH.** Ultrastructural changes in prostrate gland and vas deferens induced by *Azadirachta indica* leaves in albino rats. *J Nat Remed.* **2004**; 4: 160-167.
14. Ghodesawar MG, Nazeer Ahamed, R, Ahmed AW and **Aladakatti RH.** *Azadirachta indica* adversely affects sperm parameters and fructose levels in vas deferens fluid of albino rats. *J Basic Clin Physiol Pharmacol.* **2003**; 14:387-95.

15. Kasturi M, Nazeer Ahamed, R, Pathan KM, Manivannan B and **Aladakatti RH**. Ultrastructural changes induced by leaves of *Azadirachta indica* (Neem) in the testis of albino rats. *J Basic Clin Physiol Pharmacol* **2002**; 13:311–328.

16. Ahmed AW, Nazeer Ahamed, R, Ghodesawar MG and **Aladakatti RH**. Reversible antifertility effects of benzene extract of *Ocimum sanctum* on sperm parameters and fructose content in male albino rats. *J Basic Clin Physiol Pharmacol*. **2002**; 13:51-59.

17. **Aladakatti RH**, Nazeer Ahamed, R, Ahmed M and Ghodesawar MG. Sperm parameters changes induced by *Azadirachta indica* in albino rats. *J Basic Clin Physiol Pharmacol*. **2001**; 12: 69–76.

18. **Aladakatti RH**, Nazeer Ahamed, R. Effect of *Azadirachta indica* leaves on rat spermatozoa. *Indian J Exp Biol*. **1999**; 37: 1251–1254.

CONFERENCE/SYMPOSIA/WORKSHOPS ORGANIZED

• 2007

1) Actively involved in organizing committee to conducting and participated in Second National Conference On “**Current Perspectives and Future Challenges in Laboratory Animal Management**” held on **December 29-30, 2007** organized by Laboratory Animal Scientists Association (LASA), Indian Institute of Science, Bangalore and Veterinary College, Bangalore.

CONFERENCE/SEMINAR/WORKSHOPS ATTENDED

• 2009

1) **Aladakatti, R.H**, Mariappa, D.N, Santosh D and Seshagiri P.B “Significance of Head Associated Protein Tyrosine Phosphorylation in Hamster Sperm Capacitation and Acrosome Reaction.” at “**International Conference on Germ Cell development-function & ISSRF 19th Annual Meeting**” held on **January 22-24**, organized by Department of Reproduction, Development and Genetics, Indian Institute of Science, Bangalore, India. **Poster presentation.**

2) **Aladakatti, R.H**, M.B.Hiremath and R.B.Nerli. “Effect of graded doses of Azadirachtin-A on sperm morphology and parameters in albino rats.” at “**International Conference on Germ Cell development-function & ISSRF 19th Annual Meeting**” held on **January 22-24**, organized by Department of Reproduction, Development and Genetics, Indian Institute of Science, Bangalore, India. **Poster presentation.**

• 2008

3) **Aladakatti, R.H**. “An overview on male fertility Regulation by means of phytotherapy approach.” At “**XXI Annual Conference of National Environmental Science Academy**” held in Bangalore University, Bangalore on **December 27-29, 2008**. **Oral presentation.**

4) Attended in the “**National Hypospadias Workshop-2008**” held on **April, 19-20**, organized by KLES Kidney Foundation, KLES Hospital and Medical Research Centre, Belgaum.

5) Actively involved in organizing committee and participated in “**National Seminar on Advances in Stem Cell Research**” held on **March, 29**, organized by Advance Research Institute, Bangalore and in association with KLES Kidney Foundation, KLES Hospital and Medical Research Centre, Belgaum.

6) Actively involved in organizing committee and participated in “**The Ninth Sir Dorabji Tata Symposium on Antimicrobial Resistance**” held on **March, 10-11**, organized by Sir Dorabji Tata Centre for Research in Tropical Diseases and Dept of Microbiology, IISc at NIAS, IISc, Bangalore.

7) Participated in the International Symposium on “**Model Organism and Stem Cell in Development, Regeneration and Disease**” held on **February 23-25** at National Centre for Biological Sciences, TIFR, Bangalore, India.

• 2007

8) Participated in DBT Supported Workshop On “**Human Infertility and Reproductive Disorders**” held on **November 29-30**, conducted and organized by Dr. P.B.Seshagiri, Indian Institute of Science, Bangalore and Dr.Satish Gupta, National Institute of Immunology, New-Delhi.

9) Participated in National Seminar On “**Stem Cell Research And Therapy**” held on **12th May**, organized by Department of Urology, KLES Kidney Foundation, KLES Hospital and Medical Research Centre, Belgaum.

10) Santosh D, Mariappa, D.N, **Aladakatti R.H** and Seshagiri P.B. “Molecular characterization of Tektin-2 and ODF-2 in hamster spermatozoa: Tyrosine phosphorylation and flagellar motility” “**Conference on Recent Advances and Challenges in Reproductive Health Research and 17th Annual Meeting of ISSRF**” held on **February 19-21**, New-Delhi-110 029. *Won the gold medal for best poster presentation.*

• 2006

11) Participated in A Discussion Meeting On “**Setting Up A National Agenda Towards Biosecurity**” held on **November 23-24**, conducted and organized by National Institute of Advanced Studies (NIAS), Indian Institute of Science, Bangalore.

12) **Aladakatti R.H**, Ahmed M and Nazeer Ahamed R “Ultrastructural changes in the rat testis induced by benzene extract of *Ocimum sanctum* leaves.” At “**International Workshop on Environmental Toxicology**” held on **December 2-4**, by National Environmental Science Academy, New-Delhi-110 019. **Oral presentation.**

13) Nazeer Ahamed, R. Kasturi, M and **R.H. Aladakatti** “Changes in histochemical, biochemical parameters and serum level of FSH, LH and Testosterone induced by *Azadirachta indica* A.Juss leaves in male albino Rats.” At the “**Second Asia-Pacific Forum on Androlgy**”, Shanghai, China held on **October 26-30**. **Poster presentation.**

14) **Aladakatti, R.H**, Mariappa, D.N and Seshagiri P.B “Molecular characterization of tyrosine phosphorylated flagellar proteins critical for capacitation in hamster spermatozoa.” at “**International Congress on Gamete Biology: Emerging Frontiers in Fertility and Contraceptive Development**” held on **February 22-25**, New-Delhi and organized by Gamete Antigen Laboratory, National Institute of Immunology, New-Delhi. **Poster presentation.**

15) Seshagiri P.B, Mariappa, D.N and **Aladakatti, R.H** “Tyrosine phosphorylated proteins in mammalian spermatozoa: Molecular and functional aspects” at “**International Congress on Gamete Biology: Emerging Frontiers in Fertility and Contraceptive Development**” held on **February 22-25**, New-Delhi and organized by Gamete Antigen Laboratory, National Institute of Immunology, New-Delhi. **Oral presentation.**

• 2005

16) Mariappa, D.N, **Aladakatti, R.H**, Siva, A.B, Shivaji, S and Seshagiri P.B “Tyrphostin-47 induced circular motility in hamster spermatozoa is associated with hypo-phosphorylation of non-membranous flagellar proteins” at “**International Conference On Male Reproduction And Infertility**” held on **September 16-18**, organized by Department of Reproduction, Development and Genetics, Indian Institute of Science, Bagalore; and Androlgy Forum-India. **Poster presentation.**

17) **Aladakatti, R.H**, Nazeer Ahamed, R and R.R.D’souza “Ultrastructural changes in Leydig cell and cauda epididymal spermatozoa induced by *Azadirachta indica* leaves in albino rats” at “**International Conference On Male Reproduction And Infertility**” held on **September 16-18**, organized by Department of Reproduction, Development and Genetics, Indian Institute of Science, Bangalore; and Androlgy Forum-India. **Poster presentation.**

• 2004

18) Assisted in “**International Workshop On Application Of FISH And Other In Situ Methods In Biology And Medicine**”, **February 1-4**, conducted by Dr. Suresh Jhanwar, Department of Medicine, Memorial Sloan-Kettering Cancer Center and Adjunct Professor, Cornell University Medicine Center, New York & organized by Centre for Human Genetics, Bangalore.

19) Attended the “**Orientation Program In Biology**”, **July 4-5** at Vidyaranya P.U. College, Dharwad.

• 2003

20) Assisted in “**National Workshop On EBV Transformation Of Human B-Lymphocytes**”, **December 18-20**, conducted and organized by Centre for Human Genetics, Bangalore.

• 2002

21) **Aladakatti, R.H** and Nazeer Ahamed, R. “Changes in Sertoli cells induced by *Azadirachta indica* leaves in albino rats”. At “**XV Annual conference of the Academy by National Environmental Science Academy**”, held in New-Delhi-110 019. **Oral presentation.**

22) **Aladakatti, R.H** and Nazeer Ahamed, R. “Ultrastructural changes in Leydig cell induced by *Azadirachta indica* leaves in albino rats” at “**XX National Symposium on Reproductive Biology and Comparative Endocrinology**” held in Bharathidasan University, Tiruchirapalli-620 029. **Oral presentation.**

- **2001**

23) Aladakatti, R.H and Nazeer Ahamed, R. “Sperm parameters changes induced by *Azadirachta indica* in albino rats” at “**National Symposium on trends in Environmental and Evolutionary Biology**” sponsored by the Karnatak University and UGC-SAP-II, New Delhi, held in Karnatak University, Dharwad-580 003. **Poster presentation.**

- **1999**

24) Aladakatti, R.H and Nazeer Ahamed, R. “Effect of *Azadirachta indica* leaves on the rat spermatozoa” at “**National Symposium on Reproduction and comparative Endocrinology**”, held in Karnatak University, Dharwad-580 003. **Oral presentation.**

- **1997**

25) Participated in the “**Tenth One Day Research Methodology Workshop**” organized by the academic staff college at Karnatak University, Dharwad.