

CURRICULUM VITAE

Name : **Dr. KUSUMA L**

Designation : **SCIENTIST B**

Qualification : **M.Sc., Ph.D.**

Subject Specialization : **GENETICS AND MOLECULAR BIOLOGY**

Date of birth : **23.11.1983**

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SILK BOARD, SRIRAMPURA, MYSORE**

Academic qualification

Degree	University / College	Subjects	Year of Passing
Ph. D	University of Mysore	ZOOLOGY	2011
M.Sc	University of Mysore	ZOOLOGY	2006
B.Sc.	University of Mysore	Biochemistry Botany Zoology	2004

Academic Research Experience

- 1. Guest researcher** Oct 16th 2006 to Feb. 6th 2007 at DNA Lab, Anthropological Survey of India, SRC, Mysore. Worked on the project entitled "DNA polymorphism in contemporary Indian Populations".
- 2) Technical assistant** 07.02.2007 to 20.10.2008, DOS in Zoology, Manasagangotri, Mysore (Part time)
- 3) Research Scholar** 20.10.2008 to 20.06.2011, DOS in Zoology, Manasagangotri, Mysore
- 4) Research Associate (CSIR)** 01.04.2013 to 09.09.2014 Department of Studies in Zoology, University of Mysore, Manasagangotri, Mysore.

Research Work Experience

Presently working as SCIENTIST B in Central Silk Board.

International/National conferences / workshops /meeting/training attended

- 1) **Presented a poster** - Genes involved in congenital heart diseases: a review on Aug 29th and 30th, 2007, in National symposium on Recent Trends In Bioscience, PES college, Bangalore.
- 2) **Presented a poster** - Genetic analysis of sporadic forms of patent ductus arteriosus through genome wide SNP analysis in the conference held during Feb 11th to Feb 14th 2008 at Visakapatnam with the theme – Genetics revisited: the genomics and the proteomics advantage
- 3) **Presented a poster** on Human *Nkx2.5*, the homolog of *Drosophila tinman* involvement in congenital heart defects in the Fifth *Drosophila* Meeting held during 28th and 29th March 2008, by the Unit on Evolution and Genetics group of the DOS in Zoology, University of Mysore, Manasagangotri, Mysore – 06.
- 4) **Participated** a National Conference on “Information science and its applications” held during 22nd, 23rd November- 2009, organized by Centre for Information Science and Technology (CIST), University of Mysore, Mysore, India.
- 5) **Presented a poster** in national conference on “Recent trends in animal physiology” held during 29th and 30th October 2009, organized by DOS in Zoology, UOM, Mysore, India entitled “Lower body mass as a potential phenotypic marker in congenital heart disease patients”.
- 6) **Attended a Lecture series** on “Contemporary issues in Biology” held on 3rd to 4th December, 2009, organized by DST – Unit on Evolution and genetics, DOS in Zoology, University of Mysore, Mysore.
- 7) **Attended International consortium** on “50 Years of Down syndrome: Cytogenetics, Clinical Management and New Research” during 12th – 14th November 2010, organized by Centre for Human Genetics, at NIAS, Bangalore.
- 8) **Presented a paper** entitled “Generating an integrated gene-protein and protein-protein network in congenital heart disease” in the two day national seminar on Recent trends in information technology and animation, visual effects and gaming held on 9th and 10th November 2012 (**oral presentation**).
- 9) **Presented a paper** on Influence of Copy Number Variations on miRNA genes in the regulation of pathways and phenotypic expression, in a National symposium on Innovations in science and Technology for inclusive development held during 3rd & 4th January, 2014 organized by University of Mysore and Indian National Science Congress, Bangalore Chapter, Hosted by DOS in Zoology, University of Mysore, Manasagangotri, Mysore-06 (**oral presentation**).
- 10) **Participated** in the inauguration, plenary talks and panel discussion on “*Genetics Today*” held on 10th Oct. 2015 at Department of Genetics and Genomics, University of Mysore, Mysore.
- 11) **Participated** in a national workshop on Innovative Technologies in Sericulture held on 17th –18th Nov 2015 at CSRTI Central Silk Board, Mysore
- 12) **Attended** two day orientation training for Seed officers and Seed analysts at training division, CSR&TI, Mysore from 19th – 20th Nov 2015.
- 13) **Attended** one day Hindi workshop on 10th Dec 2015 at CSRTI, Mysore
- 14) **Attended** 103rd Indian Science congress from 3rd – 7th, Jan 2016 organized by University of Mysore, Mysore
- 15) **Attended** one day Hindi workshop on 9th Feb 2016 at CSRTI, Mysore
- 16) **Participated** in 15 days *Foundation training programme for CSB young Scientists* organized by Capacity Building & Training Division, Central Silk Board from 22nd Feb 2016 to 8th Mar 2016

Awards received

1. UGC-Research fellowship for meritorious Students (2008- 2011)
2. CSIR-RA (2013- 2015)
3. **Best Participant** - *Foundation training Programme for CSB young Scientists* (22.02.2016 – 08.03.2016)

Research publications

Publications	Numbers
Full length Research Papers	: 17
Research Short notes	: 02
Books	: -
Book chapters	: -
Research abstracts	: 07
Popular articles	: -
TV / Radio Programmes	: -

List most important recent five publications

1. **Kusuma L**, Dinesh SM., Savitha MR, Krishnamurthy B., Narayanappa D., Ramachandra NB. **2010**, A maiden report on *CRELD1* Single Nucleotide Polymorphism association in congenital heart disease patients of Mysore, South India. *Genetic Testing and Molecular Biomarkers*, 15 (7-8), 483-487 doi:10.1089/gtmb. **IF= 1.464**
2. **Kusuma L**, Dinesh SM., Savitha MR, Krishnamurthy B., Narayanappa D. Ramachandra NB. **2011**, Mutations of *TFAP2B* in congenital heart disease patients in Mysore, south India. *Indian Journal of Medical Research*. **IF: 1.396**
3. Avinash M V, Megha M, Sangeetha V, **Kusuma L**, Raviraj V S, Somanna A N, Nelchi P, Sangeetha N U, Manjula A S, Dinesh S M, B S Keshava and N B Ramachandra, 2014. Copy Number Variations burden on miRNA genes reveals layers of complexities involved in the regulation of pathways and phenotypic expression. *PLoS ONE* 9(2): e90391. doi:10.1371/journal.pone.0090391 **IF: 3.234**
4. Avinash M Veerappa, **Kusuma Lingaiah**, Sangeetha Vishweswaraiah, Megha Murthy N, Raviraj V Suresh, Dinesh S. Manjegowda and Nallur B. Ramachandra; 2014. Impact of Copy Number Variations Burden on Coding Genome in Humans Using Integrated High Resolution Arrays. *Genetics Research*, 96, e17 doi:10.1017/S0016672314000202. **IF:2.2**
5. Avinash M V, Sangeetha V, **Kusuma L**, Megha MN, Raviraj V S and NB. Ramachandra 2015, "Global spectrum of Copy Number Variations reveals genome organizational plasticity and proposes new migration routes". *PLoS ONE* 10(4): e0121846. doi:10.1371/journal.pone.0121846 **IF:3.234**