

**Name** Dr. C. Amrutha Valli  
**Designation** Associate professor, Genetics and Genomics,  
 University of Mysore, Manasagangotri, Mysore -  
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**Date of Birth** 10-08-1966  
**Address** #9 B-5 Rangarao colony, Ramakrishna Nagar, J  
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**Educational Qualification:**

Sl. No	Degree	University	Year	Class
1	MSc	Bangalore University	1986 - 1988	First Class
2	PhD	Bangalore University	1995	

**PhD Title:** Histomorphological Aspects Neurosecretion In A Brachyuran Crab.

**Teaching Experience:**

SL NO	Department	Position	Year
1	Centre for Information Science and Technology (CIST)	Associate professor	2001 – 2019
2	DOS in Genetics and Genomics	Associate professor	Present

**Specialization:**

Bioinformatics, Genomics and Proteomics and Drug designing

**Publications:**

- Hoskeri, J. H., V. Krishna, and C. Amruthavalli. **"Functional annotation of conserved hypothetical proteins in Rickettsia massiliae MTU5."** Journal of Computer Science & Systems Biology 3.2 (2010): 50-51.
- Dinesh, S. M., Karunakar, P., C. Amruthavalli & Ramachandra, C. A. N. B. (2010). **"Analysis and homology modeling of proteins derived from NKX2. 5 non-synonymous single nucleotide polymorphisms involved in congenital heart disease"**. Nature Sci, 8, 27-38.
- Hoskeri, H. Joy, V. Krishna, and C. Amruthavalli. **"Effects of extracts from lichen Ramalina pacifica against clinically infectious bacteria."** Researcher 2.3 (2010): 81-85.
- Devi, Thangjam Ranjita, C. Amruthavalli, and B. V. Shyamala. **"Evolution of sex comb from the primitive bristle pattern in Drosophila is associated with modification in the developmental regulatory protein dachshund."** genesis 51.2 (2013): 97-109.
- Yadav, V., Mahadevakumar, S., Janardhana, G. R., Amruthavalli, C., & Sreenivasa, M. Y. (2015). **"Molecular detection of Candidatus phytoplasma trifolii associated with little leaf of brinjal from Kerala state of Southern India"**. International Journal of Life Sciences, 9(6), 109-112.

6. Yadav, V., Mahadevakumar, S., Tejaswini, G. S., Shilpa, N., Sreenivasa, M. Y., Amruthavalli, C., & Janardhana, G. R. (2016). **"First report of 16SrII-D phytoplasma associated with eggplant big bud (*Solanum melongena* L.) in India"**. Plant Disease, 100(2), 517.
7. Mahadevakumar, S., Amruthavalli, C., Sridhar, K. R., & Janardhana, G. R. (2017). **"Prevalence, incidence and molecular characterization of *Phomopsis vexans* causing leaf blight and fruit rot disease of brinjal in Karnataka (India)"**. Plant Pathology and Quarantine, 7(1), 41-58.
8. Mahadevakumar, S., Amruthavalli, C., Sridhar, K. R., & Janardhana, G. R. (2017). **"Prevalence, incidence and molecular characterization of *Phomopsis vexans* (*Diaporthe vexans*) causing leaf blight and fruit rot disease of brinjal in Karnataka (India)"**. Plant Pathology and Quarantine, 7(1), 29-46.
9. Nachappa, S. A., Neelambike, S. M., Amruthavalli, C., & Ramachandra, N. B. (2018). **"Detection of first-line drug resistance mutations and drug-protein interaction dynamics from tuberculosis patients in South India"**. Microbial Drug Resistance, 24(4), 377-385.
10. Jagadeesh, D., Kumar, M. P., Amruthavalli, C., & Devaki, N. S. (2020). **"Genetic diversity of *Magnaporthe oryzae*, the blast pathogen of rice in different districts of Karnataka, India determined by simple sequence repeat (SSR) markers"**. Indian Phytopathology, 1-11.
11. Ponnanna, K., DSouza, S. M., Amruthavalli, C., & Ramachandra, N. B. (2020). **"Allopatric sibling species pair *Drosophila nasuta nasuta* and *Drosophila nasuta albomicans* exhibit expression divergence in ovarian transcriptomes"**. Gene, 145189.
12. DSouza, S., Ponnanna, K., Chokkanna, A., & Ramachandra, N. (2020). **"Illumina short-read sequencing data, de novo assembly and annotations of the *Drosophila nasuta nasuta* genome"**. Data in Brief, 106674.

**Books:**

SL NO	Title	Publisher	Details
1	MSc in Biotechnology Self Study material – VIII	Karnataka State Open University	Block – V (Unit 1 to 4)

**Projects:**

**Ongoing Research Projects –**

SL.NO	Title	Agency	Grant/Amount Mobilized (Rs. in lakhs)
1	Multimedia Learning Resource Creation Centre (MLRCC), UPE , CO-PI	UGC	3.50 Crores
2	Studies on the Morphological and molecular variability of Rice Blast pathogen in four main rice growing districts of southern Karnataka. CO-PI	UGC	6,67,600 LAKHS
3	Unraveling the Genome evolution by Whole genome sequencing of <i>Drosophila nasuta nasuta</i> , <i>D.n. albomicans</i> , and laboratory evolved four hybrid strains, Cytoraces. CO-PI	DBT	Approximately 1 crore

**Place :**

**Date :**

**Signature  
Amruthavalli. C**