



# DR. JOELIN JOSEPH

**Assistant professor, Christ Nagar  
college, Maranalloor**

## PROFILE

Sex : Female  
Marital status : Married  
D.O.B : 17-08-1991  
Nationality : Indian  
Area of interest : Bioinformatics,  
Evolutionary genetics, Molecular  
Taxonomy, Phylogenetics

## CONTACT ME



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## EDUCATION

**B.Sc. Zoology(2010-2013)**  
Fatima mata National college, Kollam

**M.Sc. Zoology (2013-2015 )**  
Fatima mata National college,Kollam

**CSIR -JRF(2016)**  
Roll No. 363347 2016, Rank- 98

**Ph.D in Zoology (2017-2023)**  
University College,Palayam  
Thiruvananthapuram.



## RESEARCH EXPERIENCE

- 5 years of research experience in Bioinformatics, Molecular Taxonomy, Cytogenetics and Evolutionary genetics.
- Expertise in Bioinformatic, phylogenetic software (MEGA, BEAST, Mr. Bayes, Mesquite, DNAsp, Network, Alrequin).
- Experience in PCR techniques, cytogenetic techniques, karyotyping, Microbiological assays etc.
- Worked in RGCB as Aspire scholarship (Govt.of Kerala) fellow in Transdisciplinary
- Biology Group

## ➤ TEACHING EXPERIENCE

- 3 years teaching experience in entrance coaching centre
- 4 months teaching experience in college

## ➤ WORKSHOPS ATTENDED

1. Workshop in Molecular Barcoding and Bioinformatics. Amplicon Biolabs September (2018)
2. Cytogenetics FISH workshop Regional Cancer Centre, Thiruvananthapuram, November,(2018)

## ➤ PAPERS PUBLISHED

1. **Joseph, Joelin.**, Sreedharan, Sandeep., Anoop, V. S., George, Sanil., & Antony, M. M (2019). A preliminary investigation on the population genetic structure of *Eetroplus canarensis* day, 1877 of the Western Ghats, India. *Asian Fish Sci*, 32, 190-195.
2. **Joseph, Joelin.**, Sreedharan, S., George, S., & Antony, M. M. (2022). The complete mitochondrial genome of an endemic cichlid *Eetroplus canarensis* from Western Ghats, India (Perciformes: Cichlidae) and molecular phylogenetic analysis. *Molecular Biology Reports*, 49(4), 3033-3044.
3. Sandeep, S., **Joelin, Joseph.**, Sanil, G., & Antony, M. M. (2022). Ontogenetic systematic characterisation of an endemic frog *Rhacophorus malabaricus* Jerdon, 1870 (Anura: Rhacophoridae) from Western Ghats, Kerala, India. *Zoosystema*, 44(6), 159-176.
4. Lekshmipriya, P., Vineethkumar, T. V., **Joseph, Joelin.**, Asha, R., Thomas, S., & George, S. (2021). Synergistic Effect of Frog Skin Antimicrobial Peptides in Combination with Antibiotics Against Multi Host Gram-Negative Pathogens. *International Journal of Peptide Research and Therapeutics*, 27(2), 1529-1540.
5. Santhi, V. V., Antony, M. M., Lopez, L., Vasanthi, L., & **Joseph, Joelin.** (2021). Evolution of ecophenotypic plasticity in Indian Oyster, *Crassostrea madrasensis* (Preston) population from Ashtamudi Lake, Kerala, India. *International Journal of Aquatic Biology*, 9(5), 290-296
6. Sreedharan, S., **Joseph, Joelin.**, George, S., & Antony, M. M. (2020). New distribution record of the Malabar Tree Toad, *Pedostibes tuberculosus* Gunther 1875 (Amphibia: Anura: Bufonidae). *Reptiles & Amphibians*, 26(3), 250-252.
7. Jyothi V., Mano Mohan Antony., **Joelin Joseph** and Sandeep Sreedharan. (2017). Comparative karyotype analysis of some indigenous and exotic cichlid. *International Journal of Current Advanced Research* 6 (1) 7706- 7711.
8. Santhi, V. V. **Joelin Joseph.**, Mano Mohan Antony. (2023). Bioinvasion of *Mytella strigata* (Hanley, 1843) in Ashtamudi Lake, Kerala, India – is pollution aggravating environmental degradation in Ramsar wetland?

## PAPERS PRESENTATIONS

1. Joseph, J., Sreedharan, S., George, S., & Antony, M. M.(2020). Complete mitogenome characterisation of *Etilopius canarensis* an endemic endangered cichlid of Western ghats.International Conference on “Recent Biotechnological Innovation in Aquaculture”27th and 28th February 2020, Bharathiar University. Coimbatore, India. Abstract pp.52
2. Joseph, J., Sreedharan, S., George, S., & Antony, M. M. (2020). First report on the population genetic structure of *Etilopius canarensis*, Western Ghats, India. National Seminar on Biodiversity.21st to 23rd November 2019, University of Kerala, Thiruvananthapuram,India.Abstract pp.64
3. Joelin J., and ManoMohan Antony (2017). The review on the use of nuclear genes in the teleostean phylogeny. *Frontiers in Genomics and Molecular techniques*, March 1-3rd University College, Thiruvananthapuram, Kerala

## DECLARATION

**I hereby declared that the details furnished above are true and correct to the best of my knowledge.**

**JOELIN JOSEPH**