

RESUME

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K.GOBALAN

Assistant Professor,

Dept. of Biotechnology

Jamal Mohamed College,

Tiruchirappalli – 620020.

Designation : Assistant Professor

Educational Qualifications :

	Examination Passed	Year
(i) Bachelor's Degree	B.Sc (Bioinformatics)	2006
(ii) Master's Degree	M.Sc (Bioinformatics)	2009
(iii) Research Degree	M.Phil (Bioinformatics)	2010
(iv) Any other Degree/	PGDCA., D.O.M	2007
(v) Doing	Ph.D	

AREAS OF SPECIALIZATION :

SUBJECTS TAUGHT

1. IN THEORETICAL ASPECTS

- **BIOLOGICAL PAPERS**
- **System Biology**
- **Computational Biology**
- **Cell Biology**
- **Genomics and Proteomics**
- **Molecular Biology**
- **Molecular Modeling and Drug Design**
- **Biological Databases and its Applications, Advanced Bioinformatics,**

2. COMPUTING PAPERS

- **RDBMS and HTML**
- **Database and Relational Database Management Systems**
- **Data Mining and Data Warehousing**
- **Neural Network**

3. HANDS ON EXPER

- a. **RDBMS and HTML Lab**
- b. **C++ With OOPS lab**
- c. **PERL Label**

(I know how to Apply those 3 languages in Biological aspect also)

- d. **Molecular Modeling and Drug Designing ARGUS Lab GCG Lab.**

SOFTWARE EXPOSURE

Platforms	:	Windows, LINUX and UNIX
Programming	:	C,C++ Visual Basic,
Scripting Languages	:	VB script, HTML,
Databases	:	Oracle 8i, Ms –Access,

BIOINFORMATICS TOOLS

Molecular Visualization Software	:	RasMol,Cn 3d,spdbv,argus lab,hex.
Alignment & Editing Tolls	:	BLASTA,FASTA,Clustal package,
Phylogenetic Analysis	:	Clustal X and Clustal W, PHYLIP
Paskages	:	GCG Package, INSEAT II, DISCOVERY STUDIO.
Tolls	:	Gene builder, SOPIMER.
Structural Databases	:	CATH, SCOP, FSSP, PDB,
PDBSUM		
Gene Predication	:	Expasy tools (Homology Modeling) using SPDBV
Multiple Alignment-		
Domain/Motif databases	:	BLOCKS, PRINTS, SBASE and PFAM

Papers Presented in Seminars / Conferences :

- Actively participated in “Technology in Life Science” and presented a paper on, “Nano Biotechnology. AUG 2007 DR.G.R DAMODARAN COLLEGE OF SCIENCE, COIMBATORE.
- Actively participated in “Application of Bioinformatics in the Analysis of Biological data” and presented a paper on **Best research Paper 2st prize and young scientific award** National conference on Advances in Modern Biology and Environment, Dept. of Zoology, HH The Rajah’s Govt. College, Pudukkottai – 62200 17 & 8, February, 2013.
- Actively participated in “Applying of Bioinformatics tools in Biodiversity” and presented a paper on National conference on current challenges in environment, organized by Dept. of Zoology, JMC, and Trichy. March 7th and 8th, 2013.
- Actively participated in “Identification and functional analysis of novel parolin – type peptide 1 isomers from gossipier hirsufum” and presented a paper on national seminar on recent advances in plant science 13th March 2014. Organized by post graduate and research department of botany, Jamal Mohamed College (Autonomous), Trtuchirappalli.

Honors/Awards:

- **“Application of Bioinformatics in the Analysis of Biological data”** and presented a paper on **Best research Paper 2st prize and young scientific award** National conference on Advances in Modern Biology and Environment, Dept. of Zoology, HH The Rajah’s Govt. College, Pudukkottai – 62200 17 & 8, February, 2013.

Details of Seminars / Conferences / Workshops Attended:

- ❖ Attended 2 days National WORKSHOP on “PERSPECTIVES AND FUTURE TRENDS IN BIOLOGICAL SCIENCES” AUG 2006, conducted by Selvam Arts and Science College, Namakkal.
- ❖ Attended 1 days’ WORKSHOP ON NATIONAL SEMINAR ON BIOINFORMATICS MARCH 2005 BHARATHIDASAN UNIVERSITY, TRICHY.
- ❖ Attended 2 days’ WORKSHOP on NATIONAL SEMINAR ON BIOINFORMATICS Feb 2009 BHARATHIDASAN UNIVERSITY.
- ❖ Attended 1 day state level seminar on “bio.sci-k5” Sep 2005 ARIGNAR ANNA GOVT. ARTS COLLEGE Musiri.
- ❖ Attended 1 day state level seminar on “bio.sci-k6” 2006 BHARATHIDASAN UNIVERSITY.
- ❖ Attended 2 day National Workshop on Science Academics Lecture Workshop on “Thrust Areas in Life Sciences” 31st January to 2nd February, 2013. Organized by Dept. of Biotechnology, Cauvery College for Women, Trichy.
- ❖ Attended One day State level seminar on “Emerging Advancements in Biosciences” Department of Microbiology and Biotechnology, Jamal Mohamed College, Trichy – 20 17th March, 2012.
- ❖ Attended 2 day participated in the CSIR Sponsored National Seminar on Frontiers in Biotechnology Nehru Memorial College (Autonomous) Puthanampatti 621 007 8th & 9th August 2013.
- ❖ Attended 2 days’ “Workshop on Protein Separation Technique and Molecular Docking Studies”. PG & Research Department of Biotechnology and Bioinformatics, ‘PRODOCK 2014’ Bishop Heber College, Tiruchirappalli on March 21 and 22, 2014.

- ❖ Attended 3 days participated in the Science Academies Lecture Workshop on “Recent Trends in Biology and Biotechnology”. Organized by P.G & Research Department of Biotechnology, Jamal Mohamed College, Tiruchirappalli on 29th to 31 January, 2014.

Paper Publication:

- **K. Gobalan , S. Ahamed John** PG and Research Department of Biotechnology, Jamal Mohamed College, Trichy 20. 2PG and Research Department of Botany, Jamal Mohamed College, Trichy – 20. *Molecular “Modeling Study and Computer–Aided Drug Design of Peptide Deformylase PDF Inhibitors”*. World Journal of Pharmaceutical Research.

Impact Factor: 5.045

- **K. Gobalan , S. Ahamed John** PG and Research Department of Biotechnology, Jamal Mohamed College, Trichy 20. 2PG and Research Department of Botany, Jamal Mohamed College, Trichy – 20. *“Drug Discovery and Computer Drug Design”* International Journal of Advance Engineering and Research Development.

Impact Factor: 3.134