

## **RESUME**



**Name:** Dr.K.KANNAN

**Designation:** Reader in Zoology

**Date of Birth& Age in Yrs:** 4<sup>th</sup>, March 1955, 54 Yrs.

**Nationality:** Indian

**Marital Status:** Married, 2 Daughters

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## EDUCATIONAL QUALIFICATION

B.Sc	Voorhees College, Vellore	II Class	57%	April.1975
M.Sc	Pachaiyappa's College, Chennai	I Class	61%	April.1977
M.Phil	University of Madras, Chennai	'A' Grade	-	April.1978
Ph.D	University of MadrasChennai	Highly Commended		April.1982

## RESEARCH EXPERIENCE

- JRF-UGC Major project entitled “Defense mechanism of Invertebrates in relation to pathobiology” assigned to Dr.M.H.Ravindranath, Dept.of Zoology, and University Of Madras from 1979 to 1982.
- Research thesis on “Studies on haemolymph calcium concentration in the crab *Scylla serrata* (Forsk) awarded in 1982.
- M.Phil Dissertation on “Studies on calcium levels in the haemolymph of the crab *Scylla serrata* (Forsk) in relation to time of day” awarded in 1978.
- Undergone training in research techniques in various workshops.

## TECHNIQUES EXPERTISED

- Microscopy, Histology, Histochemistry, Micro techniques
- Chromatography – Paper, TLC, GLC
- Electrophoresis – Paper, PAGE, Immunoelectrophoresis, Rocket, DD Electrophoresis
- Blotting Techniques – Southern, Northern, Western
- Molecular Genetics –PCR, Plasmid Extraction, RE digestion, Genomic DNA isolation Ligation, transformation, Cloning strategies
- ELISA – Sandwich
- Biochemical Assays – Carbohydrates, Proteins, Copper, Calcium, Sodium, Potassium, Chloride, Urea
- Computer Programming & applications and Bio informatics Tools.

## TEACHING EXPERIENCE

- ❖ Appointed as **Lecturer** in the Department of Zoology, Ramakrishna Mission Vivekananda College, and Chennai, India on 16-08-1982 and continuing in the same institution as **READER** in the department of Advanced Zoology & Animal Biotechnology
- ❖ Put in 26 years of continuous service in the undergraduate department.
- ❖ Taught research and postgraduate students in the department of zoology, University of Madras, Chennai as UGC Fellow from 1978 to 1982.
- ❖ Trained the students aspiring for IAS (Indian Administrative Services) at Special Training Institute, Pre Examination training Center at Chennai.
- ❖ Taught for the M.Phil Biotechnology & Zoology students in the PCP centers of Bharathidasan University.
- ❖ Guided 4 M.Phil Biotechnology students in the field of Bioinformatics
- ❖ Examined many students for their M.Phil dissertations M.Tech., B.Tech Biotechnology and Bioinformatics students in various universities

## SUBJECTS HANDLED

- Classical Zoology Invertebrata, Chordata, Functional morphology, Phylogeny, Developmental Biology, Physiology, Ecology, Economic Zoology, Applied Zoology, Fishery Biology  
  
Molecular Biology & Genetics, Immunology, Microbiology, Biochemistry Biotechnology.
- Biostatistics, Bio informatics, Computer Programming and Applications. Biomedical Instrumentation

## MEMBERSHIP IN SCIENTIFIC & PROFESSIONAL BODIES

- Society for Comparative Animal Physiology & Biochemistry.
- Ethological Society of India
- Society for Invertebrate reproduction & Comparative endocrinology
- All India Bio Ethics Organization
- Enviro club of Anna University.
- ENVIS Center of Annamalai University.
- Advisor, Viveka Nature Club, Chennai
- Advisor.NCI, WWF-N India.

- Member, Naturequest, Chennai.
- Member, Greenpeace International, India.

**PUBLICATIONS**      Total No. of Publications      5

- Kannan.K & M.H.Ravindranath, 1980.'Changes in calcium-protein association in the haemolymph of crab *Scylla serrata* (Forsk.) during different hours of a day'Experientia (Basel) 36; 965-966.
- Kannan.K (1981) : 'Calcium' in Manual of research methods in Crustacean physiology and biochemistry'Ed.M.H.Ravindranath:Central marine fisheries research institute,Cochin.1981.62-72
- Kannan.K:'Sodium' in ibid. (1981); 74-75.
- Kannan.K 'Chloride' in ibid (1981): 77-78.
- Kannan.K & M.Arumugam:'Coefficient of variation' in ibid.91981): 102.
- Also contributed articles of popular Zoology in the college magazines.

**WORKSHOPS ATTENDED**

- Served as resource person in workshop on 'Crustacean Physiology and biochemistry' conducted by the Dept.of Zoology, University of Madras and CMFRI, Cochin in June 1981.
- COSSIP-ULP Workshop on 'Ecology' conducted by Dept.of Zoology, University of Madras in October 1986.
- COSSIP-ULP Workshop on 'Recent Trends in Cell Biology & Molecular Biology' conducted by Dept.of Zoology, University of Madras in Feb 1995.
- COSSIP-ULP Workshop on 'Computer education for Biologists-A Trans disciplinary approach' conducted by Dept.of Zoology, University of Madras in Sept.1998.
- Workshop on 'Curricular development & examination reforms' conducted by ACTA and Bharathiyar University in 1998.
- COSSIP-ULP Workshop on 'Computer education for Biologists-A Trans disciplinary approach – phase II'conducted by Dept.of Zoology, University of Madras in August 1999.
- Workshop on Laboratory Methods in Biotechnology' conducted Dept.of Biotechnology, D.G.Vaishnava College, Chennai in collaboration with GENEI.P.Ltd, Bangalore on 28-9-2001 & 29-9-2001.
- Organized one day workshop on 'Recent Trends In Culture Techniques 'on 28-2-2004
- Organized one day workshop on Conservation Strategies in Biodiversity on 28-2-2005
- Participated in workshop on 'Alternatives to Dissection' conducted by ICARE & Stella Maris College in Sept.2005

- Conducted Panel Discussion on Tsunami on 5-1-2005 in Vivekananda College.
- Conducted orientation program for Higher secondary school Teachers for the Revised Syllabus. in May,2006.
- Organized one day seminar on Recent trends in biological techniques on 28 – 2 –2008.

### **CONFERENCES/SYMPOSIA/SEMINAR ATTENDED**

- All India Symposium on Animal behavior in Sept.1980 at Dept.of Zoology. University of Madras, Chennai.
- VI All India Symposium on Comparative Physiology & Ecology held at Dept.of Zoology, Pune University in June 1980.
- First All India Symposium on Invertebrate reproduction & Comparative Endocrinology at Dept.of Zoology, University of Madras in July 1980.
- Second National seminar on ‘Inter tidal Marine ecology’ held at Andhra University, Waltair in Feb 1985.
- Eighth All India Conference of Comparative Animal Physiologists & Biochemists’ held at Kalyani University, West Bengal in Dec.1986.
- National seminar on ‘Trends in Molecular Biology & Biotechnology’ conducted by British council, Chennai and Dept.of Zoology, university of Madras, Chennai on 20-8-1998.
- State level Seminar on Biotechnology conducted by Gill Research institute, Gurunanak College Chennai in Oct.1999.
- National symposium on ‘Profiles in aquatic insect Biodiversity’ conducted by LABS of Loyola College, Chennai on 24-7-1999.
- One-Day seminar on ‘Solid waste management’ conducted by LIFE, Loyola College, and Chennai on 10-3-2000.
- National Seminar on ‘Biotechnological & Immunological Strategies For research’ held at Dept.of Zoology, university of Madras, Chennai on 16 and 17 March 2001.
- National Seminar on ‘Problems in Applied ethics’ conducted by Dept.of Philosophy, Vivekananda College, and Chennai on 23-3-2001.
- Served as chair person in National seminar on ENVIROTECH 2003 at JBAS College, Chennai in 2003
- Served as rapporteur in International Conference ‘ECOTECH 2004 held at The New College, Chennai.
- National Conference on ‘Tsunami & Disaster Management’ held at LIFE, Loyola College Chennai in Aug, 2005
- State Level seminar on Biodiversity conducted by Meenakshi College and Ministry of forests and Environment, Govt.of Tamilnadu in Sept, 2005
- State level Seminar on ‘Biotechnology and Immunological methods’ held at Quaide-Milath College For Women in Feb 2006
- National Seminar on Biomedical instrumentation held at BIMS Loyola College Chennai.

- State level Seminar on Biomedical Instrumentation held at Stella Maris College, Chennai on 5-3-2006.
- Conducted orientation programme for school students for National Science Conference for Children in Feb 2007

**Reference:**

**1. Dr.M.H.Ravindranath,**

Director, Division Of Glycolipids,  
John Wayne Cancer Research Institute,  
2200, Santa Monica boulevard,  
Santa Monica, California 90404, USA.

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**2 Dr.M.Arumugam.**

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