# **BIO-DATA**

NAME

: DR.S. RAJASEKARAN

ADDRESS

: PLOT NO 133 -RAJA STREET

"KOTHARI NEST"- KEEZHAKASAKUDY

: CHLORATES ROAD- : KOTTUCHERRYPO -: KARAIKAL - 609 605. INDIA.

DATE OF BIRTH

: 03.10.1958

NATIONALITY

: INDIAN

RELIGION

: HINDU

CASTE/CATEGARY PRESENT POSITION : VISHVABRHAMIN/OBC : LECTURER IN ZOOLOGY

## CURRICULUM VITAE

COURSE	YEAR	INSTITUTION	%MARK	CLASS	3
M.Sc.,	1982	ANNAMALAI UNIVERSITY	1277/1700	I-I RANK	
		ANNAMALAI NAGAR	75%	WITH	DSTN
B.Sc.,	1980	ANNAMALAI UNIVERSITY	1402/2000	I-II RANK	
		ANNAMALAI NAGAR	70%		
PUC	1977	ANNAMALAI UNIVERSITY	418/600	I	
*		ANNAMALAI NAGAR	69%	-	
S.S.L.C.	1976	RCTH SCHOOL	470/600	I	
		CHIDAMBARAM	78%	WITH DSTN	

#### RESEARCH EXPERIENCE

POST-DOCTORIAL

MADRAS UNIVERSITY

1987-89

DE & F

CHENNAI

ANNAMALAI UNIVERSITY

1983-86

PhD (UGC)

ANNAMALAI NAGAR

(1988 Awarded)

## TEACHINING EXPERIENCE

LECTURER	UG	A.A.G.A.COLLEGE	1989 TO 2009
		KARAIKAL	
ASSISTANT PROFESSOR	UG	Dr.S.R.K.G.A.COLLEGE	2009 TO 2014
		YANAM	
Asst. Professor	Tagor	e Arts College	From 01.03.2014
	Puduo	cherry	To 30.11.2015
-DO-	A.A.G.A&SCollege		From 01.12.2015
	Karaik	al	To Till Date

PROJECT SPONSORD : THERMAL POLLUTION

: DEPARTMENT OF ENVIRONMENT

& FOREST: BIO-FILM

: DEPARTMENT OF SCIENCE & : TECHNOLOGY, PUDUCHERRY

WORKSHOP ATTENDED : MEMBRANE BIOLOGY'MADRAS

: SPECIALIST MEET ON BIO-FOULING

: DAE, KALPAKKAM

: WATER QULALITY ASSESSMENT :AVC COLLEGE, MAYILADUTHURAI : BIO-INFORMATICS, PONDICHERRY : BIO-TECHNOLOGY PONDICHERRY : NSS-ORIENTATION, MADRAS

AWARDS HONOURED : Maniketh K.KRISHNAMENON PRIZE

: JAWAHARLAL NEHRU MEMO .FUND

EXAMINERSHIP : UG FROM 1984 ANNAMALAI

: UNIVERSITY

: FROM 1995 AVC COLLEGE : PONDICHERRY UNIVERSITY

: VINAYAKA MISSIONS UNIVERSITY

: BHARATHIYAR UNIVERSITY : PERIYAR UNIVERSITY, SALEM

SKILLED ASSISSTENT : PG 1984 – 1985

: UG 1991 - 1993

TECHNIQUES TRAINED : SEE ANNEXURE

PAPER PRESENTED : SEE ANNEXURE

PAPER PUBLISHED : SEE ANNEXURE

MEMBERSHIP HONOURED : SEE ANNEXURE

EXTRACURRICULAR ACTIVITY : SEE ANNEXURE

REFERNCE QUOTED : SEE ANNEXURE

(DR. S. RAJASEKARAN)

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FAX: 04368-231743---e-MAIL: rajasekaran\_subbu@yahoo.co.in

And subburaj58@gmail.com

- 1983 FIRST ALL INDIA SYMPOSIUM on physiology of insect reproduction, Nagpur. Electrophoretic studies on the glandular and extra-glandular synthesis of proteins in the accessory reproductive gland in Odontopus varicornis.
- 1984 THIRD ORIENTAL ENTOMOLOGY SYMPOSIUM, University of Kerala, Trivandrum. Mobilisation of proteins to the accessory reproductive gland in Odontopus varicornis.
- 1984 THIRD ALL INDIA SYMPOSIUM ON INVERTEBRATE REPRODUCTION, Jamal mohamed college, Trichirapalli. Electrophoretic analysis of proteins in the penial complex of Cryptozona belangeri (Deshayes).
- 1984 THIRD ALL INDIA SYMPOSIUM ON INVERTEBRATE REPRODUCTION, Jamal mohamed college, Trichirapalli. Quantitative study of calcium in the penial complex of Cryptozona belangeri (Deshayes).
- 1984 SIXTH ALL INDIA CONGRESS OF ZOOLOGY, Gwalior. Ultrasonic interferemetric analysis of the role of the lipid in the reproductive physiology of Cryptozona belangeri (Deshayes).
- 1984 SIXTH ALL INDIA CONGRESS OF ZOOLOGY, Gwalior. Bio-chemical analysis
  on the influence of the optic tentacular principle in the reproductive physiology of Cryptozona belangeri
  (Deshayes).
- 1984 INDIAN SCIENCE CONGRESS ASSOCIATION, Calcutta. Histyomorphology and functional role of the capsular gland in the reproductive physiology of Cryptozona belangeri (Deshayes).
- 1984 INDIAN SCIENCE CONGRESS ASSOCIATION, Calcutta. Impact of the insecticide Dimicron on the protein content of the ovary of Sphaerodema molestum (Deshayes).
- 1985 ALL INDIA SYMPOSIUM ON ADVANCES IN LIFE SCIENCES, Beneras Hindu University, Varanasi. Impact of pesticide Lindane on neurotransmitter and calcium influx of Cryptozona belangeri (Deshayes).
- 10 1985 ALL INDIA SYMPOSIUM ON ADVANCES IN LIFE SCIENCES, Banaras Hindu University, Varanasi. Effect of cauterisation on the lipogenesis of Cryptosona belangeri (Deshayes).
- 1985 FIFTH ANNUAL SYMPOSIUM ON REPRODUCTIVE BIOLOGY AND COMPARATIVE ENDOCRINOLOGY, JIPMER, Pondicherry. The effect of ovotestis extracts of Cryptozona belangeri (Deshayes) on the overy, ovidnet and fat body of Rana hexadactyla (Schneider).
- 12. 1985 SECOND INDO-PACIFIC AND FOURTH ALL INDIA SYMPOSIUM OF INVERTEBRATE REPRODUCTION, Presidency college, Madnes. Hormonal regulation on the functional differentation of the caudal gland in Cryptozona belangeri (Deshayes)
- 1985 FIFTY FIRST ANNUAL MEETING OF THE AMERICAN MALACOLOGICAL UNION, KINGSTON, RHODE ISLAND. Influence of the optic tentacular principle on the bio-synthesis of steroids in the ovo-testis of Cryptozona belangeri (Deshayes). American Malacological Bulletin, Vol.64(1),45(1986).
- 14. 1985 Role of synthesis of spermatophore in Cryptozona belangeri (Deshayes) (Mollusca: Gastropoda: Pulmonata). American Malacological Union News. Vol. 16 (2): Nov. 1985.
- 15. 1985 Role of mucous in reproduction. American Malacological Union News. Vol. 17 (1).
   1985.
- 1986 FIFTY SECOND ANNUAL MEETING OF THE AMERICAN MALACOLOGICAL UNION, MONTEREY. Involvement of testosterone in the functional differentiation of the penial complex of Cryptozona belangeri (Deshayes). American Malacological Bulletin, Vol.4(2),(1986).
- 1986 SIXTH ANNUAL SYMPOSIUM ON REPRODUCTIVE BIOLOGY AND COMPARATIVE ENDOCRINOLOGY, Trivendrum. Mode of macromolecular transport between gonad and hepatopancrease in Cryptozona belangeri (Deshryes).

- 1986 NINTH INTERNATIONAL MALACOLOGICAL CONGRESS, EDINBURGH. Environmental influence on the molecular basis of spontaneous sex reversion in Cryptozona belangeri (Deshayes).
- 19. 1986 TWENTY THIRD ANNUAL CONVENTION OF CHEMISTS, Annamalai nagar. Substitution effect of para chloro and para bromo groups in the toxicity of phenyl mercapto acetic acid on the insect Serinatha augur (Hemiptera: Insecta).
- 1987 SEVENTY FOURTH INDIAN SCIENCE CONGRESS ASSOCIATION, Bangalore. A study of interrelationship between the steroid hormone and putative transmitter serotonin in Cryptozona belangeri (Deshayes).
- 1987 ALL INDIA SEMINAR ON ENVIRONMENTAL CONSERVATION, Loyola college, Madras. Effect of organo phosphorous insecticide Phenytrothion on the metamorphosis and diapause of Aspongopus janus (Fabr.).
- 22. 1989 INTERNATIONAL CONGRESS ON CONSERVATION OF ECOLOGY, BHEL, Nagpur. A study on the coastal ecosystem with reference to the operation of nuclear power plant.
- 23. 1989 NATIONAL SEMINAR ON ENVIRONMENTAL IMPACT ASSESSMENT OF COASTAL POWER PLANT, Madras. Hydrographic characters at the intake and outfall of a coastal power station.
- 24. 1989 NATIONAL SEMINAR ON ENVIRONMENTAL IMPACT ASSESSMENT OF COASTAL POWER PLANT, Madras. Primary productivity measurements in the vicinity of a power plant condenser out-fall.

#### MEMBERSHIP HONOURED:

- INTERNATIONAL MALACOLOGICAL SOCIETY
- 2. AMERICAN MALACOLOGICAL UNION
- BIO-CHEMICAL SOCIETY OF LONDON
- 4. INTERNATIONAL SOCIETY FOR INVERTEBRATE REPRODUCTION
- INDIAN CHEMICAL SOCIETY
- INDIAN SCIENCE CONGRESS ASSOCIATION
- SOCIETY FOR REPRODUCTIVE BIOLOGY AND COMPARATIVE ENDOCRINOLOGY

## TECHNIQUES TRAINED:

- ELECTROPHORESIS
- IMMUNOELECTROPHORESIS
- SPECTROMETRY
- 4. HISTOTECHNIQUES
- PHOTOGRAPHY
- SDS SEQUENCING
- CHROMATOGRAPHY
- FLUOROMETRY
- ULTRATOMY
- TISSUE CULTURE
- 11. NUCLEOMAGNETIC RESONANCE
- ELCTRONMICROGRAPHY
- RADIOIMMUNO ASSAY

- Workshop on water quality assessment sponsored by UGC conducted by A.V.C.College, Mayiladuthurai from 24.3.1998 to 26.3.1998
- NSS Orientation conducted by TORC, EGMORE, CHENNAI from December 2<sup>nd</sup> to 11<sup>th</sup>, 1998.
- Workshop on Perspectives in Bioinformatics -conducted by Pondicherry University, Pondicherry from 13.12.1993.
- Epic card Designated Officers Team Leader in Vizhidiyur, Anna College and Neravy on 30.10.1994, 4.12.1994 and 10.1.1995.
- Presiding Officer in both Assembly elections and Parliamentary elections from 1996.
- Special invited lecture on FM AIR, Karaikal on 15.12.1995 and 18.1.1996
- Examiner in theory valuation for Undergraduate Zoology board in Pondicherry University, Pondicherry.
- Examiner in Practical valuation for Undergraduate Zoology board in Pondicherry University, Pondicherry.
- Member of working committee in assisting the college administration
   Like Admission committee, Disciplinary Committee, enquiry and physical verification etc.
  - 10. Guest lecture on Population and Environment on 22, December, 1997.
  - 11. Horizons in Biotechnology by Pondicherry University on March, 1998.
  - 12. Acted as Referee in Regional level Science Exhibition on 6.11.1998.
- √ 13. Refresher course in National Service Scheme, TORC, on 21-25, August, 2000.
- √ 14. Orientation on Aids awareness CACE-Pondicherry University from 19 to 20, March, 2001.
- √ 15. Workshop for NSS Program Officers on 30 and 31, March, 2001
  - Academic Staff College Orientation Program in Pondicherry University from 1.6.2001 to 28.6.2001.
- ↑ 17. Special Orientation for NSS Program Officers in Karaikal on 1.9.2001.

- √ 18. Pre- Republic Day Parade camp for NSS volunteers held at THRC, Perumbalore from 14.9.2001 to 23.9.2001.
- √ 19. National Integration Camp held at SKVP college, Penugonda, AP from 2.12.2001 to 8.12.2001.
- 20. Lions Club of Mango city, Karaikal honoured with shield for best performance as Program Officer of NSS in 2004.
- 21. Rotary club of Karaikal Mid Town honoured with certificate of Merit for best performance as Program Officer of NSS in 2003.
- 23. CACE Training Program on HIV AIDS and Women Rights from 27.2.2004 to 28.2.2004 held at Pondicherry.
- 24. Recognised by Youth Social Welfare Association of Karaikal, Nehrunagar for effective social work activities.
- 25. Orgainsed Special NSS camps on Youth for Hariyali and Youth for water conservation at Keezhakasakudy and Neravy, Koilpathu villages.
- √ 26. Delivered special Lectures on Environment and Strategic war system in NCC CATC camps held at PIPMATE and Anna College, Karaikal.
  - Prepared Biodiversity log book of Karaikal Region by the Directives of Regional Executive Officer Thiru P.Mathew Samuel in the year 2000.
- 28. 2003 A Project on "A Study on the Primary Film of water resources of Karaikal" was sanctioned by DST & E of Government of Pondicherry, Pondicherry- No.10/DSTE/RP/TA/2003/957 dated 7.4.2003
- 29. 2004 National symposium on Recent trends in environment and Biotechnology sponsored by UGC in Department of Zoology and Biochemistry, Autonomous Government college, Kumbakonam from 26 to 28 july, 2004. "A study on the primary film of water resources of Karaikal".

Paper presented on "Relationship among the executive, legislature and judiciary in Indian administration" at two day UGC sponsored National Seminar on the 'ROLE OF LEGISLATURE, EXECUTIVE AND JUDICIARY IN INDIAN DEMOCRACY on 28, 29 July 2011 in Arignar Anna Government Arts College, Karaikal-609 605

Attended Refresher Course on Life Science in Academic Staff College, Pondicherry University, Puducherry from 21.10.2011 to 31.10.2011.

Observer for All India Trade Examinations held at NSCB ITI, Yanam.

Course Co-ordinator for Technical Seminar on ICT sponsored by egovernence society, Puducherry on 17.04.2013

Observer for University examinations conducted in RIT, Yanam

Special lecture in Seminar on Nanotechnology for the Career Development of students at Dr SRK Government Arts Coilege, Yanam on March, 2012.

Impaired lipid peroxidation of liver enzymes and antioxidants status in Lufenuron treated mice Musculus musculus species-C. Deivanayagam, S.Rajasekaran, S. Asokan and K.Suganthy. Advanced Materials processing Characterisation and application-Excel Publishers, New Delhi-PP:81-2013

Toxic effect of Lufenuron in biochemical parameters in serum of treated mice Musculus musculus species-C. Deivanayagam, S.Rajasekaran, S. Asokan and K.Suganthy. Advanced Materials processing Characterisation and application-Excel Publishers, New Delhi-PP:87-2013

Special lecture in UGC-CPE Seminar on Recent advances in Zoology at KMCPGS, Puducherry on March, 2014

The study of lipid peroxidation of liver enzymes and antioxidants status in Lufenuron treated mice Musculus musculus species-C. Deivanayagam, S.Rajasekaran, S. Asokan and K.Suganthy. International Journal of chemtech research Vol. 613-PP:5321-5328-Nov, 2014

Toxic effect of Lufenuron in biochemical parameters in serum of treated mice Musculus musculus species-C. Deivanayagam, S.Rajasekaran, S. Asokan and K.Suganthy. International Journal of chemtech research Vol. 613-PP:5353-5360-Nov, 2014

Planery talk on Innovative teaching Methods in the seminar held at KMCPGS, Puducherry under IQAC on August, 2015 under the topic Quality enhancement in teaching Research and extension as in Higher Learning Institution Problem and Prospects.

Reaccreditation Report 2015 submitted under the chairmanship to NAAC, Bangalore.

UGC interface meeting held at Chennai University, Chennai-2015

- Refresher Course on Life Science held at Academic Staff College, Pondicherry University, Puducherry from 13.08.2008 to 02.09.2008
- Course Co-Ordinator for the conduct of Coaching classes for Higher Secondary Course students attending entrance examinations for professional colleges from 2004
- Observer for conduct of University examinations held at Vinayaga Missions Medical College, Karaikal from 2003
- Observer for conduct of University examinations held at Perunthalaivar Kamarajar College of Education, Karaikal from 2005.
- Observer for conduct of University examinations held at Don Bosco Education College, Karaikal from 2006.
- Observer for conduct of University examinations held at Bharathiyar college for Engineering and Technology, Karaikal from 2004.
- Presiding Officer to conduct the parliamentary elections in the Karaikal constitutncy.
- Presiding Officer to conduct the civic elections in the Karaikal region.
- Presiding Officer to conduct the Assembly elections in the Karaikal region.
- Two days workshop on "the Autonomy for colleges" sponsored by UGC from 10.03.2006 11.03.2006 held at Bharathiyar University, Coimbatore.
- One day Expert committee meeting on the implementation of National Biodiversity Act sponsored by National Bio-Diversity Authority, Chennai on 05.08.2005 held at Hotel Annamalai, Puducherry.
- Resource person to conduct seminar on Techniques and Current trends in Zoology for M.Phil candidates held at Bharathidhasan government college for women, Puducherry and sponsored by Bharathidhasan University, Trichy.

- Chairperson on 16.10.2008 for conducting the Two days National Seminar on Human Health care-current issues and biotechnological approaches held at Annai College for Arts and Science, Kumbakonam.
- Resource person on 04.11.2008 for conducting the three days seminar on awareness on computers to the trainees of District Industrial Center, Karaikal
- √ Resource Person on 18.1.2009 for conducting Cleft Palate camp with Marie M.

  Tolerova, Nutirtive and Preventive Medicine, University of Pacific, San Francisco at Vinayaga Mission Medical College, Karaikal.
  - Resource Person on 18.2.2009 for conducting Instrumentation and techniques for Students Of PAJANCOA, in collaboration with Physics Department, A.A.G.A.College, Karaikal.
  - Represented interuniversity Plan proposal for XI Plan Financial assistance in Madras University.
- State level consultation on Mid termAppraisal of XI five year plan on 23.09.2009 at Hotel Adithi, Puducherry.
  - Attended Refresher course in Life Science in Academic Staff College,
    Pondicherry University, Puducherry from 10.10.2009 to 30.10.2009.
  - Plenary talk presented on Updating Knowledge through website visiting/internet in the two Days UGC sponsored Seminar on the innovative ideas in teaching and learning evaluation process at DR.S.R.K.G.College, Yanam on 16.11.2010.
  - Co-authored a research paper on A study of effect of lufenuron on biochemical parameters in serum of mice mus musculus species in Asian Journal of Science and Technology Vol8,pp. 159-165, December, 2010.
  - Co-authored a research paper on A study of lipid peroxidation, liver enzyme nd

    Antioxidant status in lufenuron treated mice mus musculus species in
    International Journal of Current Research Vol11,pp. 027-033,
    December, 2010.
  - Nodal Officer for Examination automation in Pondicherry University
  - Plenary talk on Perspectives of bionic communication engineering in the Two days technical seminar on Recent trends in wireless communication and networks held on 14.03.2011 and 15.03.2011 at BRPTC, Yanam

Valarmathi. A(2008): Morphology of cephalopharyngeal skeleton along with growth rate of Chrysomya megacephala on isolated diets. M. Phil Dissertation submitted to Periyar University, Salem.

Sivasakthi. A (2008): Vertebrate gonadal extract impact on the neurosecretory cellular differentiation in Cryptozona belangeri (Deshayes), M. Phil Dissertation submitted to Periyar University, Salem.

Elayappan. R (2008): Biochemical studies on the functional differentiation of the male accessory sex organ of Cryptozona belangeri (Deshayes), M. Phil Dissertation submitted to Periyar University, Salem.

Swarnambigai. C (2008): A study on the Influence of the vertebrate gonadal extract on the functional differentiation of the male accessory sex organ of Cryptozona belangeri (Deshayes), M. Phil Dissertation submitted to Periyar University, Salem.

Velmurugan. R (2008): Studies on the maturation of oocytes in a fresh water murrel Channa punctatus (Block), M. Phil Dissertation submitted to Periyar University, Salem.

Ramachandiran. M (2008): Studies on the 3 b hydroxyl steroid dehydrogenase in man using bio-informatics tools, M. Phil Dissertation submitted to Periyar University, Salem.

Indirani. A (2008): Investigations on the efficacy of growth promoter aqua pro as food additive in red gold Caraussius auratus, M. Phil Dissertation submitted to Periyar University, Salem.

Kumar. P (2008): Perspective of the vertebrate gonadal extract on the functional differentiation of the male accessory sex organ of Cryptozona belangeri (Deshayes), M. Phil Dissertation submitted to Periyar University, Salem.

Karunanidhi. M (2008): Study on the tsunami changes on the limnological factors influencing the biodiversity in a pond located on shore Karaikal, M. Phil Dissertation submitted to Periyar University, Salem.

Banumathi. P (2008): A study on the insect male testicular extract on the functional differentiation of the neurosecretory cells of Serignatha augur (Fabr.,), M. Phil Dissertation submitted to Annamalai University, Annamalainagar.

- Resource Person to implement the Awareness on the Importance on
  Environment and its education to school students
  sponsored by CPR Foundation for Environmental
  Education, Chennai, held on 27.02.2008 at Government
  High School, Thiruvettakudi.
- Expert Committee Member for the selection of best exhibit by the school students held at Karaikal sponsored by Government of India, New Delhi.
- Resource person to implement the awareness on Environment Education to the NCC cadets held at Karaikal sponsored by CATC, 2(P) INDEP COY, Puducherry and Chennai from 2005.
- Resource Person to introduce the National Bio-Diversity Authority Act to the PG students in the Karaikal region
- Anandhan.v (2008); A study on the influence of the insect brain extract on the functional differentiation of the prostate gland of mice Mus musculus, M. Phil Dissertation submitted to Periyar University, Salem.
- Subramani. P (2008): Neuroendocrine study of vertebrate gonadal extract on the functional differentiation of the male accessory sex organ of Cryptozona belangeri (Deshayes), M. Phil Dissertation submitted to Periyar University, Salem.
- Susikannan. S (2008): Influence of the vertebrate gonadal extract on the functional differentiation of the penial complex of Cryptozona belangeri (Deshayes), M. Phil Dissertation submitted to Periyar University, Salem.
- Manikannan. J (2008): Effect of the vertebrate gonadal extract on the functional differentiation of the gonad of Cryptozona belangeri (Deshayes), M. Phil Dissertation submitted to Periyar University, Salem.
- Sivamalarvizhi. S (2008): Induction study of the vertebrate gonadal extract on the functional morphology of the male accessory sex organ of Cryptozona semirugata (Deshayes), M. Phil Dissertation submitted to Periyar University, Salem.

Presented key note address on Innovative Teaching Technology held at KMCPGS, Puducherry on August 20-21, 2015 sponsored by IQAC, KMCPGS, Puducherry.

Participated in Two day national workshop on skill development held on March 15-16,2017 at Arignar Anna Government Arts and Science College, Karaikal sponsored by RUSA, PSHEC and DHTE, Puducherry.

Certificate of merit honoured by Rotary club of Karaikal on the occasion of Teachers day on September, 2019 held at Arignar Anna Government Arts and Science College, Karaikal.

Presented key note address on Nanotechnology for the career development of students financed by SSC, New Delhi on March, 13 2012 held at SRK Government Arts College, Yanam

Participated in the seminar Recent advances in Zoology organized by Department of Zoology, KMCPGS, Puducherry on March 25, 2014 sponsored by UGC-CPE seminar

Participated in the seminar on National seminar on the Impact of climate change on Biodiversity held on January 21-22 2012 at Department of Plant Science, KMCPGS, Puducherry.

Presented key note address on food preservation Technology conducted by Department of Hotel Management and Catering Sciences on National Seminar on Food processing storage and adulteration hrld on 11.01.2018 at Sir Isaac Newton Arts and Science College, Pappakoil, Nagapattinam.