

BIO - DATA

NAME : K RAJAN
 DATE OF BIRTH : 05-05-1964
 FATHER'S NAME : (LATE) Mr. J.KILIMAS
 SEX : MALE
 RELIGION : R.C CHRISTIAN
 COMMUNITY : MBC (OBC)
 MARITAL STATUS : MARRIED
 PRESENT ADDRESS : **Associate Professor of Zoology**
 Department Of Botany
 St. Joseph's College
 Tiruchirappalli – 620 002
 PERMANENT ADDRESS : 5-7, Kanakalayam
 Chinnathurai
 Thuthur - POST
 Kanyakumari Dist – 629176

EDUCATIONAL QUALIFICATIONS:

EXAM PASSED	COLLEGE/ INSTITUTION	UNIVERSITY / BOARD	YEAR	CLASS & % OF MARKS	SUBJECTS
B. Sc	St. Jude's College Thuthur	Madurai Kamaraj University	1986	I 66.4	Zoology, Fisheries, Chemistry
M. Sc	St. Xavier's College Palayankottai	-DO-	1988	I 64.5	Cell Biology, Bio Chemistry, Evolution, Ecology, Physiolog, Embrayolgy Genetics, Fresh Water Biology & Dissertation
M. Phil	St. Xavier's College Palayankottai	-DO-	1989	I 68.4	Research Methodology, Aquaculture, Applied Entomolgy& Dissertation.
B. Ed	ICC&CE	-DO-	1991	II	English & Biological Sciences
Certificate Course On Computer	St. Xavier's College Of Education , Palayankottai	Manonmaniyam Sundaranar UniversitY	1992	II	Word Star , D Base, Lotus 1-2-3
Ph. D	St. Xavier's Collge Palayankottai	-DO-	2012	Highly Commanded	Entomology

TITLES OF THE THESES:

- M. Sc : Study on the effect of the salinity on the feeding energetics of common carp *cyprinus carpio*
- M. Phil : Study on the effect of temperature, salinity and size on the respiratory metabolism on major carp *Cirrhinus mrigala*.
- Ph. D : Bioecology and ethology of chosen hematophageous assassin bugs and their medical importance.

RESEARCH EXPERIENCE : 9 YEARS

- i) M.Phil : 1 YEAR (1988 – 1989)
- ii) JUNIOR RESEARCH FELLOW (1990- 1993) : Worked as Junior Research Fellow in the Entomology Research Unit. St. Xavier's College PalayamKottai in UGC sponsored research scheme entitled " Role Of Chosen Assassin Bugs As Biological Control Agents And Vectors " sanctioned to Dr. Dunston .P. Ambrose
- iii) JUNIOR RESEARCH FELLOW (OCT 1994 – JAN 1995) : As Junior Research Fellow in the Entomology Research Unit. St. Xavier's College PalayamKottai in UGC sponsored career award scheme entitled " Conservation, Augmentation And Biocontrol Evaluation Of Three Assassin Bugs" sanctioned to Dr. Dunston .P. Ambrose
- iv) SENIOR RESEARCH FELLOW (1995 – JAN 1998) : As CSIR - Senior Research Fellow in the Entomology Research Unit. St. Xavier's College PalayamKottai.

TEACHING EXPERIENCE

- 1). As a Lecture in Zoology at St. Xavier's College, Palayamkottai for a period of 42 days (08/03/99 to 18/04/99)
- 2). As a Lecture in Zoology at St. Xavier's College, Palayamkottai for a period of 58 days (19/07/99 to 14/09/99)
- 3). As a Assistant Professor of Zoology at St. Joseph's College Tiruchirappalli from 2000 onwards.(18 + years).

AREA OF SPECIALIZATION

: Bioecology, Ecophysiology, Cytology, Histology, Reproductive Biology, Ethology, Biodiversity, Control measures.

FIELD EXPERIENCE IN ENVIRONMENTAL STUDIES:

1. Visited all over the areas of Western ghats and collected data for the chronological analysis of the distribution of Assassins bugs.
2. Analysed the Awareness of haematophagous reduviids in the chosen coastal villages of Kanyakumari District.

IMPROVEMENT OF PROFESSIONAL COMPETENCE:

a) Refresher Course / Orientation Courses attended:

Name of the Training Programme	Name of the University / College / Institution	Duration of Training Programme
Orientation Course	UGC - Academic Staff College Bharathidasan University, Tiruchirappalli	16.08.2002 to 12.09.2002
Refresher Course	UGC - Academic Staff College Bharathidasan University, Tiruchirappalli	15.11.2005 to 5.12.2005
	UGC - Academic Staff College Bharathidasan University, Tiruchirappalli	22.07.2008 to 11.08.2007.

PREPARATION OF RESOURCE MATERIAL INCLUDING, READING MATERIAL, LABORATORY MANUALS ETC.,:

- :i) Prepared Resource material for Allied Zoology I on General Zoology Allied Zoology II on Agricultural Entomology including books reading
- ii) Prepared Resource material for laboratory manuals on General Zoology and Agricultural Entomology
- iii) Question bank for the above subjects

BOOK PUBLISHED

- : i) **A Farmers Hand Book on Pest and Disease Management in Cardamom.** Publisher: Wise Pup International 1st.Edition
ISBN:9789352680702; Year 2017.
- ii) **Sericulture Theory and Practice**
Publisher: Wise Pup International 1st.Edition
ISBN:9789352680703;Year 2019.

AWARDS RECEIVED

- : i) Rev. Dr. J.L. Gnanarathinam SJ
Endowment Cash Award for the best papers published
- ii) College Management Cash Award for book writer, 2018.
- iii) College Management Cash Award for book writer, 2019.

EXTENSION WORK / COMMUNITY SERVICE

- a) Awareness Program , Participating in the village programs of awareness of the use of vermiculture conducted by the SHEPERD Extension department of the college Jul.2008
- b) National Literacy Mission : Participating different village programmes at different occasions organized by the SHEPERD Extension department of the college
- c) Positions held / leadership role played : Serving as co-ordinator in conducting land-to-lab Science Exhibitions conducted by SHEPERD Extension department of the college.Jan.2009.

ACADEMIC MEMBERSHIP OF PROFESSIONAL BODIES:

- i) Member of Board of study in Botany St. Joseph's College Tiruchirappalli
- ii) Member of TDR/WORLD HEALTH ORGANIZATION, Switzerland.
- iii) Member of Bombay Natural History Society, Mumbai.
- iv) Member of Journal of Hornbill, Mumbai
- v) Member of the Journal of Current Science, Bangalore.
- vi) Member of The Indian Science Congress Association, Kolkata.
- vii) Member of the Journal of Insect Environment, Coimbatore
- viii) Member of IAEC (Institutional Animals Ethics Committee) Ministry of Environment, Forest and Climate Change Animal Welfare Division. Gov. of India. Feb. 2018.

PARTICIPATION IN CORPORATE LIFE :

- i) President of the Botany Association (2002-2003 & 2012-2013)
- ii) Internal Examiner for UG and PG in St. Joseph's College, Tiruchirappalli
- iii) External valuation for theory paper in different colleges namely Holy Cross College, Nehru Memorial College, Puthanampatti, Trichy, Bharathidasan University, Tiruchirappalli,
- iv) External Examiner for Practical in different colleges namely Jamal Mohammed College, Tiruchirappalli, Holy

Cross College, Tiruchirappalli, Nehru Memorial College, Puthanampatti

vi) Question setter and Scrutiny for both UG & PG in St. Mary's College (Autonomous) Tuticourin, Jeyaraj Annapackiam College for Women, Periyakulam and PSG College of Arts and Science, Coimbatore, Jamal Mohammed College, Tiruchirappalli, Holy Cross College, Tiruchirappalli, Bharathidasan University, Tiruchirappalli,

vii) Evaluating the Dissertations of M.Phil and M.Sc., students

DETAILS OF SEMINARS / CONFERENCE / WORKSHOP/SYMPOSIUM ORGANIZED :

a) Organizing Secretary of State level Workshop on Mushroom Culture and Vermi Technology organized by the Department of Botany, St. Joseph's College, Tiruchirappalli on 20th Dec. 2004.

b) Member of Organizing and Editorial Committee in the International symposium on Insect Pest Management organized by Entomology Research Unit of St. Xavier's College, Palayamkottai, during 23rd - 25th February, 2011

a) Organizing Secretary of One day Regional level Workshop on Vermiculture Techniques organized by the Department of Botany, St. Joseph's College, Tiruchirappalli on 12th Dec. 2014.

RESOURCE PERSON: (SPECIAL LECTURES / WORKSHOPS / SEMINARS / ASSOCIATION ACTIVITIES/ ALUMNI MEETING)

Type of Programme	Title	Beneficiaries	Days	Date
Extension Programme - SHEPERD	Mushroom Culture Training for Village People of ThuraiKudi	Village People	1	2014-09-23
State Level Workshop on Vermiculture Techniques	Vermiculture Techniques	UG, PG, Research Scholars and Faculties of Biology	1	2014-12-12
Short Term Course for Government Service Exams	Biodiversity	Final Year UG and PG students	1	2014-02-21
Training Programme	Biological Techniques	College Students	1	2015-06-05
Alumini Special Lecture Series @ Dpt of Zoology, St. Jude's College.	Immune Mechanisms in Human	B.sc Zoology Students, St. Jude's College.	1	2016-10-03
IAS Coaching Class	General Biology	UG and PG students	1	2018-02-20
Intercollegiate Competition	Judge in Poster	UG and PG students of	1	2018-

	presentation	intercollegiate		02-09
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AREAS OF CONSULTANCY AND INCOME GENERATED

Organization Name	Consultation Type	Persons Involved	Date	Revenue	Days
St. Joseph`s College	Solid Waste Management	15	2017-02-15	600	13
Joseph Academy of Soft Skills	IAS Coaching class	30	2018-02-20	500	1

RESEARCH PAPERS PUBLISHED:

- 1) Ambrose D.P and **Rajan, K.** 1992. Food requirements of the nymphal instars of *Traiatoma rubrofasciate* De Geer (Hemiptera: Reduviidae). *J. Adv. Zoo.*, 13(102):40-45.
- 2) Ambrose, D.P., Gomathivinayagam and **Rajan .K.** 1992a. Impact of starvation on the postembryonic development and bioenergetics of *Acanthaspis pedestris* Stal (Insecta : Heteroptera: Reduviidae). *Environment & Ecology*, 10(3): 675-681.
- 3) Ambrose, D.P., Tagore, A.A., and **Rajan, K.** 1992b. Impact of decamouflagin on the postembryonic development and bioenergetics of *Acanthaspis pedestris* Stal (Insecta: Heteroptera: Reduviidae). *Environment & Ecology*, 10(3): 654-666.
- 4) Martin, P., Pandian, R.S. and **Rajan, K.** 1994. Oviposition preference of different species of mosquitos with reference to sewage and tap water. *Indian J. Environ. Prot.* 14(12):911 – 914.
- 5) Ambrose, D.P. and **Rajan, K.** 1995a. Impact of Vision of the postembryonic development and bioenergetics of *Rhynocoris marginafus* Fabricius (Insecta : Heteroptera: Reduviidae). *Uttarpradesh J. Zool.*, 15(3): 172 -176.
- 6) Ambrose, D.P. and **Rajan, K.** 1995b. Population dynamics of nine species of reduviids Insecta : Heteroptera: Reduviidae) in Nambigaipuram semiarid Zone, Southern India. *J. Soil Biol. & Ecol.*, 15(1): 72-81.
- 7) **Rajan .K.** and Ambrose D.P 1996 .Population dynamics of three species of reduviids (Insecta : Heteroptera: Reduviidae) in Pechiparai Tropical rainforest, Western Ghats, in *Biological and cultural control of insects pests and Indian scenario* (Ed.) D.P Ambrose, (Adeline Publishers. Tirunelveli) pp. 138-145.
- 8) Claver M.A, **Rajan. K** and Ambrose D.P. 1996. Impact of mass rearing in the postembryonic development of *Rhynocoris kumarii*. Ambrose and Livingstone (Heteroptera: Reduviidae) in *Biological and cultural control of insects pests and Indian scenario* (Ed.) D.P Ambrose, (Adeline Publishers. Tirunelveli) pp. 216 – 219.

- 9) **Rajan .K** and Ambrose D.P 1996 Feeding behavior of *Linshcosteus kali* Lent and Wygodzinsky, a haematophagous Triatomine Assassin bug. *Insect Environment* 1(4): 15-16.
- 10) Ambrose D.P, Prem Mathi Maran. S and **Rajan .K** 1999. Haemogram, changes in the life stages of the assassin bug *Rhynocoris marginatus* Fabricius (Insecta : Heteroptera: Reduviidae) *Shashpa* 6(1): 23-28.
- 11) Patterson J.S., **Rajan, K.**, Ambrose D.P. and Miles M.A. 2001. First record of trypanosomes from the endemic Indian genus of *Triatominae*, *Linshcosteus spe.nov.* *Transactions of the royal society of tropical medicine and hygiene.* 95 :244 – 249.
- 12) Galvao .C, Patterson .J.S Da Silva Rocha. D ., Jurberg J., Carcavallo .R, **Rajan .K** Ambrose D.P and Miles M.A 2002 . A new species of *Triatominae* from TamilNadu, India. *Medical and Veterinary Entomology* 16: 75 -82.
- 13) **Rajan, K.** 2007. Antioxidant characteristic of selected members of Acanthaceae a search. *RETELL* 7(2):114-122.
- 14) Nagarajan, K., **Rajan, K.** and Ambrose D.P. 2010. Functional response of assassin bug , *Rhynocoris fuscipes*(Fabricius) (Heteroptera: Reduviidae) to cucumber leaf folder , *Diaphania indicus* Saunders (Lepidoptera :Pyraustidae). *Entomon* 35(1): 1-7.
- 15) Velmurugan, P., **Rajan, K.** and Kamaraj, M. 2010. Antibacterial activities of leaf extracts of *Clerodendrum inerme*. *J. Ecobiol.* 26(4): 391- 394.
- 16) McConnell M. S., Balasubramani, M., **Rajan, K.**, and Gerald, I.A.J (2010). Evaluation of the larvicidal activity of the leaf extracts of *Duranta erecta* Linn. (Verbenaceae) on the larvae of *Culex quinquefascitatus* (Say) (Culicidae). *Journal of Biopesticides*, 3 (3): 582 – 58.
- 17) Velmurugan, P., **Rajan, K.**, Kamaraj, M. and Prabhu, S. 2011. Phytochemical and Antifungal effects of *Clerodendrum inerme* Leaf Extracts. *J. Trop. Med. Plants* 12 (1): 21-24
- 18) Velmurugan, P., **Rajan, K.** and Kamaraj, M. 2011. Phytochemical constituents and antifungal effects of *Ailanthus excelsa*. *J. Trop. Med. Plants* 12 (1): 25-28
- 19) Jesu rajan, S., Micheal Raja J., Sivarama Krishnan, S., **Rajan, K.** and Ambrose, D.P. 2011. Biology of assassin bug, *Acanthaspis pedestris* Stål (Hemiptera:Reduviidae) on two prey species, *corcyra cephalonica* (stainton) (Lepidoptera: Pyralidae) and *Odontotermes obesus* Rambur (Isoptera: Termitidae)a, in *Insect Pest Management, A Current Scenario*, (Ed.), Dunston P. Ambrose, pp.130-133.
- 20) Micheal Raja, J., Jesu Rajan, S., **Rajan, K.** and Ambrose D.P. 2011. Reduviid (Hemiptera) fauna from Courtallam and Pilavaikal tropical rainforests and Maranthuvazhmalai and Muppanthal scrub jungles, Tamil Nadu, South India, in *Insect Pest Management, A Current Scenario*, (Ed.), Dunston P. Ambrose, pp. 152-161.

- 21) Sivarama Krishnan, S. Jesu Rajan, S., Rajan, **K.** and Ambrose, D.P. 2011. Field record of harpactorine assassin bugs in Tirunelveli District, Tamil Nadu, South India, in *Insect Pest Management, A Current Scenario*, (Ed.), Dunston P. Ambrose, pp. 198-203.
- 22) Arockia lenin, E., Anbarasi, R., Nagarajan, K., **Rajan, K.**, Ganesh kumar, A., and Ambrose, D.P. 2011. Kairomonal ecology of assassin bug, *Rhynocoris kumarii* Ambrose and Livingstone (Hemiptera: Reduviidae) and chosen prey species, in *Insect Pest Management, A Current Scenario*, (Ed.), Dunston P. Ambrose, pp. 326-332.
- 23) Prem Mathi Maran, S. Selvamuthu Kumaraswami, N., **Rajan, K.**, Angeline Kiruba, D. and Ambrose, D.P. 2011. The salivary protein profile and paralytic potential of three species of *Rhynocoris* (Hemiptera: Reduviidae) to three insect pests, in *Insect Pest Management, A Current Scenario*, (Ed.), Dunston P. Ambrose, pp. 346-361.
- 24) Anuradha, A., **Rajan, K.**, Ganesh Kumar, A., Nagarajan, K. and Micheal Raja, J. 2011. Biochemical changes induced by tobacco cutworm, *Spodoptera litura* (f.) in the leaves of *Helianthus annus* (L.) and *Hibiscus esculentus* L. in *Insect Pest Management, A Current Scenario*, (Ed.), Dunston P. Ambrose, pp. 389-391.
- 25) Ganesh kumar, A. ., **Rajan, K.**, Jesu rajan, S. and Ambrose, D.P. 2011. Predatory behaviour of an assassin bug, *Coranus spiniscutis* (Reuter) on rice meal moth, *Corcyra cephalonica* (Stainton) and Leaf armyworm, *Spodoptera litura* (Fabricius), in *Insect Pest Management, A Current Scenario*, (Ed.), Dunston P. Ambrose, pp. 404-408.
- 26) **Rajan, K.**, Mcconnell, M. S., Baskaren, X., Sivarama Krishnan, S. and Jesu rajan, S. (2011). Larvicidal and adult emergence inhibition effects of benne seed, *Sesamum indicum* L. (Pedaliaceae) against mosquito, *Culex quinquefasciatus* (Say), (Diptera: Culicidae) in three water samples *in vitro*, in *Insect Pest Management, A Current Scenario*, (Ed.), Dunston P. Ambrose, pp. 501-504.
27. Baskaran X, Geo Vigila A, **Rajan k** & Jeyachandran R. (2015). Apogamous sporophyte development through spore reproduction of a South Asia's critically endangered fern: *Pteris tripartita* Sw. Asian Pacific Journal of Reproduction 4(2): 135-139.

PARTICIPATION IN SUMMER SCHOOLS, WORKSHOPS, SEMINARS INCLUDING CONFERENCES IN INDIA / ABROAD:

1. Participated in the **National Symposium on Environmental Biology** at St. Xavier's College, Palayankottai, 1987.
2. Participated in the **National Symposium on Behavioral Sciences** at the American College Madurai, 1990.
3. Participated in the **National Seminar and workshop on Environment and Education** held at St. Xavier's College Palayankottai, 1992.
4. Participated in the **Fourth National Symposium on Soil Biology and Ecology**, at Bangalore Feb.1993.
5. Participated in the **workshop on Brain storm session** at V.O.C College Tuticorin, 1994.

6. Participated in the **workshop on Scientific and Technical Writing** V.O.C College , Tuticorin 1995.
7. Participated in the **National Symposium on Biological and Cultural control of Agricultural and Medical Pests** at Entomology Research Unit, St. Xavier's College Palayankottai, 1995.
8. Participated in the **Environmental awareness and protection campaign**, Environ club, at St. Xavier's College Palayankottai, March 1996.
9. Participated in the **National Conference on Aquaculture** at St. Xavier's College Palayankottai, Dec 1996.
10. Participated in the **U.G.C sponsored seminar on Human Rights Education** at St. Xavier's College Palayankottai, Aug 1999.
11. Participated in the **Madurai Jesuit Higher Education Commission (MAJHEC)** lectures meet at Chennai on June 24th and 25th, 2000.
12. Participated in the **National Symposium on Medicinal Plants** at Dept. of Botany. St. Joseph's College Trichy -2 Feb 5th and 6th, 2001.
13. Participated in the **National workshop on Radiochemistry and Application of Radiosotopes** at St. Joseph's College Trichy -2 during March 29 – April 7 2001.
14. Participated in **One Day Seminar on Digital Library** at St. Joseph's College Trichy-2, on 15th February, 2002.
15. Participated in the **National Symposium on Advances in Natural Products Chemistry, NASYANPC 2K2** at St. Joseph's College Trichy -2 on 21st February, 2002.
16. Participated in the **One Day Workshop on Fluorescence Technology** at St. Joseph's College Trichy -2 on 16th February, 2002.
17. Participated in the **Two days workshop on Techniques in Experimental and Clinical Immunology** at St. Joseph's College Trichy -2 on 25th and 26th February, 2004.
18. Participated in the **State Level Workshop on Vermitechnology for Eco-friendly Waste Management** at Kongunadu Arts and Science College, Coimbatore, during 5th – 7th August, 2004.
19. Participated in the **Two Days Workshop on Techniques in Tissue Culture and Histochemistry** at St. Joseph's College Trichy -2 on 6th and 7th September, 2004.
20. Participated in the **one day workshop on Mushroom Culture and Vermi Technology** at St. Joseph's College Trichy -2 on 20th December, 2004.
21. Participated in the **National Seminar on Recent Trends in Applied Chemistry**, at St. Joseph's College Trichy -2 on 10th and 11th January, 2005.
22. Participated in the **National Seminar on Advances in Biology** at St. Joseph's College Trichy -2 on 19th and 20th January, 2005.
23. Participated in the **National Seminar on Digitalised Information Exchange for Quality Sustenance and Enhancement among Accredited Institutions** at St. Joseph's College Trichy -2 on 3rd and 4th March, 2005.
24. Participated in the **Workshop on Animal Alternatives** at A.V.C. College(Autonomous), Mayiladuthurai – 309 on 15th March, 2005.
25. Participated in the **State Level Seminar on Recent Trends in Microbiology** at Kurinji College of Arts and Science, Trichy – 2 on 3rd February, 2006.
26. Participated in the **UGC sponsored Seminar on AIDS-TB Pandemic –Global Perspectives** at Bharathidasan University, Trichy-24 on 28th February, 2006.
27. Participated in the **Seminar on Recent Trends in Zoology** at Jamal Mohamed College Trichy -20 on 1st March, 2006.

28. Participated in the **Workshop on Patent Awareness** at St. Joseph's College Trichy -2 on 7th April, 2006.
29. Participated in the **UGC Sponsored National Level Seminar on Emerging Trends in Life Sciences 2006** at Bishop Heber College (Autonomous) Trichy -17 during 24th and 25th August, 2006.
30. Participated in the **One Day National Seminar on Thrust Areas in Biotechnology** held at Bishop Heber College (Autonomous) Trichy -17 on 19th September, 2006.
31. Participated in the **Regional Conference on the Fern Diversity of India** conducted by the Centre for Biodiversity and Biotechnology held at St. Joseph's College Trichy -2 on 24th February, 2007.
32. Participated in the **UGC Sponsored Regional Seminar on Recent Trends in Biotechnology and its Role in Utilization of Biodiversity** held at Jamal Mohamed College (Autonomous) Trichy -20 on 5th and 6th March, 2007.
33. Participated in the **State Level Seminar on Emerging Scenario on Global Warming** held at Fathima College (Autonomous) Madurai-18 on 19th January, 2008.
34. Participated in the **National Work Shop on "Applications of Radiation and Radio Isotopes (NWARRI-2008)** jointly organized by the Dept. of Physics, St. Joseph's College Trichy – 2 and IANCAS, IGCAR, Kalpakkam on 15th and 16th February, 2008
35. Participated in the **Technical Update Seminar on Cutting Edge Molecular Techniques** organized by eppendorf held at St. Joseph's College (Autonomous), Trichy -2 on 27th February, 2008.
36. Participated in the **UGC sponsored National Conference on Higher Education and National Development: The Challenge of Expansion, Quality and Inclusion** held at St. Joseph's College Trichy -2 on 30th and 31st January, 2009.
37. Participated in the **2nd Biopesticide International Conference (BIOCICON – 2009)** held at St. Xavier's College Palayamkottai -2 during 26th to 28th November, 2009.
38. Participated in the **97th Indian Science Congress** held Kerala University, Thiruvananthapuram during 3rd to 7th January, 2010.
39. Participated in the **Two Days State Level Workshop on Electrophoretic and Immunological Techniques** held at St. Joseph's College Trichy -2 on 18th and 19th February, 2010.
40. Participated in the **International Symposium on Insect Pest Management** held at St. Xavier's College (Autonomous), Palayamkottai-2 during 23rd to 25th February, 2011.
41. Participated in the **XXVI Statutory Conference and The UGC Sponsored National Seminar on Recent Initiatives in Higher Education and their Impact on equity and Excellence** held at C.S.I. Community Hall, Kanyakumari, during 20th to 22nd October, 2011.
42. Participated in the **UGC Sponsored National Seminar on Recent Initiatives in Higher Education and their Impact on Equity and Excellence** organized by AIFUCTO and S.T.Hindu College Nagercoil held at C.S.I. Community Hall, Kanyakumari, during 21st October, 2011.
43. Participated in the **3rd Biopesticide International Conference (BIOCICON – 2011)** organized by CPRC, St. Xavier's College, and Centre for Plant Protection Studies, TNAU, Coimbatore, held at St. Xavier's College Palayamkottai -2 during 28th to 30th November, 2011.
44. Participated in the **DST & TNSCST sponsored Research Awareness Programme** held at Entomology Research Unit, St. Xavier's College Palayamkottai -2 on 9th March, 2012.

45. Participated in the **One Day State Level Workshop on Histopathological Techniques (HITECH '12)** held at St. Joseph's College Trichy -2. on 28th September, 2012.
46. Participated in the **Regional Workshop on Histochemistry** held at St. Joseph's College Trichy -2 on 18th October, 2012.
47. Participated in the **National Conference on Vulnerabilities and Adaptations of Fauna and Flora to Rapidly Changing Environment (Convaffe '12)** held at St. Andrew's College Gorakhpur, UP, India during 21st and 22nd November, 2012.
48. Participated in the **One Day State Level Workshop on Mushroom Cultivation** held at St. Joseph's College Trichy -2 on 18th December, 2012.
49. Participated in the **International Conference on Sustainable Utilization, Management and Conservation of Bioresources (ICSMCB-2013)** held at St. Joseph's College Trichy -2 during 10th and 11th January, 2013.
50. Participated in the Fr. S Lazar Endowment Lecture Department of Library, ARRUPPE Library, St. Joseph's College, Tiruchirappalli on 8th Feb..2014.
51. Participated in the Workshop on Plant Taxonomy Key Preparation held at St. Joseph's College Trichy -2 on 26th Oct. 2014.
52. Participated in the One day Regional level Workshop on Vermiculture Techniques organized by the Department of Botany, St. Joseph's College, Tiruchirappalli on 12th Dec.2014.
53. Participated in the State Level Workshop on Plant Tissue Culture Techniques organized by the Department of Botany, St. Joseph's College, Tiruchirappalli on 22nd Dec.2014.
54. Participated in the National Seminar on Prospects and Challenges of Stem Cell Research organized by the Department of Botany, St. Joseph's College, Tiruchirappalli on 12th Jan..2015
55. Participated in the National Seminar on Clinical Research organized by the Department of Biochemistry, St. Joseph's College, Tiruchirappalli on 21st Jan. 2015.
56. Participated in the Science Academies Lecture Workshop on Vistas in Biosciences organized by the Department of Botany, St. Joseph's College, Tiruchirappalli on 30th Jan..2015
57. Participated in the National Symposium on Recent Advances in Medicinal and Aromatic Plants (NASYMP-15) organized by the Department of Botany, St. Joseph's College, Tiruchirappalli on 5th Feb.2015.
58. Participated in the Dr. V. Balakrishnan Memorial CME Programme organized by the Department of Biotechnology, St. Joseph's college Tiruchirappalli on 5th Mar.2015.
59. Participated in the seminar on Higher Education in New Education Policy - Challenges & Prospectus organized by JAC Tamil Sangam Hall, Tiruchirappalli, Tamil Nadu, India. On 3rd Dec.2015.
60. Participated in the International Scientist Meet organized by the Department of Biotechnology, St. Joseph's college Tiruchirappalli on 15th Dec.2015.
61. Participated in the International Conference on Frontiers in Life Science (ICFLS-2016) organized by the Department of Botany St. Joseph's College, Tiruchirappalli on 7th Jan..2016
62. Participated in the seminar on Nanoscience and Technology organized by the Department of Botany St. Joseph's College, Tiruchirappalli on 20th Jan.2016.
63. Participated in the Digital visibility of productivity: Institutions and Individuals Arrupe Library, St. Joseph's College, Tiruchirappalli on 30th Jan..2016
64. Participated in the State Level Workshop on Plant Tissue Culture Techniques organized by the Department of Botany St. Joseph's College, Tiruchirappalli on 3rd Feb.2016.
65. Participated in the National Level Science Academies. Lecture Workshop on Bioprospecting and Bioresources (BIBIO-2016) organized by the Department of Botany, St. Joseph's College, Tiruchirappalli on 10th Feb.2016.

66. Participated in the seminar on Bio-Informatics: Challenges & Applications organized by the Department of Botany St. Joseph's College, Tiruchirappalli on 15th Feb.2016.
67. Participated in the seminar on Right and Duties, held at AUT St. Joseph's College branch Trichy , on 2nd mar. 2016
68. Participated in the seminar on FRONTIERS IN BIOLOGICAL SCIENCES (ISFBS`16) organized by the Department of biochemistry & biotechnology, St. Joseph`s College.on 16th Dec. 2016
69. Participated in the seminar on Global Food Security and the Role of Biotechnology in Sustainable Food Systems And Nutrition. organized by the Department of biotechnology, St. Joseph`s College.on 5th Jan. 2017
70. Participated in the Workshop on Plant Tissue Culture Techniques organized by the Department of Botany St. Joseph's College, Tiruchirappalli on 8th Feb.2017.
71. Participated in the Symposium on Medicinal And Aromatic Plants (NASYMP`17) organized by the Department of Botany, Biochemistry & Biotechnology, St. Joseph`s College.on 15th Feb.2017.
72. Participated in the conference on Novel Technologies on Natural Products For Mosquito And Disease Control organized by the Department of Biological sciences, K.S. Rangasamy College of Arts and Science (Autonomous) Tiruchengode-15.on 23rd Feb.2017
73. Participated in the Workshop on new vistas in biodiversity and bioresources organized by the Department of Botany St. Joseph's College, Tiruchirappalli on 2nd Aug.2017.
74. Participated in the International Zoology Congress 2018 organized by the PG and Research Department of Zoology, St. Xavier`s College, Palayamkottai on 10th Jan. 2018.
75. Participated in the International Colloquia on Bionanomaterials and Bionanotechnology. organized by the Department of Biochemistry, St. Joseph`s College on 8th Feb. 2018
76. Participated in the seminar on Advances in Animal Science for sustainableDevelopment (AASSD-2018) organized by the PG and Research Department of Zoology, Jamal Mohamed College Tiruchirappalli - 2, Tamil Nadu on 15th Feb.2018.
77. Participated in the National Conference on Application of Plant Metabolites and Vaccine Production organized by the PG and Research Department of Biotechnology, Selvamm Arts and Science College, Namakkal on 22nd Feb. 2018
78. Paper titled „Efficacy of green tea capsule on the blood biochemical parameters of human Volunteers“ presented in National Symposium on Natural Products for HumanHealth, ERI, Loyola College, Chennai on 7-8, Feb-2019.79.
79. International Conference on Recent Trends in Biology (RTM), Alagappa University, Karaikudi on 24-01-2019.80.
80. International Conference on Cancer Inferno and it`s Prevention Strategies (ISCCIPS) held at EVR College on 22-02-2019.

