

PROFILE



Name : **DR. S. CATHERINE.P.ALEXANDER**
Designation : Associate Professor
Department : Zoology
Date of Birth : 20.04.1969
Date of Appointment : 14.07.1992

CONTACT DETAILS

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ACADEMIC QUALIFICATIONS

S. No.	Degree Awarded	Institution	Year	Field of Study
1.	Ph.D.	Madurai Kamaraj University	2008	Immunology
2.	M.Phil I Rank	St. Xavier's College, Palayamkottai, M. S. University	1992	Embryology
3.	M.Sc. University I Rank	Holy Cross College, Nagercoil , Madurai Kamaraj University	1991	Zoology
4.	B.Sc. University I Rank	Holy Cross College, Nagercoil (Madurai Kamaraj University)	1989	Zoology

TITLE OF PH. D.THESIS

- Studies on Immunomodulation by *Tinospora cordifolia* (Miers) Leaves in *Oreochromis mossambicus* (Peters)

TEACHING EXPERIENCE : 22 Years

SPECIALIZATION : Immunology

ACADEMIC AFFILIATION :

Associate Professor : 2009 to Till date

Reader : 2008 - 2009

Lecturer (S.G) : 2002 - 2008

Lecturer (S.S) : 1997 - 2002

Lecturer : 1992 – 1997

PROFESSIONAL AFFILIATION

- 2008 - 2009 - NSS Programme Officer
- 2009 - 2012 - College Union Vice Presidents

RESEARCH CONTRIBUTIONS

- Research Experience -14 years
- Approved Ph.D. Guide of M.T. University, Kodaikanal
- Guiding two Ph.D. Scholar

RESEARCH PROJECT (ONGOING FROM 2011): UGC funded

- **Title:** Influence of the herbal immunostimulant *Andrographis paniculata*, on the immune responses and survival of *Cyprinus carpio* to *Aeromonas hydrophila* infection.

RESEARCH PUBLICATIONS

International

- **Catherine P. Alexander.,** C.John Wesley Kirubakaran and R.Dinakaran Michael (2010) Water soluble fraction of *Tinospora cordifolia* leaves enhanced the non-specific immune mechanisms and disease resistance in *Oreochromis mossambicus*. Fish and Shell Fish Immunology 29 (5):765-72 **Elsevier Publications**
- John Wesley Kirubakaran C., **Catherine P. Alexander** and R.Dinakaran Michael (2011) Enhancement of non specific immune responses and disease resistance on oral administration of *Nyctanthes arbortristis* seed extract in *Oreochromis mossambicus* (Peters) Aquaculture Research. 41(11): 1630–1639 **Wiley Publications.**

National

- Suja S. Chandran and **Catherine P. Alexander** (2009) A study on the relation between the balanced diet supplemented with cultivated fodder crops on quantity and quality of milk in exotic cow *Holstein Friesian*. Proceedings of the National Seminar on “Conserve the mother Earth - need of the hour”.

BOOK PUBLISHED : 1

- Laboratory Manual in Zoology (Co-author), ACCA Publications, Periyakulam.

PRESENTATIONS (Last 5 years) : Paper entitled,

- “Immunostimulatory effect of chloroform extract of NAT in *O.mossambicus* in The 7th International Symposium on Diseases in Asian Aquaculture on 22-26, June, 2008 Taipei, Taiwan
- “A study on the relation between the balanced diet supplemented with cultivated fodder crops on quantity and quality of milk in exotic cow Holstein Friesian” in the National Seminar on Conserve the mother Earth need of the hour on 9 - 10 March 2009 at J.A .college Periyakulam
- “Hexane soluble fraction of *Tinospora cordifolia* leaves as a feed supplement enhanced the non-specific immune mechanisms and disease resistance in *Oreochromis mossambicus*” in 8th International Symposium on Asian Aquaculture on 21st -25th November, 2011 at Karnataka Veterinary, Animal and Fisheries Sciences University, Mangalore
- “Immunomodulatory effect of *Withania somnifera* root in *Oreochromis mossambicus*” and “Immunotoxicological effect of Tannery Effluent on *Oreochromis mossambicus*” in the National conference on “Potentials and Prospects of Aquatic Resources 6th -7th February, 2012, at Kunthavai Naacchiyaar Govt. Arts College for Women, Thanjavur
- “Immunomodulatory effect of *Azadirachta indica*, *Solanum trilobatum* and *Eclipta alba* in *Oreochromis mossambicus*” and “Immunotoxicological effect of Coffee Industrial Effluent on *Cyprinus Carpio*” in the National Seminar on Bio Knowledge for Better Environment” on 28th - 29th February, 2012 at Syed Hameedha Arts and Science College, Kilakarai
- “ Immunomodulatory effect of *Mentha arvensis* in *Oreochromis mossambicus*.” in the International Conference on Science and Technology for clean and green environment on 27th - 28th July, 2012 at Annamalai University, Annamalai Nagar, Chidambaram,
- “Immunostimulants of plant Origin and Aquaculture.” and “Immunotoxicological effect of Coffee Industrial Effluent on *Cyprinus Carpio*” in the National Seminar on New Frontiers in Biology at J.A. College for Women (Autonomous) on 18th - 19th December 2012.

RESOURCE PERSON:

- In Training Workshop on Immunological Techniques organized by Centre for Fish Immunology, Lady Doak College, Madurai on April 30 - May 12, 2007.
- In 4th Training Workshop on Immunological Techniques from Jan 27-Feb 9, 2009 organized by Centre for Fish Immunology, Lady Doak College, Madurai.
- In 5th Training Workshop on Immunological Techniques from May 3 -May 15, 2010 organized by Centre for Fish Immunology, Lady Doak College, Madurai.
- In Creation of Scientific Awareness Programme for School Children from Feb 4- 5, 2010 at JAC, Periyakulam.