

11) Research Publications

International

International

- Ragin Maria Cheriyan and B. Karpagam, Effect of *Hibiscus rosa-sinensis* and *Cassia auriculata* on immune response of *Cirrhinus mrigala* infected with *Aeromonas hydrophila*. International Journal of Creative Research Thoughts (IJCRT)(2021),9(4):2404-2411
- B.Karpagam and Kaviya.V, A study on inhibition activity of alpha- amylase and anti-diabetic activity of *Cirrhinus mrigala* treated with *Catharanthus roseus* flower extract. International Journal of Research and Analytical Reviews (IJRAR) (2020)7(4): 59-69.
- Mrs.B.Karpagam and Dr.N.Krishnaveni.Effect of Supplementation of Selected Plant Leaves as Growth Promoters of Tilapia fish, *Oreochromis mossambicus*, *Research Journal of Recent Sciences* (2014), (3) 120-123.
- B.Karpagam and Dr.Krishnaveni N.Effect of *Ocimum basilicum* and *Phyllanthus emblica* on specific immune response of *Oreochromis mossambicus* infected with *Aeromonas hydrophila*.World journal of pharmaceutical and medical research (2019)5(8):143-146.
- Roopavathy, J; Karpagam, B; Vigneshpriya, D.Effect of *Ziziphus jujube* leaf extract on kidney of freshwater fish, *Oreochromis mossambicus*. International journal of zoology and applied sciences(2020)5(4): 210-216.
- Pirakadeaswari C., Sanjana K. and B. Karpagam.Antibacterial activity of medicinal plants against *Aeromonas hydrophila*.World journal of pharmaceutical and medical research(2019) 5(5): 154-155.
- Sanjana.K, Pirakadeswari.C, B.Karpagam Effect of *Ocimum basilicum* and *Phyllanthus emblica* on specific immune response of *Cirrhinus mrigala* infected with *Aeromonas*

hydrophila. European journal of pharmaceutical and medical research(2019)6 (5):368-371.

- Amitapaul .C and Mrs.B.Karpagam .Phytochemical Screening and antibacterial evaluation of the aqueous extracts of *Hibiscus rosa-sinensis*' leaves against *Aeromonas Hydrophila*.*International Journal of Advanced Science and Research* (2016)1(8):21-23.

National

- B.Karpagam and N.Krishnaveni. Effect of *Coleus aromaticus* and *Ocimum basilicum* on Immune Response of *Oreochromis mossambicus* Infected with *Aeromonas hydrophila*. *Indian Journal of Natural Sciences*(2022), 13(7):40054 – 40059.
- Angel Arul Jothi G and B. Karpagam.Use of Vegetables Processing Waste as Fish Feed on the Haematological and Biochemical Parameters of *Oreochromis mossambicus*. *Indian Journal of Natural Sciences*(2022), 13(7):45618 – 45623.
- Mrs.B.Karpagam and V.Praveena. Effect of *Coleus aromaticus* and *Solanum verbasifolium* on the growth performance and feed utilization of tilapia fish,*Oreochromis mossambicus*. *Scientia* (2016),10 (1), 114-119.

12) Other Publications

Books

Dr.B.Karpagam.Laboratory Manual For Zoology Post Graduates – IV.ISBN No. 978-93-5593-615-8

(Proceedings)

- Mrs.B.Karpagam and Pirakadeaswari.A. Antibacterial Activity of *Areca Catechu*, *Coleus Aromaticus*, *Ocimumbasilicum* against Fish Pathogens. *Advances in Biological Sciences Research*(2018) 1(1):42-44 ISBN: 978-93-5321-256-8.
- Asha.P and Mrs.B.Karpagam Effect of *Spirulina* Supplemented Diets on The Growth Rate Of *Cirrhinus mrigala*. *Advances in Biological Sciences Research*(2018) 1(1):39-41 ISBN: 978-93- 5321-256-8
- B.Karpagam and Dr.Krishnaveni .Effect of supplementation of *Ocimum basilicum* and *Solanum verbascifolium* as growth promoters of Tiapia fish (*Oreochromis mossambicus*). *Advances in Biological Sciences Research*(2018) 1(1):56-60 ISBN: 978-93-5321-256-8.
- Pouline and Mrs.B.Karpagam.Haematological parameters of *Labeo rohita* fingerlings supplemented with *Ocimum basilicum* and *Piper betle*. *Nirmala Annual Research congress*. ISBN 978-93-5321-859-1 ,Pp: 306-311

13) Presentations in Conference

International

- Pesticidal effect of *Psidium gujava* against *Callasobruchus maculatus* in green gram: DST sponsored International Conference on Bioresource Technology on 07.10.2010 – 08.10.2010 organised by Department of Botany, Nirmala College for Women, Cbe.
- Effect of Supplementation of Selected Plant Leaves as Growth Promoters of Tilapia fish, *Oreochromis mossambicus*: International Science Congress on 08.12.2013 – 09.12.2013 organised by Karunya University, Cbe.

National

- Management of stored product pests using botanicals: National seminar on Disaster Management- A challenge for India's sustainable development on 21.08.2009 – 22.08.2009 organised by Department of Economics, Nirmala College for Women, Cbe.
- The Ethics of gene therapy :National seminar on Current advances in applied genetics and bioethics on 18.09.2009 – 19.09.2009 organized by Department of Zoology, Nirmala College for Women, Cbe.
- Cystic fibrosis – its symptoms, diagnosis and therapy: National seminar on Current advances in applied genetics and bioethics on 18.09.2009 – 19.09.2009 organized by Department of Zoology, Nirmala College for Women, Cbe.
- Management of pulse beetle using the leaf extracts of *Psidium gujava*: National seminar on Recent advances in animal sciences on 24.02.2010 – 25.02.2010 organized by Department of Zoology, Government Arts College, Cbe.
- Movements against child labour in India : National seminar on Challenges and strategies in human rights education on 25.08.2011 – 26.08.2011 organised by Department of History, Nirmala College for Women, Cbe.
- Anti mycobial activities selected leaf extracts of *Psidium gujava* and *Carum copticum* : Biovision 2012 On 19.09.2012 Department of Zoology, Mercy College, Palakkad, Kerala.
- Ecofriendly approach for the management of stored product pest using botanicals: Biovision 2012 On 19.09.2012 Department of Zoology, Mercy College, Palakkad, Kerala.
- Enhancement of natural enemies against stored grain pests: Biovision 2012 On

19.09.2012 Department of Zoology, Mercy College, Palakkad, Kerala.

- Efficacy of selected plant extracts on adult mortality of *Callosobruchus maculatus*: Biovision 2012 On 19.09.2012 Department of Zoology, Mercy College, Palakkad, Kerala.
- Phytochemical analysis and antifungal activity of *Ocimum basilicum* against *Aspergillus sydowi*: National seminar on Medicinal plants present scenario and future prospects on 06.12.2012 – 07.12.2012 organized by Department of Botany, Nirmala College for Women, Cbe.
- Immunomodulatory effect of *Psidium gujava* and *Murraya koengii* on the growth and immune parameters of Tilapia fish (*Oreochromis mossambicus*): National seminar on Immunoinformatics
– An Insilico aid towards better medicines on 03.10.2013 – 04.10.2013 organized by Department of Zoology, Nirmala College for Women, Cbe.
- Antibacterial Activity of *Areca Catechu*, *Coleus Aromaticus*, *Ocimum basilicum* against Fish Pathogens : National seminar on *Advances in Biological Sciences Research* on 19.09.2018 – 20.09.2018 organised by Department of Zoology, Nirmala College for Women, Cbe
- Effect of *Spirulina* Supplemented Diets on The Growth Rate Of *Cirrhinus mrigala*. : National seminar on *Advances in Biological Sciences Research* on 19.09.2018 – 20.09.2018 organised by Department of Zoology, Nirmala College for Women, Cbe
- Effect of supplementation of *Ocimum basilicum* and *Solanum verbascifolium* as growth promoters of Tiapia fish (*Oreochromis mossambicus*). : National seminar on *Advances in Biological Sciences Research* on 19.09.2018 – 20.09.2018 organised by Department of Zoology, Nirmala College for Women, Cbe
- Haematological parameters of *Labeo rohita* fingerlings supplemented with *Ocimum basilicum* and *Piper betle* : *Nirmala Annual Research congress* on 04.12.2018 organized by IQAC, Nirmala College for Women
- Antibacterial activity of *Areca catechu*, *Carica papaya*, *Eucalyptus camaldulensis*, *Plectranthus ambonicus*, *Ocimum basilicum* against fish pathogen: National seminar DST- CURIE sponsored- Biology for Life 2K19 on 11.12.2019 organized by Department of Zoology, Avinashilingam Institute for Homescience and Higher Education for Women, Coimbatore.

14) Participation in Conference :2

15) Participation in Seminar :12

16) Participation in Workshop :4

17) Participation in Orientation Programme/ Induction Programme/ Short term Courses

18) Participation in Faculty Development Programme : 2

19) Conference/ Seminar/ Workshop Organized

- Workshop: 27
- Symposia :03
- International symposia :02
- Lecture workshop: 02
- Science Academics : 02
- Seminars :08
- Training programs : 08
- Popular lecture programs : 01

20) Member in Board of Study

- BOS Member in UG Zoology Board, Nirmala College for Women, Coimbatore.
- BOS Member in PG Zoology Board, Nirmala College for Women, Coimbatore.

21) Awards and Achievements

University Fourth Rank holder – Zoology (Bharathiar University)

22) Any Other

Best paper awards

1. Enhancement of natural enemies against stored grain pests.
2. Ecofriendly approach for the management of stored product pest using botanicals