

## PROFILE

Name **Dr. S. Vasanth**  
Designation **Junior Scientist**  
Unit **Research and Development Wing**  
Affiliating Institution **Sree Balaji Medical College and Hospital  
(SBMCH) - BIHER, Chennai-600 044  
Tamil Nadu, India.**  
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Details	Google Scholar	Scopus	Web of Science
Total citations	228	57	28
h-index	8	5	4
i10-index	6		

Total Impact Factor: 12.184

### Education Qualification

S. No	Institute, Place	Degree	Year	Specialization
1	Bharathidasan University, Trichy	Ph.D.	2014	Animal Science
2	Sengunthar Arts & Science College, Tiruchengode	M.Sc.	2008	Biochemistry
3	Marappan Lakshmi Ammal Arts & Science College, Kurumberi	B.Sc.	2006	Biochemistry

### Academic Experience

S. No	Institute, Place	Designation	Period
1	Sree Balaji Medical College and Hospital, Chennai, India	Junior Scientist	Aug 2017 – till date
2.	Annai Violet College, Chennai, India	Assistant Professor	May 2015 – Aug 2017
3.	Jain Arts and Science College, Chennai, India	Assistant Professor	Jul 2014 – Apr 2015

Publications –Articles		IF	Citation
1.	Bharathi Kumar, Siva Vijayakumar Tharumasivam, Vasuki Boominathan, Elumalai Perumal, Prabu Dhandapani, Kumaravel Kaliyaperumal, Suresh Arumugam, Kumaran Subramanian, Pugazhvendan Sampath Renuga, Vasanth Sakthivel, Bupesh Giridharan, Wilson Aruni, Lokesh Kumar Boopathy. A Pilot Study on Nanotherapy of Momordica charantia against Trimethyltin Chloride-Induced Neurotoxicity in Danio rerio (Zebrafish). Journal of Nanomaterials. Article ID 2180638.	3.0	-
2.	Vasanth S, Siva Vijayakumar Jasmine Buelah, Meenakumari K. Inhibitory Property of <i>Barleria Cristata</i> Extract On A-Amylase And A-Glucosidase Key In Diabetes And Antioxidant. International Journal of Biology, Pharmacy. and Allied Sciences.2021;10;(11) 4109-4116	-	-
3.	Vijayakumar TS, Mahboob S, Bupesh G, Vasanth S, Al-Ghanim KA, Al-Misned F, Govindarajan M (2021). Facile synthesis and biophysical characterization of egg albumen-wrapped zinc oxide nanoparticles: A potential drug delivery vehicles for anticancertherapy. Journal of Drug Delivery Science and Technology. Article ID: 2180638.	3.981	9
4.	Vedamanickam R, Anandan P, Bupesh G, Vasanth S (2020). Study of millet and non-millet diet on diabetics and associated metabolic syndrome. Biomedicine. 40(1):55-8.	-	5
5.	Jeyasree J, Bupesh G, Vasanth S, Beulah JP, Pandian K, Anand AV, Vijayakumar TS, Narayanan L (2020). In-vivo toxicological (acute) characterization of bio-synthesized silver nanoparticles in labeo rohita. Nano Biomedicine and Engineering. 12(2):115-23.	-	3
6.	Prabhu K, Rao MR, Bhupesh G, Vasanth S, Dinakar S, Sundaram RL, Vijayalakshmi N (2020). Antioxidant studies of one Ayurvedic medicine, Drakshadi Kashayam. Drug Invention Today. 1:13(4).	-	1
7.	Kumar AG, Bupesh G, Sankarganesh P, Vasanth S, Nandagopal S, Joseph B (2020). Inhibitory studies of HepG2 and human immune cells using Solanum nigrum. Bioinformation. 16(7):525.	-	-
8.	Sathyaseela R, Kamalinie R, Bupesh G, Baskar M, Vasanth S (2020). Anti-Inflammatory effect of Bacopa Monnieri (Brahmi) on Swollen Joints – A Case Study. International Journal of Research in Pharmaceutical Sciences. 11 (3):074-4077.	-	-
9.	Panneerselvam G, Jothi Narendiran N, Vasanth S, Bupesh G, Prabhu K, Krishnamurthy R (2020). Phytochemical Screening, Invitro antidiabetic activity of Muntingia calabura leaves extract on alpha-amylase and alpha-glucosidase enzymes. International Journal of Research in Pharmaceutical Sciences. 11(1):1210-1213.	-	-
10.	Anitha V, Rajarajeswari, Bupesh G, Vasanth S, Tirumalai Vasan P, Sa-	-	-

	hoo U, Pitambar Humane (2020). Therapeutic Efficacy of Mimosa Pudica-Aegle Marmelos formulation on Diabetes Mellitus. International Journal of Research in Pharmaceutical Sciences. 11(3):4089-4094.		
11.	Kanimozhi S, Ponmalar E, Bupesh G, Mathiyazhagan M, Vasanth S, Sahoo U.K (2020). Analgesic effects of Mathan Thylam-A pharmacognostic review. International Journal of Research in Pharmaceutical Sciences. 11(4): 6203-6205.	-	-
12.	A. S. Selvam, G. Bupesh, S. Vasanth and A. Sathish Kumar. Effect Of Yoga Therapy With Varma Therapy Practices On Systolic Blood Pressure And Diastolic Blood Pressure Variables Among Hypertensive Middle Aged Men. Biochem. Cell. Arch. Vol. 20, No. 1, pp. 2669-2701		
13.	S. Arul, G. Bupesh, S. Vasanth and A. Sathish Kumar. (2020). Influence of Varied Yogasanas On Selected Biochemical Variables. Biochem. Cell. Arch. Vol. 20, No. 1, pp. 2685-2687		
14.	I. John Parthiban, G. Bupesh, S. Vasanth and A. Sathish Kumar. Decreasing Fasting Blood Sugar Level Through Yogic Practices And Physical Exercises : A 8 Weeks Prospective Study For The Middle Aged Men. Biochem. Cell. Arch. Vol. 20, No. 1, pp. 2663-2667,		
15.	Bupesh G, Nandini MS, Vasanth S, Vijayakumar TS, Amutha C, Prabhu K, Balachnadar V (2019). Molecular modelling and docking analysis of pleurocidin (an antimicrobial peptide) like peptides with enterotoxin H from Klebsilla pneumonia. Bioinformation. 15(11):838.	-	1
16.	Kumar MH, Sharmila D, Prabhu K, Rao MR, Bhupesh G, Vasanth S, Dinakar S, Deepalakshmi B (2019). Antioxidant studies of one herbal formulation, kutajarishtam. Plant Cell Biotechnology and Molecular Biology. 1309-1319.	-	8
17.	Saran N, Anandharaj B, Bupesh G, Vasanth S, Beulah JP, Balachandar V (2019). Molecular docking analysis of a secondary metabolite with the glycoprotein receptors of HSV 1 and HSV 2. Bioinformation. 15(12):887.	-	2
18.	Vasanth S, Bupesh G (2019). Sub-Lethal Effects of Triazine Herbicides on Oxidative Stress and Antioxidant Response in Poecilia Sphenops Tissues. Indian Journal of Public Health Research and Development. 10(11): 2574-2580.	-	-
19.	Sathya V, Bupesh G, Vasanth S, Somasekar R, Ramadevi K, Vijayanandh A (2019). Evaluation of Urinary Iodine and Thyroid Hormone in Hypothyroidism of South Indian Population. Indian Journal of Public Health Research and Development. 10(11):1591-1597.	-	-

20.	Bupesh G, Nandini MS, Vasanth S, Vijayakumar TS, Amutha C, Prabhu K, Balachnadar V (2019). Molecular modelling and docking analysis of pleurocidin (an antimicrobial peptide) like peptides with enterotoxin H from <i>Klebsilla pneumonia</i> . <i>Bioinformation</i> . 15(11):838.	-	-
21.	Meenakumari K, Bupesh G, Vasanth S, Vasu CA, Pandian K, Prabhu K, Prasath S (2019). Molecular docking based virtual screening of carbonic anhydrase IX with coumarin (a cinnamon compound) derived ligands. <i>Bioinformation</i> . 2019;15(10):744.	-	-
22.	Indumathi CP, Bupesh G, Vasanth S, Senthilkumar V, Anandh AV, Pandian K (2019). Molecular docking analysis of zanamavir with haem agglutinin neuraminidase of human para influenza virus type 3. <i>Bioinformation</i> . 15(10):730.	-	-
23.	Yuvaraj R, Vijayakumar R, Bupesh G, Vasanth S (2019). Effect of Saraswatarishta on sleep deprivation induced behavioral changes in mice. <i>Drug Invention Today</i> . 15;12(8).	-	-
24.	Saran N, Anandharaj B, Bupesh G, Vasanth S, Surendhar PA (2019). In vitro antioxidant potential of <i>Justicia adhatoda</i> leaf extracts against 1, 1-diphenyl picryl hydrazyl, hydroxyl, and nitrous oxide free radicals. <i>Drug Invention Today</i> . 12(8):1736-40.	-	3
25.	Bupesh G, Amutha C, Kumar AG, Vasanth S, Surendiran L, Balachandar V (2019). Prospective liver shielding activity of marine red algae on aflatoxin-induced toxicity in rats. <i>Drug Invention Today</i> . 1:11(10).	-	1
26.	Santhi MP, Bupesh G, Vasanth S, Ramasamy P, Johnson WM, Balachandar V (2019). In vitro antioxidant efficacy of <i>biophytum sensitivum</i> extracts. <i>Biochemicaland Cellular Archives</i> . 19:1324-9.	-	1
27.	Sathya V, Bupesh G, Lakshman R, Vasanth S, Siva Vijayakumar T, Balachandar V (2019). Materanl Serum Biomarkers for Early Prediction of Gestational Diabetes Mellitus. <i>Diabetes and Obesity International Journal</i> . 4 (1): 000190.	-	24
28.	Vasanth S, Bupesh G, Siva Vijayakumar T, Balachandar V, Gunasekaran DR (2018). Evaluation of In Vitro Antidiabetic and Antioxidant Potential of <i>Barleria cristata</i> Leaves Extracts. <i>Asian Journal of Pharmaceutical and Clinical Research</i> . 11 (4):287-290.	-	4
29.	Vasanth S, Bupesh G, Vijayakumar TS, Subramanian P, Ramasamy P. Toxicity of atrazine and related to testicular, tissue damaging enzyme levels in <i>Poecilia sphenops</i> (2018). <i>International Journal of Current Pharmaceutical Research</i> . 10(2):75-80.	-	1

30.	Niraimathi, Bupesh G, Angelina Gloria parimala S, Vasanth S, Balachandar V. Gunasekaran DR (2018). Detection of <i>Leptospira Canicola</i> through Multiplex PCR in environmental samples of Nagapattinam District. <i>International Journal of Computer Networks and Communications Security</i> . 1(3): 1-12.	-	-
31.	Bupesh G, Amutha C, Vasanth S, Vijayakumar TS, Pandian K, Balachandar V, Gunasekaran DR (2017). Enhanced Peptide Delivery and Sustainable Release of Pleurocidin Using N-Succinyl Chitosan Nanoparticle. <i>Nano Biomedicine and Engineering</i> . 9(4):324-32. Indexed in Scopus	-	-
32.	Vasanth S, Bupesh G, Vijayakumar TS, Subramanian P (2017). Impairment of Micronucleus and DNA in the 2-Chloro-4-Ethylamino-6-Isopropylamino-1, 3, 5-Triazine Exposed <i>Poecilia Sphenops</i> . <i>Haematology International Journal</i> . 1 (20):000112.	-	-
33.	Vasanth S, Vijayakumar TS, Bupesh G, Subramanian P. Dose dependent effect of synthetic herbicide (atrazine) on the morphological parameters in <i>Poecilia sphenops</i> (2017) <i>European Journal of Biomedical</i> . 4(12):455-7.	-	1
<b>Research Articles published prior to SBMCH</b>			
34.	Vasanth S, Subramanian P. Assessment of Genotoxic Effect of Atrazine on <i>Poecilia Sphenops</i> Using Micronucleus Assay. <i>International Journal of Chemistry and Pharmaceutical Sciences</i> 2016; 4(6): 293–295.		
35.	Siva Vijayakumar T, Karthikeyeni S, Vasanth S, Sivakumar, Sumithra D, Subramanian P. Synthesis of Zinc Oxide Nanoparticle by Chemical Co-Precipitation Methods Using Simple Conventional Process and its characterization studies. <i>Bharath Research Bulletin</i> . 2015; 1: 12-23.		
36.	Bupesh G, Amutha C, Murali KS, Saran N, Shanthi P, Vasanth S, Manikandan E, Subramanian P. Lipid Characterization and Fatty Acid Profiles of <i>Clarius batrachus</i> and Its Defense Activity. <i>Journal of Pharmaceutical Research International</i> . 2015 Jul 2:353-64.		1
37.	Vasanth S, Arul G, Karthikeyeni S, Kumar TS, Vignesh V, Manimegalai M, Bupesh G, Thirumurugan R, Subramanian P. Influence of triazine herbicide exposure on guppies ( <i>poecilia sphenops</i> ) aromatase activities, altered sex steroid concentration and vitellogenin induction. <i>Indian journal of pharmaceutical sciences</i> . 2015 Mar;77(2):156		7
38.	Karthikeyeni S, Siva Vijayakumar T, Vasanth S, Ganesh A, Vignesh V, Akalya J, Thirumurugan R, Subramanian P. Decolourisation of Direct Orange S dye by ultra sonication using iron oxide nanoparticles. <i>Journal of Experimental Nanoscience</i> . 2015 Feb 11;10(3):199-208.	2.169	8

39.	Vasanth S, Ganesh A, Vijayakumar TS, Karthikeyeni S, Manimegalai M, Subramanian P. Impacts and impairments of atrazine on male <i>Poecilia sphenops</i> . Indian Journal of Advances in Chemical Science. 2013;2(1):62-70		5
40.	Karthikeyeni S, Siva Vijayakumar T, Vasanth S, Arul Ganesh MM, Subramanian P. Biosynthesis of Iron oxide nanoparticles and its haematological effects on fresh water fish <i>Oreochromis mossambicus</i> . J Acad Indus Res. 2013;10:645-9.	0.729	42
41.	Siva Vijayakumar T, Karthikeyeni S, Vasanth S, Ganesh A, Bupesh G, Ramesh R, Manimegalai M, Subramanian P. Synthesis of silver-doped zinc oxide nanocomposite by pulse mode ultrasonication and its characterization studies. Journal of Nanoscience. 2013;2013.	1.726	52
42.	Bupesh G, Amutha C, Vasanth S, Manoharan N, Raja RS, Krishnamoorthy R, Subramanian P. Hepatoprotective efficacy of <i>Hypnea muciformis</i> ethanolic extract on CCl4 induced toxicity in rats. Brazilian Archives of Biology and Technology. 2012 Dec;55(6):857-63.	0.579	14
43.	Vasanth S, Ganesh A, Vijayakumar TS, Karthikeyeni S, Manimegalai M, Subramanian P. Assessment of anthracene on hepatic and antioxidant enzyme activities in <i>Labeo rohita</i> (Hamilton, 1822). International Journal of Pharmacy & Life Sciences. 2012 May 1;3(5).		13
44.	Manimegalai M, Karthikeyeni S, Vasanth S, Ganesh AS, Vijayakumar ST, Subramanian P. Morphometric analysis-a tool to identify the different variants in a fish species <i>E. maculatus</i> . International journal of environmental sciences. 2010 Oct 1;1(4):481.		24
45.	Manimegalai M, Bupesh G, Mirunalini M, Vasanth S, Karthikeyeni S, Subramanian P. Color Enhancement Studies on <i>Etroplus Maculatus</i> using Astaxanthin and B-Carotene. International Journal of Environmental Sciences. 2010 Jul 1;1(3):403.		3

Publications Books		Publisher
1.	Pleurocidin like peptide and its bioactivity- 2019; ISSN: 978-93-5391-600-8	SBMCH
2.	Impact of atrazine on <i>Poecilia sphenops</i> -2019; ISSN: 978-93-5391-806-4.	SBMCH
3.	Sports Medicine, Yoga, Fitness Therapy & Rehabilitation: 2019; ISSN: 978-93-5382-224-8.	SBMCH
4.	Tools of Bioinformatics - A Practical Manual- 2017; ISSN: 978-93-5288-421-6	SBMCH

Projects	
Sponsored projects	
	Nil
Consultancy projects	
	Nil
Patents	
1.	Title of Invention: Low Cholesterol Fish Feed Formulation Patent Filed No:202141040747; Dt. 8/09/2021
2.	Title of Invention: An Automobile Vehicle Exhaust System Employing Algaephoto Bioreactora Patent Filed No:202141040746; Dt. 08/09/2021
3.	Title of the Invention: System for Monitoring of Coma Patient's Health Parameters Patent Filed No: 202041010984; Dt. 13/03/2020
4.	Title of the Invention: A Smart Glove with Hepatic Feedback for Visually Impaired Patent Filed No: 201941018466; Dt.08.05.2019
5.	Title of the Invention: A Pharmaceutical Formulation for Treating Herpes Simplex Virus Patent Filed No.201941013142; Dt.01.04.2019
6.	Title of the Invention: A Process of Extraction of Antimicrobial Activity Exhibiting Novel Pep- tide from <i>Clarias Batrachus</i> Patent Application number: 201741023238; dated 28-06-17

Details of Copyright		Number
1.	Evaluation of Genotoxicity and Sex Hormone Impacts on Atrazine Exposed <i>Pocelia Sphenops</i>	13357/2018/CO/L
2.	Identification and Molecular Characterization of PI Peptide from <i>Clarius Butrachus</i> And Its Antimicrobial Activity	13354/2018/CO/L
3.	Identification of Anticancer Compounds from <i>Biophytum sensitivum</i> and Its Mechanism of Molecular Targeting Through Insilico Docking	13356/2018/CO/L
4.	Synthesis of Chemically Varied Chitosan Nanoparticles and Its Sustainable Release n Peptide Delivery	13353/2018/CO/L
5.	Tools of Bioinformatics Manual	13359/2018/CO/L

CONFERENCE / SEMINARS / SYMPOSIUM / WORKSHOP - ATTENDED / PAPERS PRESENTED	
1.	Participated in the CME "Pathogenesis of PAK1 Mediated signaling in solid Malignancies" held at Sree Balaji Medical College & Hospital, Chrompet, Chennai on 18 <sup>th</sup> oct 2021.
2.	Actively participated in the "ABGCON" held at Sree Balaji Medical College & Hospital, Chrompet, Chennai 27 <sup>th</sup> & 28 <sup>th</sup> August 2021

3.	Actively participated in the webinar on “A Healthy Environment” at Department of Zoology, Kuriakose Gregorios College, Pampady, Kottayam, Kerala, India on 28th JULY 2021
4.	Actively participated in the webinar on “Disease Diagnosis and Therapeutics” at Bharathiar University Coimbatore on 24 <sup>th</sup> &25 <sup>th</sup> Mar 2021
5.	Actively participated in the webinar on “Emergence of Novel Corona Viruses: Therapeutics & Vaccines” at Sree Balaji Medical College & Hospital, Chrompet, Chennai on 14 <sup>th</sup> Dec 2020
6.	Actively participated in the webinar on “Role of bile acids in Alzheimer's disease: an insight into importance of the gut-brain axis” at Sree Balaji Medical College & Hospital, Chrompet, Chennai on 11 <sup>th</sup> Nov 2020
7.	Presented a paper entitled “In Vitro Antidiabetic and Antioxidant Potential of <i>Barleria Cristata</i> Stem Extracts” in the International Conference on “SYFTR” held at Sree Balaji Medical College & Hospital, Chrompet, Chennai on 11 <sup>th</sup> &12 <sup>th</sup> Mar 2019
8.	Presented a paper entitled “Efficacy of Helicteres Isora Concoction on Glucose Level in Type-2 Diabetic Patients Practicing Yoga” in the International Conference on “SYFTR” held at Sree Balaji Medical College & Hospital, Chrompet, Chennai on 11 <sup>th</sup> &12 <sup>th</sup> Mar 2019
9.	Presented a paper entitled “A Review On Effects of Cigarette Smoking and Tobacco Chewing on Male Infertility” in the International Conference on “SYFTR” held at Sree Balaji Medical College & Hospital, Chrompet, Chennai on 11 <sup>th</sup> &12 <sup>th</sup> Mar 2019
10.	Presented a paper entitled “Bioreduction Potential Of <i>Ficus Elastica Rubra</i> Aqueous Extracts For Synthesis Of Silver Nanoparticles And Their Antimicrobial Studies” in the International Conference on “SYFTR” held at Sree Balaji Medical College & Hospital, Chrompet, Chennai on 11 <sup>th</sup> &12 <sup>th</sup> Mar 2019
11.	Organising Co- Ordinator for Workshop on “Hands on techniques for SDS- PAGE Electrophoresis from CSF and Brain Tissue” held at Sree Balaji Medical College & Hospital, Chrompet, Chennai on 24 <sup>th</sup> Jan 2019
12.	Actively participated in the “National Conference on NUTRISAFE-2018” held at Sree Balaji Medical College & Hospital, Chrompet, Chennai on 13 <sup>th</sup> July 2018
13.	Actively participated in the “International Conference on Renal Diseases” during 7 -8 <sup>th</sup> Nov 2017 held at Sree Balaji Medical College & Hospital, Chrompet, Chennai
14.	Presented a Poster entitled “In Vitro Evaluation Of Antidiabetic Potential of <i>Barleria Cristata</i> Leaves Extracts” in the International Conference on “Recent Trends in Stem Cells & Regenerative Medicine –RTSRN-2017” held at Sree Balaji Medical College & Hospital, Chrompet, Chennai on 24 <sup>th</sup> & 25 <sup>th</sup> August 2017



15.	Presented a Poster entitled “Assessment Of Genotoxic Effect Of Atrazine On Poecilia Sphenops Using The Micronucleus Test” in the National Conference on “Recent Advances in Biological and Chemical Sciences- NCRABCS 2016” held at Annai Violet college, Ambattur Chennai on 4th and 5th February 2016.
16.	Actively participated in the National Conference on “Evolutionary Trends in Biological and Pharmaceutical Chemistry – NCETBP-2014” held at Holy Cross College in collaboration with Bharathidasan University on 30th& 31st January 2014.
17.	Presented a paper entitled “Morphological Alterations of Testes and Liver in Adult Poecilia Sphenops due to Atrazine” in “Current Trends in Environmental Toxicology and Experimental Therapeutics” held during 18-19 December, 2012
18.	Actively participated in the “UGC sponsored Short Term Course/Workshop on Methods in Life Sciences Research (Scholar)” held from 26th to 28th March, 2012
19.	Presented a paper entitled “Gill Morphology changes in Adult Poecilia Sphenops exposed to Atrazine” in “UGC sponsored National Conference on Potentials and Prospects of Aquatic Resources” held on 6th& 7th February, 2012.
20.	Participated in the “35th Annual Conference of Ethological Society of India and Symposium on Chemical Signals in Animal Welfare” at Department of Environmental Biotechnology, Bharathidasan University, Trichy, Tamil Nadu held during 15th& 16th December, 2011.
21.	Actively participated in the National Seminar on “Challenges in Animal Bio-Technology and Environmental Management Research – CABEMR-2011” at Bharathidasan University, Trichy, Tamil Nadu held on 23rd June 2011.
22.	Participated in the National workshop on “Petroleum Exploration -PETEX-2011” at Bharathidasan University, Trichy, Tamil Nadu held between 31st March and 1st April 2011.
23.	Actively participated in the “National Conference on Explorations of the Natural Bioactive Compounds from the Marine Resources – BIOACTIVA’11” held between 10th and 11th February, 2011.
24.	Presented a Poster in the National Symposium on “Current Perspectives in Animal Biotechnology - CPABT-2011” held at Bharathidasan University, Trichy, Tamil nadu on 3rd& 4th February, 2011
25.	Actively participated in the “International Conference on Climate Change and Bioresource- ICCCB-2010” during 9 -12th February, 2010 at Department of Biotechnology, Bharathidasan University, Trichy, Tamil Nadu.
26.	Participated in the National Workshop on “Patent Information” on 29th April, 2009 at Bharathidasan University, Trichy, Tamil Nadu.
27.	Participated in the Awareness workshop on “The facilities of UGC-DAE Consortium for Scientific Research” during September 16th - 17th, 2009 at School of Physics, Bharathidasan University, Trichy, Tamil Nadu.

28.	Actively Participated in National seminar on “Recent Trends in Chemical Signaling” on 2nd February, 2009 at Bharathidasan University, Trichy, Tamil Nadu.
29.	Participated and presented a poster entitled “Bioethical Issues in Riverine Ecosystem” in “International conference on Bioethics” held at Mother Teresa Women’s University, Kodaikanal, Tamil Nadu from 24th to 26th September, 2008.
30.	Actively participated in Lecturer Workshop on “Current Trends in Biology and Biotechnology” held on 19th and 20th September, 2008 at Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
31.	Participated in the UGC sponsored National seminar on “Environmental Biotechnology: Challenges and Opportunities -ENVIROTECH-2008” on 17th and 18th September, 2008 at S.N College, Nattika, Thrissur, Kerala.
32.	Participated in the National seminar on “Recent trends in Aquaculture practices towards technological Empowerment of Aquaculture farmers –LIVE AQUA 2008” held on 7th and 8th August 2008 at Bharathiar University, Coimbatore, Tamil Nadu.