

## CURRICULUM VITAE



**Dr.M. CHANDRAN**  
M.Sc., M.Phil., B.Ed., Ph.D.,  
**PROFESSOR**

### **PERSONAL DETAILS**

**Designation** : Professor

**Father's Name** : Muthiah

**Department Address:** Department of Zoology,  
Thiruvalluvar University,  
Serkadu, Vellore-632115,  
Tamil Nadu, India.

**Contact** :Office: 0416- 2274900  
Mobile:91-7305886169

**E-mail** :bothaguruchandran@yahoo.co.in

**Residential Address** : 114, Kamarajar Street, Bone Mill Stop

Katpadi, Vellore-632 007

Tamil Nadu, India.

## ➤ EDUCATIONAL QUALIFICATION

S. NO	Examinations	Subject	Name of the Board / University	Year of Passing	Division/ Class/ Grade
1.	B.Sc.,	Zoology	Madurai Kamaraj University	1988	II
2.	M.Sc.,	Zoology	Madurai Kamaraj University	1992	I
3.	M. Phil.	Energy	Madurai Kamaraj University	1991	I
4.	B.Ed.	Biological Science	Madurai Kamaraj University	1994	II
5.	Ph. D./ D. Phil.	Zoology	Dept. of Zoology Annamalai University	1999	Highly Commanded

## ➤ EXPERIENCE DETAILS

S. NO	Positions held	Name of the Institutions	Duration		Years of Experience
			From	To	
1.	Lecturer	ANJA College,	19.06.2000	27.03.2002	2 years

2.	<b>Lecturer</b>	Alagappa Govt. College, Karaikudi.	01.07.2004	31.03.2005	1 year
3.	<b>Lecturer</b>	Raja Serfoji Govt. College. Thanjavur.	15.07.2005	01.02.2007	2 years
4.	<b>Asst. Professor</b>	Thiagarajar College, Madurai- 09	21.02.2007	2013	7 years
5.	<b>Associate Professor</b>	Thiruvalluvar University, Serkkadu, Vellore-115.	21.02.2013	12.03.2016	-
6.	<b>Professor</b>	Thiruvalluvar University, Serkkadu, Vellore-115.	12.03.2016	Till date	-

**Teaching Experience** : 21 years

**Research Experience** : 26 years

**Research Area** : Environmental toxicology, Malacology, Ethanopharmacology and Nano Science.

**Mphil. Thesis Title** : Influence of various salinity of the ambient medium on the blood serum osmolality of *Cyprinus carpio* (l).

**Ph.D. Thesis Title** : Studies on the effect of optic tentacle and medio dorsal body extract on metabolism and reproduction in *Laevicaulis alte* (Ferrusac) (Mollusca: Gastropoda).

## ➤ Research Supervision/ Guidance

Program of Study		Completed	Ongoing
<b>Research</b>	Ph.D	16	08
	M.Phil	32	-
<b>Project</b>	P.G	22	-
	U.G	7	

## ➤ Ph.D. Guidance

S.No.	Name of the student and Reg. No	Title of the thesis	Institution	Awarde d& Year
1.	<b>Dr. Mumtaz</b>	Heavy metals load and bioaccumulation in the Vaigai River.	<b>Madurai Kamaraj University</b>	<b>Awarded</b> 2013
2.	<b>Dr. K. Shameem Rani</b> REGN.NO.P8496	Heavy Metals distribution and Bioaccumulation in the Cauvery and Vellar estuary region.	<b>Madurai Kamaraj University</b>	<b>Awarded</b> 2013
3.	<b>Dr. A. Radha</b> REGN.NO.P8429	Air Pollution in the prevalence of pulmonary diseases and mortality risk among urban and rural people of Madurai, Pudukkottai and Tanjore District.	<b>Madurai Kamaraj University</b>	<b>Awarded</b> 2013
4.	<b>Dr. S. Boominathan</b> REGN.NO.P8477	An evaluation of the plants <i>Melia azedarach</i> , <i>Sphaeranthus amaranthoides</i> and <i>Sarcotsemma brevistigma</i> as a molluscicide against slug <i>Laevicaulis alte</i> (L)(Ferussac) (Mollusca:Gastropoda).	<b>Madurai Kamaraj University</b>	<b>Awarded</b> 2013
5.	<b>Dr. D. Kannammal</b> REGN.NO.P8920	Studies on the Effect of Mercury, Chloride, Lead acetate and Copper Sulphate in the reproductive mechanism of slug <i>Laevicaulis alte</i> (Ferussac) (Mollusca:Gastropoda).	<b>Madurai Kamaraj University</b>	<b>Awarded</b> 2013

6.	<b>Dr. G. Chandran</b> REGN.NO.P8291	Kinetics and Mechanism of tolerance induction on acclimation of fresh water Mussel <i>Lammellidens marginalis</i> (Lamarck) exposed to Copper, Zinc, Lead, Mercury and Cadmium	<b>Madurai Kamaraj University</b>	<b>Awarded</b> 2014
7.	<b>Dr. KR. Udhayavani</b> REGN.NO.P8292	A Mechanism based in vivo Anticancer Drug Screening Approach for the plant Extracts of <i>Tinospora cardifolia</i> , <i>Indigofera tinctoria</i> , <i>Aristolochia indica</i> and <i>Mollugo lotooides</i> .	<b>Madurai Kamaraj University</b>	<b>Awarded</b> 2016
8.	<b>Dr. T. Mathuram</b> REGN.NO. 3058	Water quality and plankton population in sewage fed river of Vaigai in Madurai, Tamilnadu, India.	<b>Madurai Kamaraj University</b>	<b>Awarded</b> 2017
9.	<b>Dr. K. Uma Maheshwari</b> REGN.NO:F 9090	Water quality index and plankton assemblage in Vandiyur lake, Madurai Tamilnadu, India.,	<b>Madurai Kamaraj University</b>	<b>Awarded</b> 2018
10.	<b>Dr. K. Kavipriya</b> REGN.NO.P9002	Characterization and antifungal effects of green synthesized silver nano particles of <i>Cassia alata</i> .	<b>Thiruvalluvar University, Vellore</b>	<b>Awarded</b> 2018
11.	<b>M. Muthunagai</b> REGN.NO.P9457	Toxic metal Chromium (Cr) related health risks among the residents in and around Sipcot at Ranipet-Vellore district.	<b>Thiruvalluvar University, Vellore</b>	<b>Awarde d</b> 2020
12.	<b>I. Malaichelvi</b> REGN.NO.9231	Polymorphism in shell bands of <i>Trachea vittata</i> (Mollusca: Gastropoda).	<b>Thiruvalluvar University, Vellore</b>	<b>Awarde d</b> 2020
13.	<b>V. Seetha</b> REGN.NO.218	Water quality index in the rock ponds of Madurai City.	<b>Thiruvalluvar University, Vellore</b>	<b>Awarded</b> 2021

14.	<b>N. Bharathiraja</b> REGN.NO.056	Proximate nutrients composition and antioxidant properties of three selected edible mushroom available in the eastern ghats hills near Ponnai Village at Vellore District, Tamilnadu, India.	<b>Thiruvalluvar University, Vellore</b>	<b>Awarded 2021</b>
15.	<b>D. Kosalai</b> REGN.NO.	Synthesis of gold nanoparticles using <i>Silybum marianum</i> to prevent and cure the gallstone in albino male mice	<b>Thiruvalluvar University, Vellore</b>	Awarded 2021
16.	<b>R. Mangaleshwari</b> REGN.NO. 055	Screening, antioxidant and antimicrobial evaluation of drug lead phytoconstituents from the leaves of five selected medicinal plants <i>Bacopa monnieri</i> , <i>Hygrophila auriculata</i> , <i>Heliotropium indicum</i> , <i>Wrightia tinctoria</i> and <i>Sarcostemma viminalis</i> available at Vellore District	<b>Thiruvalluvar University, Vellore</b>	<b>Submitted 2021</b>

S.No	Name of the student and Reg.No	Area of research	Institution	Status
1	<b>P.Devi</b>	<b>Water quality</b>	<b>Thiruvalluvar University</b>	<b>Doing</b>
2	<b>R.Priyanka</b>	<b>Phytocompounds</b>	<b>Thiruvalluvar University</b>	<b>Doing</b>
3	<b>D.Stanley Prabakaran</b>	<b>Phytocompounds</b>	<b>Thiruvalluvar University</b>	<b>Doing</b>
4	<b>M.Sumathi</b>	<b>Phytocompounds</b>	<b>Thiruvalluvar University</b>	<b>Doing</b>
5	<b>G.Manimegalai</b>	<b>Phytocompounds</b>	<b>Thiruvalluvar University</b>	<b>Doing</b>

## ➤ M.Phil. Guidance

S.No	Name of the student	Title of the thesis	Name of the Institute/ University	Years of Award
1.	<b>A.Soliappan,</b> (01Z545)	Lead elevation and health hazard effects on printing press workers	<b>ANJA College (MKU)</b>	<b>2002</b>
2.	<b>N.Rathidevi,</b> (07MZ09)	Eco-physiology and population dynamics of <i>Cepaea hortensis</i> (Mollusc:Pulmonata) inhabiting in three districts (Madurai, Virudhunagar and Thothukudi) of Tamilnadu.	<b>Thiagarajar College. (MKU)</b>	<b>2008</b>
3.	<b>K. Viswapriya,</b> (07MZ10)	Studies on Polymorphism of <i>Cepaea normoralis</i> (Mollusca: Pulmonata)	<b>Thiagarajar College. (MKU)</b>	<b>2008</b>
4.	<b>S.Sethuramalingam,</b> (06615015)	Effects of plant extract of <i>Anamirta cocculus</i> on penial Complex of slug <i>Laevicaulis alte</i> (Mollusca: Pulmonate)	<b>Alagappa University</b>	<b>2008</b>
5.	<b>R. Kavitha,</b> (06CD25470)	DNA Characterization of <i>Azospirillum lipoferum</i>	<b>Bharathidasan University</b>	<b>2008</b>
6.	<b>P.Vidhyatharan,</b> (2354262)(DLP)	Impact of lead toxicity on food web of selected areas in Madurai District.	<b>Manonmaniam Sundaranar University</b>	<b>2008</b>

7.	<b>S.Saravanakumar,</b> (06Cd-5971)	Effect of different concentration of Dichlorvos on the earthworm <i>Lumbricus terrestris</i> .	<b>Bharathidasan University Thiruchi-3</b>	<b>2008</b>
8.	<b>T.Sangaralingam,</b>	Effect of Dichlorvos on the brain Acetylcholine esterase activities of fish <i>Oreochromis mossambicus</i> .	<b>Bharathidasan University Thiruchi-3</b>	<b>2008</b>
9.	<b>M. Shobana,</b> (603131090051)	Biodegradation, bioconversion of agricultural wastes (Biomass) for the production of Xylanase enzyme by <i>Streptomyces.sp.</i> , and <i>Bacillus.sp</i>	<b>Vinayaka Missions University</b>	<b>2009</b>
10.	<b>A.Nivethitha,</b> (08MZ07)	Effectes of <i>Tribulus terrestris</i> plant extract on the biochemical contents of male and female reproductive organs in <i>Bradybaena similaris</i> (Mollusca: Gastropoda)	<b>Thiagarajar college (MKU)</b>	<b>2009</b>
11.	<b>Syed HussainPeeran,</b> (6cd 25982)	PCR-RAPD Characterization of <i>Musca domestica</i> L.	<b>Bharathidasan University</b>	<b>2009</b>
12.	<b>KN.Selvarani,</b> (10MZ08)	Polymorphism in shell bands of <i>Cepaea nemoralis</i> (Mollusca: Gastropoda).	<b>Thiagarajar college</b>	<b>2011</b>
13.	<b>K.SolaiArasi,</b> (10MZ09)	Biomarkers quantification in nickel and zinc exposed bivalves <i>Lamellidens corrianus</i>	<b>Thiagarajar college</b>	<b>2011</b>
14.	<b>E. Karthika,</b> (30014M14008)	Molluscicidal activities methanol extract of <i>Leucas aspera</i> in the slug <i>Laevicaulis alte</i> (Mollusca: Pulmonate)	<b>Thiruvalluvar University, Vellore.</b>	<b>2014</b>
15.	<b>S. Pushpa raj,</b> (30014M14010)	Studies on the phytochemical characterization of <i>Pergularia daemia</i> and its impact on the ovotestis of <i>Laevicaulis alte</i> (Mollusc:Pulmonate)	<b>Thiruvalluvar University, Vellore.</b>	<b>2014</b>



16.	<b>Anbu,</b> (300P14M14001)	Antifungal activities of fractions of <i>Annona squamosa</i> plant extract against the fungal species <i>Aspergillus niger</i> , <i>Aspergillus flavus</i> and <i>Aspergillus fumigates</i>	<b>Thiruvalluvar University, Vellore.</b>	<b>2014</b>
17.	<b>S. Parasuraman,</b> (300P14M14005)	Antifungal activities of methanol extract of leaf of <i>Catharanthus roseus</i> against <i>Candida albicans</i> .	<b>Thiruvalluvar University, Vellore.</b>	<b>2014</b>
18.	<b>C. Loga,</b> (300P14M14004)	Water quality index related plankton community in the Unnamed pond of Melvisharam.	<b>Thiruvalluvar University, Vellore.</b>	<b>2015</b>
19.	<b>R. Thirumal,</b> (300P14M14010)	Studies on the analysis of physico-chemical parameters and zooplankton assemblage in unnamed eutrophication pond in Melvisharam.	<b>Thiruvalluvar University, Vellore.</b>	<b>2015</b>
20.	<b>A. Vithya,</b> (30015FM14012)	Dark-Moon lunar effects on phytochemicals of <i>Clerodendrum inerme</i> .	<b>Thiruvalluvar University, Vellore.</b>	<b>2016</b>
21.	<b>M. Thenmozhi,</b> (30015FM14009)	Influence of lunar effects on phytochemicals of <i>Clerodendrum inerme</i> collected at full-moon and normal days	<b>Thiruvalluvar University, Vellore.</b>	<b>2016</b>
22.	<b>V. Sasikala,</b> (30015PM14007)	Fluctuation of some selected physical parameters in the Ponnai River during monsoon period-2015.	<b>Thiruvalluvar University, Vellore.</b>	<b>2016</b>
23.	<b>G. Sathiyaraj,</b> (30014PM14008)	Trace elements load in the Ponnai River during monsoon period – 2015.	<b>Thiruvalluvar University, Vellore.</b>	<b>2016</b>
24.	<b>R. Priyanka,</b> (30016FM14003)	Determination of phytochemicals by GC-MS in the leaves of <i>Lucas aspera</i> .	<b>Thiruvalluvar University, Vellore.</b>	<b>2017</b>
25.	<b>S. Balaji,</b> (30015FM14001)	FTIR analysis of <i>Tinospora cordifolia</i> for bioactive compounds.	<b>Thiruvalluvar University, Vellore.</b>	<b>2017</b>

26.	<b>G. Sujajaculine,</b> (30015PM14007)	Lunar effect on phytochemicals of <i>Sphaeranthus indicus</i> .	Thiruvalluvar University. Vellore.	2017
27.	<b>N.Premalatha,</b> (30016PM14007)	GCMS analysis based phytochemicals in <i>Sarcostemma viminalis</i> and Its important medicinal uses	Thiruvalluvar University. Vellore	2018
28.	<b>V.Chendurkani,</b> (30016PM14002)	Analysis of the methanolic plant extracts of <i>Sarcostemma viminalis</i> and <i>Solanum surattense</i> for their bioactive phytochemicals	Thiruvalluvar University. Vellore	2018
29.	<b>V.Amul,</b> (30016PM14001)	GCMS analysis of <i>Solanum surattense</i> for their bioactive phytochemicals and antifungal activities against <i>Aspergillus niger</i>	Thiruvalluvar University. Vellore	2018
30.	<b>M. Saritha,</b> (30017PM14010)	Bioactive phytochemicals analysis in plant <i>Artemisia pallens</i> by GCMS	Thiruvalluvar University. Vellore	2019
31.	<b>M. Subburaj,</b> (30017PM14011)	GCMS analysis of the ethanolic plant extracts of <i>Vitex negundo</i> for phytochemicals study	Thiruvalluvar University. Vellore	2019
32.	<b>R. Thambidurai</b> (30018PM14007)	Validation of bioactive phytochemicals of <i>Wrightia tinctoria</i> and its biological activities	Thiruvalluvar University. Vellore	2020

### ➤ M.Sc. Guidance

S.No.	Name of the student and Reg. No	Title of the thesis	Year	Degree	Submitted/Awarded	Institution
1.	<b>M. Selvaraj</b>	Lead elevation and their impact on drivers and painters	2002	B.Sc	Awarded	Ayya Nadar Janaki Ammal College, Sivakasi.

2.	<b>J. Jeyabharati</b>	Drinking water quality and around Madurai city	2008	M.Sc	Awarded	Thiagarajar College, Madurai.
3.	<b>K. Solaiarasi</b>	Identification and characterization of an effective antifungal antibiotic producing <i>Bacillus cereus</i> bacterial strains from home living spider <i>Phocus phalangoides</i> species	2010	M.Sc	Awarded	Thiagarajar College, Madurai.
4.	<b>E. Ananthi</b>	Copper accumulation in different concentration of Copper Sulphate exposed fresh water mussel <i>Lamelliden marginalis</i>	2012	M.Sc	Awarded	Thiagarajar College, Madurai.
5.	<b>G. Jayanthi</b>	Bioaccumulation of Cadmium in different concentration of Cadmium chloride exposed <i>Lamelliden marginalis</i>	2012	M.Sc	Awarded	Thiagarajar College, Madurai.
6.	<b>R. Divya</b>	Bioaccumulation of Cadmium in different concentrations of Cadmium exposed <i>Lamelliden corrianus</i>	2014	M.Sc	Awarded	Thiruvalluvar University, Vellore.
7.	<b>R. Poornima</b>	Heavy metals total coliform and <i>E.oli</i> contamination of commercially available packaged drinking water in the Vellore city	2014	M.Sc	Awarded	Thiruvalluvar University, Vellore.
8.	<b>T.R. Gajalakshmi</b>	Dust fall rate in winter, summer, monsoon and post monsoon seasons at Urban and Semi-urban areas of Ranipet, Vellore District	2014	M.Sc	Awarded	Thiruvalluvar University, Vellore.
9.	<b>E. Divya</b>	Antifungal properties of CDCUNS (Cow Dung, Urine and Neem Seed) Mixture	2014	M.Sc	Awarded	Thiruvalluvar University, Vellore.

10.	<b>N. Bharathiraja</b>	Antifungal activities of phytochemicals of <i>Eclipta prostrata</i> against the fungal species of <i>Aspergillus niger</i> and <i>aspergillus flavus</i>	2015	M.Sc	Awarded	Thiruvalluvar University, Vellore.
11.	<b>R. Yasothavathi</b>	Molluscicidal activities of methanol extract fractions of <i>Clerodendrum inerme</i> on the ovotesties of <i>Laevicaulis alte</i>	2015	M.Sc	Awarded	Thiruvalluvar University, Vellore.
12.	<b>V. Kousalya</b>	Effect of methanol extract of Leaves of <i>Euphorbia hirta</i> on the oviduct of <i>Laevicaulis alte</i>	2015	M.Sc	Awarded	Thiruvalluvar University, Vellore.
13.	<b>M. Amutha</b>	Studies on the evaluation of antifungal activities of <i>Clerodendrum inerme</i> against some selected fungal species	2016	M.Sc	Awarded	Thiruvalluvar University, Vellore.
14.	<b>S. Pushpalata</b>	Biodegradation and Bioconversion efficacy of xylanase enzyme of <i>Streptomyces sp.</i> And <i>Bacillus sp</i> on agricultural wastes (Biomass)	2016	M.Sc	Awarded	Thiruvalluvar University, Vellore.
15.	<b>S. Vasanthi</b>	Occupational diseases related morbidity and among the Ranipet area tannery workers	2017	M.Sc	Awarded	Thiruvalluvar University, Vellore.
16.	<b>R. Mahalakshmi</b>	FTIR analysis of bioactive compounds from <i>Mollugo lotoides</i>	2017	M.Sc	Awarded	Thiruvalluvar University, Vellore.
17.	<b>G. Deepika</b>	GCMS screening for bioactive phytochemicals in the methanolic extract of <i>Seena italic</i>	2018	M.Sc	Awarded	Thiruvalluvar University, Vellore.
18.	<b>M. Bagyalakshmi</b>	Antifungal activities of methanol leaf extract of <i>Agle marmelos</i> against <i>Candida albicans</i>	2018	M.Sc	Awarded	Thiruvalluvar University, Vellore.
19.	<b>S. Arthi</b>	A study on phytoplankton species abundance in natural fresh water pond of Thiruvalluvar University.	2021	M.Sc	Awarded	Thiruvalluvar University, Vellore.

20.	<b>S. Sukanya</b>	A study on physic-chemical parameters in the natural fresh water pond of Thiruvalluvar University.	2021	M.Sc	Awarded	Thiruvalluvar University, Vellore.
-----	-------------------	--	------	------	---------	------------------------------------

## ➤ B.Sc. Guidance

S.No.	Name of the student and Reg. No	Title of the thesis	Year	Degree	Submitted/Awarded	Institution
1	<b>S. Karthika J. Malarvizhi D. Ramathilagam V. Roshini J. Saranya</b>	Antifungal activities of plant extract of <i>Cassia alata</i> against <i>Aspergillus niger</i>	2008	B.Sc	Awarded	Thiagarajar College, Madurai.
2	<b>S. Vinoth V. Shanmugasundaram</b>	Antifungal properties of CDCUNS (Cow Dung, Urine and Neem Seed) Mixture	2009	B.Sc	Awarded	Thiagarajar College, Madurai.

## ➤ Members

- Appointed as a **Senate Member** by Pro-Chancellor by Governor, Tamilnadu Government to the Manonmanium Sundaranar University, Tirunelveli, on 24.01.2013 to 24.01.2016.
- Appointed as a **University nominee** for Sri Parasakthi College for women, Courtallam, during 2013-2016 by Vice-Chancellor, Manonmanium Sundaranar University, Tirunelveli.
- Appointed as a **SC/ST nominee** for selection committee to Erode Arts and Science College by Vice-Chancellor of Bharathiyar University.
- Appointed as the **Director, Centre for Outreach**, Thiruvalluvar University, Serkkadu-

115.

- **Life Member in Society of Biological Chemists** Membership No.1307.
- Appointed as a **University nominee** for **C.Abdul Hakeem College**, Melvisharam, by Vice-Chancellor, Thiruvalluvar University, Serkkadu-115.
- **Member as Board of studies**, Thiruvalluvar University, Serkkadu-115.
- Appointed as **Academic Council Member** of Thiruvalluvar University by Governor, Tamilnadu Government (2018-2020).
- Appointed as Thiruvalluvar University **Students Alumini Association** by Vice-Chancellor, Thiruvalluvar University, Serkkadu-115.

### ➤ External examiner for Ph.D. Viva-Voce

S. No	Name of the Candidate	Title	University/ College	Year
1	S. Venkatesan	Chelating properties of spirulina against atrazine toxicity on biochemical, enzymological and histopathological changes in <i>Cyprinus carpio</i> (Linn)	Annamalai University	2013
2	K. Gautam	Studies of morphometric, haplotype divergence reproductive efficiency of males and influence of the probiotic ( <i>Bacillus sp</i> GNI) on the growth performance of <i>litopenaeusvannamei</i> (Bonne 19310 FROM FLORIDA, Thailand and India	Annamalai University	2015

3	<b>A.Revathi</b>	Ameliorative properties of <i>Pisonia alba</i> against atrazine toxicity in the albino wister rat <i>Rattus norvegicus</i>	Annamalai University	2017
4	<b>S. Thamaraiselvi</b>	Biochemical studies in a chosen fresh water fish	Yadava College, Madurai	2018
5	<b>T. Palin sathyasudha</b>	Effect of plant oils on the haemolymph protein in chosen lepidopteran pest	Yadava College University	2018
6	<b>K. Durairaj</b>	Isolation and characterization of microorganism and biodegradation of electroplating effluents in Salem district	Bharathidasan University, Tiruchirapalli	2019
7	<b>M. Deivanayaki</b>	An assessment of land use and land cover changes and human-wildlife conflict with special reference to people's perception in Annamalai tiger reserve, Western Ghatts, Tamilnadu, India	Bharathiyar University	2020

## ➤ Research Publications

1. K.Pugazhandy, V. Meenakshi, **M.Chandran** and N. Indra, 1999. Enzymatic changes due to chronic effect of mercury chloride in the fresh water fish *Cyprinus carpio* (linn) fingerlings. Sustainable environment (Ed.N. Sukumaran) 209-214.

2. **M.Chandran** and S. Baskaran, 2001. Effect of *Tephrosia purpurea* extract on albumen gland of slug *Laevicaulis alte* [Ferussac] [Mollusca:Gastropoda]. *Bionotes*3(3).-ISSN-0972-1800.
3. P.Murugan and **M.Chandran**, 2001. Studies on the effect of plant extract *Tephrosia purpurea* on the ovotestis of slug *Laevicaulis alte* (Ferussac) [Mollusca:Gastropoda]. UttarPradesh. *J.Zoology*.1 (2):217-220.-ISSN-)256-971X. <https://mbimph.com/index.php/UPJOZ/article/view/168>
4. **M.Chandran** and A. Rajkumar, 2001. Morbidity and Mortality among quarry and stone crusher workers of Madurai South Taluk. *Nature Environment and Pollution Technology*,1(2):217-220.-ISSN-0972-6268.
5. **M.Chandran** and SP.SeverKodiyon, 2003. Molluscicidal activities of plant extract of *Phyllanthus niruri* on Prostate gland of *Laevicaulis alte* [Ferussac] [Mollusca:Gastropoda].*J. Experiment. Zoology*,6(1):151-156.-ISSN-0972-0030. <https://eurekamag.com/research/003/852/003852785.php>
6. **M.Chandran** and A.K. Kumaraguru, 2003. Influence of varies salinities of the ambient medium on the blood serum osmolality of *Cyprinus carpio*. *Indian J.Anim.Res.*37 (2):79-84.ISSN-0367-6722.<https://arccjournals.com/journal/indian-journal-of-animal-research/ARCC3387>
7. **M.Chandran**, M.Selvaraj and N.Alaguchamy, 2006. Lead toxicity related systolic blood pressure elevation in the painters of Sivakasi town. *Poll Res.*25 (2):281-283.ISSN-0257-8050.
8. N.Alaguchamy and **M.Chandran**, 2008 Effect of selected pesticide on Phytoplankton productivity. *J. Ecotoxicol .Environ.monit.* 18(6)597-601.-ISSN-0971-0965-08-18-597.
9. **M.Chandran**, S.Subbulakhmi, R.Purusothaman, R. Ravichandran and N.Alagusamy 2008. Lead content of blood and hair of Smelters and their impact on hemoglobin and protein content. *J. Ecotoxicology. Environ. monitoring.* 18(3)217-222.-ISSN-0971-0965-08-18-217.



10. **M.Chandran**, R. Purusothaman, S. Subbulakhmi and R.Ravichandran. Influence of Kadett -36 on the ionic composition of fish *Oreochromis mossambicus*. *Ecotoxicology & Environmental monitoring. Palan Paramount.Palani.*-ISSN-0971-0965.
11. Sasireka, H.kanmani and **M.Chandran**. 2008. Correlation between air borne fungal spores and lung diseases in Madurai, Tamil Nadu. *Bionotes*, 10 (2)63.- ISSN-0972-1800.
12. K. Shameem Rani, M. Mumtaz and **M. Chandran**. 2014. Climate changes and its impact on fish with reference to antibiotic resistant enteric bacteria and heavy metal accumulation. *International Journal of Pure and Applied Zoology*, ISSN: 2320-9577.  
<https://www.alliedacademies.org/articles/climate-changes-and-its-impact-on-fish-with-reference-to-antibiotic-resistant-enteric-bacteria-and-heavy-metal-accumulation.pdf>
13. **Muthiah Chandran**. 2014. Screening of bioactive phytochemicals in the methanolic extract of fresh and wet photosynthetic leafless stem of *Sarcostemma viminalis* by FTIR analysis. *Indo American Journal Of Pharmaceutical Sciences (IAJPS)*, 1(2): 166-170.
14. **Dr. M. Chandran**. 2014. FT-IR analysis of methanol extract of leaf of *Tinospora cardifolia*. *Indo American Journal Of Pharmaceutical Sciences (IAJPS)*, 1(5): 393-405.
15. **Muthiah Chandran**. 2014. FTIR analysis of bioactive phytochemicals from methanol extract of leaf of plant *Solanum surattense* (Solanaceae). *Indo American Journal Of Pharmaceutical Sciences (IAJPS)*, 1(3): 199-203.
16. **Muthiah Chandran**. 2014. GCMS analysis of phytochemicals from methanol leaf extract of *Artemisia pallens*. *Journal of Emerging Technologies and Innovative Research (JETIR)*, 1(3): 375-388.
17. **Dr. M. Chandran**. 2014. FT-IR analysis of methanolic extract of leaf of *Indigofera tinctoria*. *Journal of Emerging Technologies and Innovative Research (JETIR)*, 1(5): 408-414.
18. **Dr. M. Chandran**. 2015. Lunar impact on biosynthesis of secondary metabolites in plants *Clerodendrum inerme*(L.).Gaertn. *Indo American Journal Of Pharmaceutical*

*Sciences (IAJPS)*, 2(3): 761-772.

- 19. Muthiah Chandran. 2015.** Analysis of phytochemicals in the methanolic extracts of plant *Sphaeranthus indicus* using FT-IR. *American Journal Of Pharmaceutical Sciences (IAJPS)*, 2(5): 978-982.
- 20. Muthiah Chandran. 2015.** Phytochemicals screening in the methanolic leaf extract of plant *Senna italica* by GCMS analysis. *Journal of Emerging Technologies and Innovative Research (JETIR)*, 2(6): 389-400.
- 21. Dr. M. Chandran. 2015.** FT-IR analysis of methanol extract of leaves of *Mollugo lotoides*. *Journal of Emerging Technologies and Innovative Research (JETIR)*, 2(4): 415-424.
- 22. K. Kavipriya and M. Chandran. 2016.** Analysis of Phyto-Constituents and Free Radical Neutralizing activity of *Cassia alata*—A Green Source for Ag Np's Synthesis. *International Journal of Current Microbiology and Applied Sciences*, ISSN: 2319-7706.  
<https://www.ijcmas.com/5-4-2016/K.%20Kavipriya%20and%20M.%20Chandran.pdf>
- 23. D. Kosalai and M. Chandran. 2016.** Phytochemical Analysis and Anti-Oxidant Activity of Gold Nanoparticles Synthesizing Plant – *Silybum marianum*. *International Journal of Current Microbiology and Applied Sciences*. ISSN: 2319-7706.  
<http://dx.doi.org/10.20546/ijcmas.2016.504.055>
- 24. M. Chandran, N. Bharathiraja, R. Mangaleshwari and M. Thiruvalluvan. 2016.** Isolation and characterization of chromium reducing *Bacillus Sp.* from soil samples of tannery Industries at Ranipet, Vellore District. *World journal of pharmacy and pharmaceutical sciences*. ISSN-2278-4352. [https://storage.googleapis.com/journal-uploads/wjpps/article\\_issue/1464686018.pdf](https://storage.googleapis.com/journal-uploads/wjpps/article_issue/1464686018.pdf)
- 25. M. Chandran, M. Mumtaz, M. Thiruvalluvan and R. Mangaleshwari. 2016.** Heavy metals load and its impact on surface water quality of Vaigai River near at Madurai City. *World journal of pharmacy and pharmaceutical sciences*. ISSN-2278-4352.  
[https://storage.googleapis.com/journal-uploads/wjpps/article\\_issue/1462792087.pdf](https://storage.googleapis.com/journal-uploads/wjpps/article_issue/1462792087.pdf)
- 26. M.Chandran, R. Mangaleshwari, KR.Udhayavani and Kadarkarai Murugan. 2016.** Studies on FTIR analysis of fraction I and II of *annona squamos* methanol leaf extract.

*World journal of pharmacy and pharmaceutical sciences.* ISSN-2278-4352.  
[https://storage.googleapis.com/journal-uploads/wjpps/article\\_issue/1469874198.pdf](https://storage.googleapis.com/journal-uploads/wjpps/article_issue/1469874198.pdf)

27. T. Mathuram, **Muthiah Chandran** and K. Dinakaran. 2017. Study on physico-chemical parameters of surface water of Vaigai River near Madurai city, Tamil Nadu, India. *IJCRT*, Vol(5), 2320-2882. <http://ijcrt.org/papers/IJCRT1704306.pdf>
28. I. Malaichelvi and **M. Chandran**. 2017. Polymorphic characteristics of terrestrial snails *Trachea vittata* in semiarid micro habitat. *IJCRT*, 6(4), 175-180. [https://www.ijssr.org/down\\_692.php](https://www.ijssr.org/down_692.php)
29. K. Kavipriya and **M. Chandran\***.2018. Ftir and gcms analysis of bioactive phytochemicals in methanolic leaf extract of *Cassia alata*. *Biomedical & Pharmacology Journal*. 11(1), 141-147. <http://dx.doi.org/10.13005/bpj/1355>
30. I. Malachelvi, **M. Chandran\*** and R. Mangaleshwari. 2018. Insight on morphology and biology of land snail *Trachia vittata* (Mueller)- A classical view. *JCRT*. (6), 468-474. <http://www.ijcrt.org/papers/IJCRT1813511.pdf>
31. M. Muthunagai, **M. Chandran\*** and R. Mangaleshwari. 2018. Chromium, Cadmium and Lead accumulation in biological indices and related occupational diseases of tannery workers on Ranipet, Vellore District. *IJCRT*.6(2), 167-181. <http://ijcrt.org/papers/IJCRT1807257.pdf>
32. M. Mumtaz, **M. Chandran\*** and R. Mangaleshwari. 2018. Cadmium and chromium level in the sediment samples of selected sites of Vaigai River during monsoon -2011. *IJCRT*. 6(2), 182-196. <http://www.ijcrt.org/papers/IJCRT1807258.pdf>
33. Durgadevi Ganesan, Ajaikumar Samikannu, **Chandran Muthaiah**, Kuppusamy Muniyan Ramasamy, Dinakaran Kannaiyan. 2019. Synthesis and characterization of CdS nanoparticle anchored Silica-Titania mixed Oxide mesoporous particles: Efficient photocatalyst for discoloration of textile effluent. *IJND-International Journal of Nano Dimension*.10(3): 272-280. [http://www.ijnd.ir/article\\_664218\\_e9402d4dfb2b306ed63ba3105b6b5a54.pdf](http://www.ijnd.ir/article_664218_e9402d4dfb2b306ed63ba3105b6b5a54.pdf)

34. V. Seetha and **M. Chandran**. 2020. Chlorophyll-a related water quality in selected quarry rock ponds of Madurai District. *International Journal of Research and Analytical Review*. 7 (2): 505-513.
35. V. Seetha and **M. Chandran**. 2020. Comparative Analysis of the Physicochemical Parameters of Selected Pond Water Samples in and around Vellore District, India. *International Journal of Current Microbiology and Applied Sciences*. 9(4):1373-1382. <https://doi.org/10.20546/ijcmas.2020.904.163>
36. N. Bharathiraja and **M. Chandran**. 2020. Antioxidant and antimicrobial potential of wild edible mushrooms *Lycoperdon pyriforme*, *Arimillariaia tabescens* and *Agaricus bisporus* collected from foothills of eastern ghats. *Journal of Emerging Technologies and Innovative Research*. 7(7): 1988-2006. <http://www.jetir.org/papers/JETIR2007253.pdf>
37. N. Bharathiraja and **M. Chandran**. 2020. Nutraceutical potential of three wild edible mushrooms *Lycoperdon pyriforme*, *Arimillaria tabescens* and *Agaricus bisporus* available in the foothills of Eastern Ghats near Ponnai, Vellore District. *International Journal of Emerging Technologies and Innovative Research*. 7(7): 46-55. <http://www.jetir.org/papers/JETIR2007305.pdf>
38. R. Mangaleshwari and **M. Chandran**. 2020. In-vitro free radical scavenging and anticancer potential of methanol leaf extract of plant *Bacopa monnieri* against HCT15-Cell line. *International journal of engineering applied science and technologies*. 7(9):300-309. <https://www.ijeast.com/papers/300-309,Tesma504,IJEAST.pdf>
39. D. Kosalai and **M. Chandran**. 2020. Antilithiasic and hypolipidaemic effect of AuNPs

of *Sylibum marianum* on lithogenic diet fed mice gallbladder. *Journal of emerging technologies and innovative Resarch.* 7(9):344-360.

<http://www.jetir.org/papers/JETIR1908C44.pdf>

## ➤ Published Books

S. No.	Title	Authors	Publisher	Published year	Publisher & ISSN/ ISBN No.
1	Fundamentals Of Statistics	Dr. M. Chandran	Mouriyar Publication	2017	9788192104720
2	Description: Common Insects In India	Dr. M. Chandran	Mouriyar Publication	2017	9788192104744
3	Heavy Metals Toxicity	Dr. M. Chandran	Mouriyar Publication	2017	9788192104737
4	Essentials Of Immunology	Dr. M. Chandran	Mouriyar Publication	2017	978192104782

## ➤ Events Organized/ Organizing Member

- Organizing Committee Member as “National Symposium on Biodiversity” 18-20-Feb-2015 Department of Zoology, Thiruvalluvar University, Serkkadu-115.
- Organizing Committee Member as “International Symposium on Conservation of Aquatic & Terrestrial Biodiversity (ISCATBIO-2016) 28th - 30th September 2016, Department of Zoology, Thiruvalluvar University, Serkkadu-115.
- Organizing Committee Member as “IWACASB-2017” 18th - 19th September 2017 Department of Zoology, Thiruvalluvar University, Serkkadu-115.

- Organizing Secretary and Convener as “National Symposium on Recent Scenario of Environmental Pollution in India (NSRSEPI-2017)” 5th October 2017 Department of Zoology, Thiruvalluvar University, Serkkadu-115.
- Organizing Secretary and Convener as Thiruvalluvar University inter collegiate cultural retreat-2020 on 10th Jan- 2020, Centre for Outreach, Thiruvalluvar University, Serkkadu-115.
- Organizing Committee Member as “International Conference on Trans disciplinary & Innovative Research in Science” 26-28th Feb-2020, Department of Zoology, Thiruvalluvar University, Serkkadu-115.

### ➤ Orientation program Member

Title of the Course	Place	Duration(No.ofWeeks/Days)	Period
UGC Sponsored Orientation programme	Madurai Kamaraj University	28 days	24-09-2008 to 21-10-2008
UGC Sponsored Refresher course on “Tools and techniques in biological research”	Madurai Kamaraj University	22 days	16-11-2012 to 06. 12.2012

### ➤ International/ National- Seminar/ Conferences/ Workshops/ Participated/ Presented

1. A.K. Kumaraguru and **M.Chandran.** (1995). Effect of various osmotic concentration of the ambient medium on the blood serum osmolality and haematocrite values of common

carp *Cyprinus carpio*. Fourth Asian Fisheries Forum Symposium, Beijing, China. October 1995.

2. **M. Chandran**, K. Pugazhenthii and D. Mahalakshmi. (1996). Impact of temperature and salinity on colour changes in *Oreochromis mossambicus* (peter) Lab to land, National symposium. Annamalai University, Annamalai Nagar-8-9 March 1996.
3. S. Vijayalakshmi, **M. Chandran**, Muniyan and S.Hemalatha. (1998). Heavy metal pollution in Chidambaram town and their positive correlation with fungal assemblage. Environment impact assessment, monitoring and management. State level seminar. Research department of Zoology. Erode Arts college (autonomous), 27-28 February 1998.
4. S. Vijayalakshmi, **M. Chandran**, T. Vivekandandan and K. Iyyappan.(1998). Air borne fungal and their related allergic disease at Chidambaram town in Tamil Nadu. Environment impact assessment, monitoring and management. State level seminar. Research department of Zoology. Erode Arts college (autonomous),27-28 February 1998.
5. S. Vijayalakshmi and **M. Chandran**, T. Vivekandan, PR. KarpagaGanapathy. (1998). Dust pollution in around the Chidambaram town. Environment impact assessment, monitoring and management. State level seminar. Research department of Zoology. Erode Arts college (autonomous),27-28 February 1998.
6. **M. Chandran**, M. Selvaraj and N. Alaguchamy. (2001). Effect of plant extract of *Tephrosia purpurea* on the histology of the prostate gland of the slug *Laevicaulis alte* (Ferussac)(Mollusca: Gastropoda). Molecular Reproduction and biomedicine. Department of Biotechnology and Microbiology. Ayya Nadar JanakiAmmal College. Sivakasi.12-14 October,2001.

7. **M. Chandran**, N. Alaguchamy and P. Murugan. (2001). Effect of plant extract of *Tephrosia purpurea* on the glucose and glycogen level of reproductive organs of slug *Laevicaulis alte* (Ferussac)(Mollusca: Gastropoda). Molecular Reproduction and biomedicine. Department of Biotechnology and Microbiology. Ayya Nadar Janaki Ammal College. Sivakasi.12-14 October,2001.
8. A. Soliappan, **M. Chandran** and S. Baskaran. (2004). Lead toxicity related hypertension and creatinine level among the printing press workers. Pollution A Death Knell to Environment. State level seminar, Dept of Zoology (Industrial Microbiology)RDGA Govt arts College, Sivagangai,2-3, December,2004.
9. **M. Chandran** and N.Alaguchamy. (2004). Lead and cadmium contamination in drinking water of urban, semi urban and rural area of Madurai District. State level seminar, Dept of Zoology (Industrial Microbiology) RDGA Govt arts College, Sivagangai, 2-3, December, 2004.
10. N. Sasirekha, S. Bhoominathan, R. Subramanian and **M. Chandran**. (2010). A study on utilization of weed plants *Ipomea carnea*, *Acalypha indica* and *Tridax procumbens* in vermicompost production by using earthworm *Eudrilus eugeniae*.
11. KR.Udhayavani, N.Sasirekha, G.Chandran and **M.Chandran**. (2010). Heavy metals accumulation level in the milk samples from different locations of Madurai District, in the National Conference, Department of Zoology & Microbiology, J.J College of Arts and Science, Pudukkottai on 6<sup>th</sup> and 7<sup>th</sup> August' 2010.
12. Subramanian, M. Mumtaz, M. Poornarathinapriya and **M. Chandran** (2010).Efficiency of *Rhizobium* and *Aztobacter* in the presence of tryptophan the precursor of auxin (indole-3-acetic acid ). International Conference on “Keyrole of life science for Sustainable



Development in the World” on 30<sup>th</sup>& 31<sup>st</sup> August 2010 organized by Department of Life Science, Hindusthan College of Arts & Science, Chennai.

13. N. Sasirekha, G. Chandran, D. Kannammal, KR. Udhayavani and **M. Chandran** (2010). Heavy metals load in Vaigai River near Madurai District. International Conference on “Key role of life science for Sustainable Development in the World” on 30<sup>th</sup>& 31<sup>st</sup> August 2010 organized by Department of Life Science, Hindusthan College of Arts & Science, Chennai.
14. KR. Udhayavani, N. Sasirekha, G. Chandran, S. Boominathan and **M. Chandran**. (2010). Impact of urbanization on loss of habitation to aquatic animals. International Conference on “Key role of life science for Sustainable Development in the World” on 30<sup>th</sup>& 31<sup>st</sup> August 2010 organized by Department of Life Science, Hindusthan College of Arts & Science, Chennai.
15. K. Shameem Rani and **M. Chandran**. (2010). Heavy metal range in the different site along the length of kollidam cauvery estuary regions. “Key role of life science for Sustainable Development in the World” on 30<sup>th</sup>& 31<sup>st</sup> August 2010 organized by Department of Life Science.
16. G.Chandran, N. Sasirekha, D. Kannammal and **M. Chandran**. (2010). Habitation loss for fresh water mollusk in Madurai District. “Key role of life science for Sustainable Development in the World” on 30<sup>th</sup>& 31<sup>st</sup> August 2010 organized by Department of Life Science, Hindusthan College of Arts & Science, Chennai.
17. K. Shameem Rani and **M.Chandran** (2010). Screening and characterization of bacteriocin produced *vibrio* sp. from fishes inhabiting in Cauvery estuary.. International Conference on food Technology on 30<sup>th</sup> and 31<sup>st</sup> October 2010, Organized by Indian

Institute of Crop Processing Technology.

18. N. Sasirekha and **M.Chandran** (2010). Antagonistic activities of bacteriocin produced by lactic acid bacteria isolated from vegetables in the market of Madurai District. International Conference on food Technology on 30<sup>th</sup> and 31<sup>st</sup> October 2010, Organised by Indian Institute of Crop Processing Technology.
19. R. Subramanian. K. Barathi, K. Shameem Rani and **M.Chandran** (2010). Evolution of lead degrading capacity of *Arthro bacter* bacterial sp isolated from metal plating industrial effluents. International Conference on food Technology on 30<sup>th</sup> and 31<sup>st</sup> October 2010, Organized by Indian Institute of Crop Processing Technology.
20. N.Sasirekha and **M.Chandran** (2010). Dust pollution and incidence of arrhythmia among the road side shop keeper. International congress on Nutrition in Cardiovascular Disease on 15<sup>th</sup> and 16<sup>th</sup> November, 2010. Organized by Annamalai University.
21. G. Chandran, K. SolaiArasi and **M.Chandran** (2010). Influence of sprouted bean diet on LDL level and the decline of cardiovascular risks. International congress on Nutrition in Cardiovascular Disease on 15<sup>th</sup> and 16<sup>th</sup> November, 2010. Organized by Annamalai University.
22. K. Shameem Rani and **M.Chandran** (2010). PM10 level and prevalence of cardiovascular disease among the stone crusher workers in Madurai District. International congress on Nutrition in Cardiovascular Disease on 15<sup>th</sup> and 16<sup>th</sup> November, 2010. Organized by Annamalai University.
23. D. Kannammal and **M. Chandran (2010)**. Mechanism and intermediate host status of *Laevicaulis alte* in spreading of schistosome disease. International Conference

biotechnology for better life on 15<sup>th</sup> and 16<sup>th</sup> November 2010. Organized by Kallasillingam University.

24. N.Sasireka and **M.Chandran** presented a paper on "Accumulation of heavy metals on the human food chain of the different sites in the Madurai rural District" International conference, Department of Botany, Nirmala College for Women, Coimbatore on 7<sup>th</sup> and 8<sup>th</sup> October ; 2010.
25. N.Sasirekha, G.Chandran and **M.Chandran (2011)**. Presented a paper on "Magnesium rich rice bran as a natural food for the treatment of cardio vascular related disease" in the International, Department of Food Science, Periyar University, Salem on 19<sup>th</sup> November.
26. N.Sasirekha and **M.Chandran (2011)**. Presented a paper on "Rural methods in the green gram, red gram and black gram preservation and the scientific facts behind them" in the International Conference, Department of Food Science, Periyar University, Salem on 20<sup>th</sup> to 22<sup>st</sup> January' 2011.
27. N.Sasirekha and **M.Chandran** presented a paper on "Heavy metals accumulation in the selected irrigation ponds of Madurai District" in the National Conference, Department of Zoology , Khadir Mohideen College, Adirampattinam on 12<sup>th</sup> and 13<sup>th</sup> February' 2011.
28. N.Sasirekha and **M.Chandran** presented a paper on "Improper utilization of pesticide and heavy metals accumulation risk in agricultural land" in the National Conference, Department of Zoology, Madras University, Chennai on 21<sup>st</sup> and 22<sup>nd</sup> February' 2011.
29. N.Sasirekha and **M.Chandran** presented a paper on "Heavy metals level in the hair samples of Madurai District inhabitants" in the National Conference, Department of Zoology, Annamalai University, Annamalai Nagar on 23<sup>rd</sup> and 24<sup>th</sup> March' 2012.
30. **Dr. M. Chandran** presented a paper on "Therapeutic claims of sinthil sarkkarai obtained

from *Tinospora cordifolia* in allergic asthma and bronchitis control” International seminar, on Department of Biotechnology, Justice basher ahmedsayeed college for women (Autonomous), Chennai 600 018.

31. N. Bharathi Raja, **Dr. M. Chandran** and R. Yasothavathi and presented a paper on “Antifungal activity of ethanolic leaf of extract of *cassia alata* against two dermatophyte fungus *Trichophyto nrubrum* and *Microporum canis*” in the International seminar, Department of Biotechnology, Justice basher ahmedsayeed college for women(Autonomous), Chennai600 018.
32. R. Yasothavathi, **Dr. M. Chandran** and N. Bharathi Raja presented a paper on “Antifungal activity of ethanolic leaf of extract of *Cassia alata* against two skin disease causing fungus candida and *Pencillium notatum*” International seminar, Department of Biotechnology, Justice basher ahmedsayeed college for women (Autonomous), Chennai 600 018.
33. K. KaviPriya, D. Kosalai and **Dr. M. Chandran** presented “ Screening of genus *Glinus*(mollugo) for Radical (ROS) scavenging activities” in the National Symposium on Bio diversity feb 18-20, Thiruvalluvar University, Vellore.
34. Malaiselvi and **Dr. M. Chandran** presented a paper on “Influence of soil type and composition on polymorphism of band pattern in *Trachea vittata* (Mollusc:Pulomonate) in the National Symposium on Bio diversity feb 18-20, Thiruvalluvar University, Vellore.
35. N.Sasirekha and **M.Chandran** presented a paper on “Heavy metals level in the hair samples of Madurai District inhabitants” National Conference, Department of Zoology, Annamalai University, Annamalai Nagar on 23rd and 24th March’ 2012.

36. T. Matharum and **Dr. M. Chandran** presented a paper on “Point and non-point of pollution load and their impact on biotic community of Vaigai River” in the in the National Symposium on Bio diversity feb 18-20, Thiruvalluvar University, Vellore.
37. V.Kousalya and **Dr. M. Chandran** presented a paper on “Evolution of possible medicinal uses of *Eclita prostrate* in curing of menstrual disorders” in the National Symposium on Bio diversity feb18-20, Thiruvalluvar University, Vellore.
38. N. Bharathi Raja, **Dr. M. Chandran** presented a paper on “Pharmacological screening of *Corallocarpus epigaes* roots for skin disease” in the National Symposium, RABT 2015, 26th 27thm feb 2015, Thiruvalluvar University, Vellore.
39. N. Bharathi Raja, **Dr. M. Chandran** presented a paper on “Evaluation of biosorption potency of *Escherichia coli* and *Bacillus cereus* in chromium removal isolated from the tannery effluent contaminated soil at Ranipet” International Conference, green energy & green environment, Sri tech-15, Jan 21st 2015,Nadar Saraswathi College of arts & science, Theni.
40. Kosalai D and **M.Chandran (2016)**. Entitled “Controlling of gene silencing in some incurable diseases”. UGC sponsored one day national seminar on recent advances in biological sciences. 28<sup>th</sup> January 2016 organized by Department of Zoology, Arignar Anna Government Arts College for Women, Walajapet.
41. Bharathiraja.N and **M.Chandran (2016)**. Entitled “Screening of free radical scavenging locally available medicinal plants from vellore district”. UGC Sponsored One day National Seminar On Recent Advances in Biological Sciences. 28<sup>th</sup> January 2016 organized by Department of Zoology, Arignar Anna Government Arts College for

Women, Walajapet.

42. Pushpalata.S, Bharathiraja.N Mangaleshwari .R, and **M.Chandran (2016)**. Entitled “Screening of chromium degrading bacterial species from the soil of tannery industries of ranipet industrial area”. UGC Sponsored One day National Seminar On Recent Advances in Biological Sciences. 28<sup>th</sup> January 2016 organized by Department of Zoology, Arignar Anna Government Arts College for Women, Walajapet.
43. Bharathiraja.N, Mangaleshwari .R and **M.Chandran (2016)**. Entitled “Screening of mushroom species from durgam hills to evaluate their medicinal value”. UGC Sponsored One day National Seminar On Recent Advances in Biological Sciences. 28<sup>th</sup> January 2016 organized by Department of Zoology, Arignar Anna Government Arts College for Women, Walajapet.
44. Kavipriya and **M.Chandran (2016)**. Entitled “Uses Of Medicinal Plants and Their Conservation”. UGC Sponsored One day National Seminar On Recent Advances in Biological Sciences. 28<sup>th</sup> January 2016 organized by Department of Zoology, Arignar Anna Government Arts College for Women, Walajapet.
45. Mathuram Kumar and **M.Chandran (2016)**. Entitled “Phytoplankton diversity and population fluctuation in the Vaigai River in relation to its physic-chemical parameter”. international conference on aquatic science , Biodiversity conservation and Management Strategies(InABC2016) on 26<sup>th</sup> - 28<sup>th</sup> September 2016 organized by Department of Zoology, Annamalai University, Annamalai Nagar-608002.
46. Mumtaz M and **M.Chandran (2016)**. Entitled “Water chemistry and eutrophication level man-made rock pond in Madurai Districts”. international conference on Aquatic science , Biodiversity conservation and Management Strategies (InABC2016) on 26<sup>th</sup> - 28<sup>th</sup>

September 2016 organized by Department of Zoology, Annamalai University, Annamalai Nagar-608002.

47. Muthunagai M and **M.Chandran (2016)**. Entitled “Study on some pollutants in the leather industry residential place: a case study in Ranipet, Vellore District”. international conference on Aquatic science , Biodiversity conservation and Management Strategies(InABC2016) on 26<sup>th</sup> - 28<sup>th</sup> September 2016 organized by Department of Zoology, Annamalai University, Annamalai Nagar-608002.
48. Muthunagai M and **M.Chandran (2016)**. Entitled “Impact of chromium containing inhalable dust from tannery industries rich Ranipet, Vellore District On Genetic Damage and Epigenetic Deregulation- A Study on Human population”. International Symposium on Conservation of Aquatic & Terrestrial Biodiversity (ISCATBIO-2016) on 28<sup>th</sup> - 30<sup>th</sup> September 2016 organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
49. Mangaleshwari R and **M.Chandran (2016)**. Entitled “Study on the effect of plant extract *bacopa monnieri* on serotonin ( 5 hydroxytryptamine,5-ht) level in the blood of wistar rat”. International Symposium on Conservation of Aquatic & Terrestrial Biodiversity (ISCATBIO-2016)” on 28<sup>th</sup> - 30<sup>th</sup> September 2016 organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
50. K. Kavipriya and **M.Chandran (2016)**. Entitled “GC-MS Analysis of phytocompounds from the leaves of *Cassia alata L*”. international Symposium on Conservation of Aquatic & Terrestrial Biodiversity (ISCATBIO-2016) on 28<sup>th</sup> - 30<sup>th</sup> September 2016 organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.

- 51.** Bharathiraja. N and **M.Chandran (2016)**. Entitled “Medicinal mushrooms: traditions of yesterday and drugs of tomorrow”. international Symposium on Conservation of Aquatic & Terrestrial Biodiversity (ISCATBIO-2016) on 28<sup>th</sup> - 30<sup>th</sup> September 2016 organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
- 52.** Vithya A and **M.Chandran (2016)**. Entitled “Does nevi on skin exhibit as hereditary character?”. international Symposium on Conservation of Aquatic & Terrestrial Biodiversity (ISCATBIO-2016) on 28<sup>th</sup> - 30<sup>th</sup> September 2016 organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
- 53.** Kosalai D and **M.Chandran (2016)**. Entitled “Gall stone prevention efficacy of *silybum marianum* gold nano particles on wistar rat”. international Symposium on Conservation of Aquatic & Terrestrial Biodiversity (ISCATBIO-2016) on 28<sup>th</sup> - 30<sup>th</sup> September 2016 organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
- 54.** Nagarajan Bharathiraja and **M.Chandran (2017)**. Entitled “ Study on bioactive phytochemicals in *Armillaria mellea* and its antimicrobial activity against bacterial species *Pseudomonas aeruginosa* and *Pseudomonas chlororaphis*” . International Conference Recent Advance in Bio-resource Technology (RABT-2017) on 15<sup>th</sup> - 17<sup>th</sup> February 2017 Organized by Department of Biotechnology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
- 55.** R.Mangaleshwari and **M.Chandran (2017)**. Entitled “Studies on separation and identification of anti-fungal, anti-bacterial phytochemicals against skin diseases from *Sphaeranthus amaranthoides*” .International Conference Recent Advance in Bioresource Technology (RABT-2017) on 15<sup>th</sup> - 17<sup>th</sup> February 2017 Organized by Department of Biotechnology, Thiruvalluvar university, Serkkadu, Vellore-632 115.



- 56.** Priyanka and **M.Chandran (2017)**. Entitled “ Separation, purification and characterization phytochemicals for purgative and antconstpation from *Senna italica*”. International Conference Recent Advance in Bio-resource Technology (RABT-2017) on 15<sup>th</sup> - 17<sup>th</sup> February 2017 Organized by Department of Biotechnology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
- 57.** M.Mumtaj and **M.Chandran (2017)**. Entitled “ Aquatic pollution related malformation in different body parts of Vaigai River inhabitant frogs”. International Conference Recent Advance in Bio-resource Technology (RABT-2017) on 15<sup>th</sup> - 17<sup>th</sup> February 2017 Organized by Department of Biotechnology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
- 58.** R.Mangaleshwari, N.Bharathiraja and **M.Chandran (2017)**. Entitled“ Antioxidant activity and free radical scavenging capacity of *Sphaeranthus indicus* and *Tinospora cordifolia*”. Second National Conference on Emerging Trends in Chemistry and Materials on 10<sup>th</sup> - 11<sup>th</sup> August 2017 Organized by Department of Chemistry, Thiruvalluvar university, Serkkadu, Vellore-632 115.
- 59.** Nagarajan Bharathiraja, R.Mangaleshwari and **M.Chandran (2017)**. Entitled“ Screening and characterization of bioactive compounds from edible mushroom available at Eshwaran hills near Ponnai, Vellore district”. Second National Conference on Emerging Trends in Chemistry and Materials on 10<sup>th</sup> - 11<sup>th</sup> August 2017 Organized by Department of Chemistry, Thiruvalluvar university, Serkkadu, Vellore-632 115.
- 60.** M.Mumtaz, R.Mangaleshwari, N.Bharathiraja and **M.Chandran (2017)**. Entitled“ Curative power of *Sphaeranthus indicus* on Leucorrhoea”. Second National Conference on Emerging Trends in Chemistry and Materials on 10<sup>th</sup> - 11<sup>th</sup> August 2017 Organized by

Department of Chemistry, Thiruvalluvar university, Serkkadu, Vellore-632 115.

61. N.Bharathiraja, R.Mangaleshwari and **M.Chandran (2017)**. Entitled “Efficacy of *Tinospora cordifolia* stem powder on glyceemic regulation in type-2 diabetes”. National Symposium on Recent Scenario of Environmental Pollution in India (NSRSEPI-2017) on 5<sup>th</sup> October 2017 Organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
62. R.Mangaleshwari, N.Bharathiraja and **M.Chandran (2017)**. Entitled“ Impact on *Tinospora cordifolia* leaves extract on antiproliferative activity and cytotoxic of kb cell line(mouth epidermal carcinoma cells”. National Symposium on Recent Scenario of Environmental Pollution in India (NSRSEPI-2017) on 5<sup>th</sup> October 2017 Organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
63. P.Devi, R.Mangaleshwari, N.Bharathiraja and **M.Chandran (2017)**. Entitled“ Health risk assessment among the tannery workers of Ranipet area, Vellore District”. National Symposium on Recent Scenario of Environmental Pollution in India (NSRSEPI-2017) on 5<sup>th</sup> October 2017 Organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
64. K.UmaMaheswari, **M.Chandran**, K.Rajendran and M.Chandran (2017). Entitled“ Impact on *Tinospora cordifolia* leaves extract on antiproliferative activity and cytotoxic of kb cell line(mouth epidermal carcinoma cells”. National Symposium on Recent Scenario of Environmental Pollution in India (NSRSEPI-2017) on 5<sup>th</sup> October 2017 Organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.

- 65.** R.Mangaleshwari, N.Bharathiraja and **M.Chandran (2017)**. Entitled “Free radical scavenging activity of methanolic extract of *Hygrophila auriculata*”. National Symposium on Recent Scenario of Environmental Pollution in India (NSRSEPI-2017) on 5<sup>th</sup> October 2017 Organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
- 66.** K.R. Udhayavani and **M.Chandran (2017)**. Entitled “Evaluation the free radical scavenging activity in the plant extract of *Gilinus lotoides (Mollugolotoides)*”. National Symposium on Recent Scenario of Environmental Pollution in India (NSRSEPI-2017) on 5<sup>th</sup> October 2017 Organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
- 67.** Kavipriya k and **M.Chandran (2017)**. Entitled “SEM analysis on the effects of *Cassia alata*-l. in the inhibition of selected fungal species growth”. National Symposium on Recent Scenario of Environmental Pollution in India (NSRSEPI-2017) on 5<sup>th</sup> October 2017 Organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
- 68.** D.Kosalai and **M.Chandran (2017)**. Entitled “Effect of *Silybum marianum* on the haematological parameters of albino rat”. National Symposium on Recent Scenario of Environmental Pollution in India (NSRSEPI-2017) on 5<sup>th</sup> October 2017 Organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
- 69.** R.Mangaleshwari, N.Bharathiraja and **M.Chandran (2017)**. Entitled “Influence of lunar effects on phytochemicals of *Clodendrum inerme* collected at full-moon and normal days”. National Symposium on Recent Scenario of Environmental Pollution in India (NSRSEPI-2017) on 5<sup>th</sup> October 2017 Organized by Department of Zoology,

Thiruvalluvar university, Serkkadu, Vellore-632 115.

- 70.** V.Seetha and **M.Chandran (2017)**. Entitled “Fluctuation in the man made rock pond in physical parameters in and around Madurai District”. National Symposium on Recent Scenario of Environmental Pollution in India (NSRSEPI-2017) on 5<sup>th</sup> October 2017 Organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
- 71.** Parasuraman, N.Bharathiraja, R.Mangaleshwari and **M.Chandran (2017)**. Entitled “FTIR Analysis of *Tinospora cordifolia* for bioactive compounds”. National Symposium on Recent Scenario of Environmental Pollution in India (NSRSEPI-2017) on 5<sup>th</sup> October 2017 Organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
- 72.** M.Muthunagai, R.Mangaleshwari and **M.Chandran (2017)**. Entitled “Lunar effect on phytocompounds of *Spearathus indicus*”. National Symposium on Recent Scenario of Environmental Pollution in India (NSRSEPI-2017) on 5<sup>th</sup> October 2017 Organized by Department of Zoology, Thiruvalluvar university, Serkkadu, Vellore-632 115.
- 73.** R. Mangaleshwari, R. Priyanka, N. Bharathiraja and **M.Chandran**. Entitled “Physico-chemical parameters related bio-indicators diversity in saduperi lake” International Conference on Transdisciplinary & Innovative Research in Science

(ICTIRS-2020) – Science Departments, Thiruvalluvar University, Vellore, on February 26-28th, 2020.

**74.**R. Priyanka, R. Mangaleshwari, N. Bharathiraja and **M.Chandran**. Entitled “Physico-chemical parameters related water quality index in Ponnai river, Vellore, Tamilnadu” International Conference on Transdisciplinary & Innovative Research in Science (ICTIRS-2020) – Science Departments, Thiruvalluvar University, Vellore, on February 26-28th, 2020.

**75.**N. Bharathiraja, R. Mangaleshwari, R. Priyanka and **M.Chandran**. Entitled “Physico-chemical index related phytoplankton assemblage in Serkkadu lake, Vellore, Tamilnadu.” International Conference on Transdisciplinary & Innovative Research in Science (ICTIRS-2020) – Science Departments, Thiruvalluvar University, Vellore, on February 26-28th, 2020.

#### **Full Papers presented in conference**

1. N.Sasirekha and **M. Chandran** (2011)” Heavy metals accumulation in the selected irrigation ponds of Madurai District”. *Pro. Nat. Sem. Emer. Tren. Chal. Aqua. Biotec*.pp: 72-74.