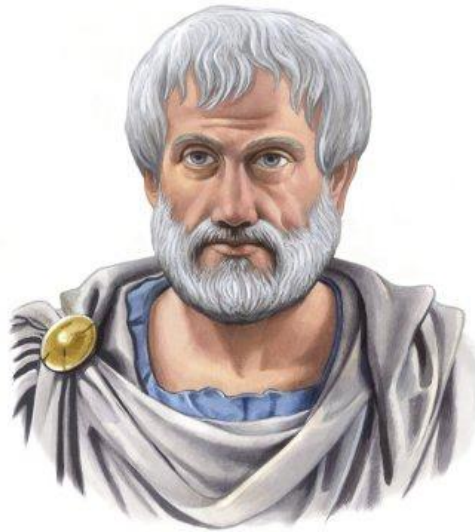




SRI VIDYA MANDIR ARTS & SCIENCE COLLEGE

(Autonomous)

**(Accredited by NAAC with 'A' Grade [3.27]
(Recognised 2(f) & 12(B) under UGC Act of 1956)
Katteri, Uthangarai, Krishnagiri Dt,
Tamil Nadu, India, 636902.**



A TWO DAY INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN LIFE SCIENCE

**(ICETLS- 2021)
18TH & 19TH FEBRUARY**

Organized by

**P.G. Department of Zoology, Sri Vidya Mandir Arts & Science College, Tamil Nadu,
India.**

collaboration with

Department of Zoology, St. Joseph University, Dimapur, Nagaland, India.

About the college

The Visionary Philanthropists of Sri Vidya Mandir Higher Educational Trust started Sri Vidya Mandir Arts & Science College in Uthangarai in 2000 with the noble aim of uplifting the economically and educationally backward districts-Dharmapuri and Krishnagiri-into the number one educational destination in Tamil Nadu. The College is surrounded by the culturally rich pilgrimage centres, Hanumantheertham (2 km) and Theerthamalai (15 km), associated with the famous Epic, The Ramayana. The college is housed in a sprawling campus of more than 50 acres. The Queen of Mountains the Eastern Ghats has bestowed her bountiful nature and conducive climate round the year. The college is well-connected with the nearby cities and is located in the Salem – Vellore State Highways. Currently the college has the strength of more than 4300 students and 135 faculty Members. In 2013 our college is recognized 2(f) & 12(B) status by the UGC and as another feather to its crown, for the exceptional progress; in 2015 the college has been accredited by NAAC with 'A' Grade with CGPA 3.27 out of 4.

About our Department

The Department of Zoology was established in the year 2015 with undergraduate B.Sc. degree in Zoology with 30 students. The M.Sc. degree is being offered from the year 2018. A phenomenal growth in teaching and research from 2018 onwards the research has been engaged in the field of Environmental Science, Aquaculture, Phytotherapeutics, Nanoscience and Entomology. The research activities in this department have a hardhead finding from various government agencies and also have collaborative with other Universities at National and International level. The department students have clinched university ranks (10) including One gold medals. Apart from the academic achievements the department is also taking sincere efforts to develop the multi-disciplinary knowledge of the students by conducting national/international level Conferences, Seminars, Workshops and Cultural programmes yearly with the help of the management. It strives to produce eminent professionals turned to the real time working environment. The department runs to meet out the competent academic environment with adequate labs and library resources to support students in their pursuit of excellence in every sector of life.

About the conference

A Two days International Conference on Emerging Trends in Life Science (ICETLS– 2021) is an annual flagship event, organized by P.G. Department of Zoology, Sri Vidya Mandir arts and Science College, Katteri, Tamil Nadu, India during January 29-30, 2021. ICETLS-2021 is a unique platform that encourages cross-talk between diverse domains to find sustainable solutions in healthcare and the environment. With this objective, ICETLS-2021 brings together engineers, researchers, practicing clinicians, individuals working in academia to discuss and deliberate on the latest research in Role of Aquatic Macrophytes in Lentic Ecosystem, Important of medicinal plants, Invertebrates pest management, Genetic population, Nutritive value of insect in human consumption, 3D Bioprinting: A Novel Avenue for Manufacturing Human Organs using Marine Eel fish collagen, DDX41 Regulates GAS-STING Activation through Modulating DNA Homeostasis and allied fields. . It is a prestigious event organized with a motivation to provide an excellent international platform for the leading academicians, research scholars, industrial participants and budding students around the world to share their research findings with the global experts. We hope that ICNTFLA-2021 outcome will lead to significant contributions to the knowledge base in these up-to-date scientific fields in scope.

Organizing committee

Chief Patron

Shri. V. CHANDRASEKARAN,

Founder, Sri Vidya Mandir Group of Educational Institutions, Uthangarai.

Patron

Thiru. R. P. RAJEE

Secretary, Sri Vidya Mandir Arts & Science College, Uthangarai

Thiru. K. VENKATACHALAM

Additional Secretary, Sri Vidya Mandir Arts & Science College, Uthangarai

Chairmans

Dr. T. BALASUBRAMANIAN, M.Sc., M.Phil., Ph.D.

Principal, Sri Vidya Mandir Arts & Science College, Uthangarai.

Dr. N.GUNASEKARAN, MA., M. Phil., Ph.D.

Vice Principal, Sri Vidya Mandir Arts & Science College, Uthangarai.

Head & Convener, Department of Zoology

Dr. M. MURALI, M.Sc., M.Phil., Ph.D.

Assistant Professor, Department of Zoology, Sri Vidya Mandir Arts & Science College, Uthangarai.

Organizing Secretaries

Dr. D. KALAISELVAN, M.Sc., M. Phil., Ph.D.,

Assistant Professor, Department of Zoology, Sri Vidya Mandir Arts & Science College, Uthangarai.

Dr. G. DINESH KUMAR, M.Sc., M. Phil., Ph.D.,

Assistant Professor, Department of Zoology, Sri Vidya Mandir Arts & Science College, Uthangarai.

Mr. M. GUBENDIRAN, M.Sc., M.Phil., M. ED.

Assistant Professor, Department of Zoology, Sri Vidya Mandir Arts & Science College, Uthangarai.

Organizing Committee member

Dr. R. MEKALA, M.Sc., M. Phil., Ph.D.,

Assistant Professor, Department of Zoology, Sri Vidya Mandir Arts & Science College, Uthangarai.

Mis T. SHANTHI,

Mis S. AMIRTHA VARSHINI

CONTACTS

Dr. M. MURALI, M.Sc., M.Phil., Ph.D.

Head & Department of Zoology,

M.NO: 9440794563

Mr. M. GUBENDIRAN, M.Sc., M.Phil., M. ED.

Assistant professor of Zoology,

M.NO: 9003767358

National Advisory Committee

Dr. R. Nandhakumar, St. Joseph University, Nagaland
Dr. G. Mathan, Bharathidasan University, Trichy
Dr. S. Sivaramakrishnan, Bharathidasan University, Trichy
Dr. A. Narkeesh Arumugam, Punjab University
Dr. J. Senthil, Bharath Institute of Higher Education and Research, Chennai
Dr. Kumar, AVVM Sri Pushpam College, Poondi
Dr. Kalaidoss, SRM University, Chennai
Dr. A. Deva, Arignar Anna College, Krishnagiri
Dr. N. Kannadasan, Karur Velalar college, Karur, (Women)
Dr. G. Srikanth, Cardamom planters association college, (Bodinayakanur)
Dr. P. Mani, Annai College, (Kovilcherry)
Dr. N. Santhiya, Sri Vijay Vidyalaya Arts and Science College, Dharmapuri
Dr. S. Jayakumar, Presidency College, Chennai
Dr. M. Rajesh, American College, Chennai

International Advisory Committee

Dr. Ravishankar Singh, (Canada)
Dr. Shanmugam Suresh Kumar, (Republic of Korea)
Dr. Kang Sung Taeg, (Republic of Korea)
Dr. Kim, Yong Hwan, (Republic of Korea)
Dr. Mano Govindharaj, (USA)
Dr. Kim, In-Ho, (Republic of Korea)
Dr. Jinyoung Kim, (Republic of Korea)
Dr. Kim Cheol-Hyun, (Republic of Korea)
Dr. Hyeun Bum Kim, (Republic of Korea)
Dr. Park, Jae-Hong, (Republic of Korea)
Dr. Yoon Seong Tak, (Republic of Korea)

Call for paper: The authors are requested to submit their original research papers through online submission selected papers are published in Scopus Journal by register themselves after notification. Relevant topics include but are not limited to.

- Microbial activities
- Toxicology, Fish-Immunology

Registration: No Registration fees and E-Certificate will be provided to the active participants.

Registration is free link here: <https://forms.gle/vA9rFS3e75nqenoW7> . Telegram Link: https://t.me/joinchat/ILVUdSdg_X6_BqTe

Programme Schedule

DAY- I (18.02.2021)

Time	Session
9.30 am	Inaugural function
10.15 to 11	Dr. RAVISHANKAR SINGH Topic: DDX41 Regulates GAS-STING Activation through Modulating DNA Homeostasis
11.10 to 11.55	Dr. SATISH KUMAR SEN Topic: Role of Aquatic Macrophytes in Lentic Ecosystem
2 to 2.45	Dr. GAURAV S. DAVE Topic: Smoke Water Preparation and Application
3 to 3.45	Dr. R. NANDHAKUMAR Topic : Candidate Genetic Markers as a tool to Unveil Anthropological Association

DAY- II (19.02.2021)

10 to 10.45	Dr. MANO GOVINDHARAJ Topic: 3D Bioprinting: A Novel Avenue for Manufacturing Human Organs using Marine Eel fish collagen
11 to 11.45	Dr. M. MURALI, Topic: Nutritional Value of Insects for Human Consumption
2.00 to 2.45	Dr. P. SAKTHIVEL Topic: Vertebrae Pest Management
3.00 to 3.45	Dr. J. SENTHIL Topic: Medicinal Plant and its Role
4.30 to 5.15	Valedictory Function

Invited speakers



Dr. RAVISHANKAR SINGH
Department of Biochemistry
Microbiology & Immunology
University of Saskatchewan
Saskatoon
Canada.

**Topic: DDX41 Regulates GAS-STING
Activation through Modulating DNA**



Dr. MANO GOVINDHARAJ
Scientist
Stemcell & Regenerative Medicine
New York University

**Topic: 3D Bioprinting: A Novel Avenue for
Manufacturing Human Organs using
Marine Eel fish collagen**



Dr. SATHISH KUMAR SEN
Assistant Professor of Botany
Government V.Y.T.P.G
Autonomous College
Durg, Chhattigarsh.
India.

**Topic: Role of Aquatic Macrophytes in
Lentic Ecosystem**



Dr. P. SAKTHIVEL
Assistant Scientific Officer
National Institute of Plant
Health Management
Rajendra nagar, Hyderabad,
Telangana

Topic: Vertebrae Pest Management



Dr. R. NANDHAKUMAR
Head, Department of Zoology
St. Joseph University
Dimapur
Nagaland, India.

**Topic: Candidate Genetic Markers as a tool
to Unveil Anthropological Association**



Dr. M. MURALI
Assistant Professor of Zoology
St. Joseph University
Dimapur
Nagaland, India.

**Topic: Nutritional Value of Insects for
Human Consumption**



Dr. GAURAV S. DAVE
Assistant Professor of
Biochemistry
Sardr Krushinagar
Dantiwads, Agrucultural
University, Gujarat, India

**Topic: Smoke Water Preparation and
Application**



Dr. J. SENTHIL
Associate Professor
Department of Microbiology
and Biotechnology
Bharath Institute of Higher
Education and Research
Chennai

Topic: Medicinal Plant a



SRI VIDYA MANDIR ARTS AND SCIENCE COLLEGE

(Autonomous)

Affiliated to Periyar University, Salem -11
Accredited by NAAC with 'A' Grade [3.27]
Recognized 2(f) & 12(B) under UGC Act of 1956
Katteri, Uthangarai, Krishnagiri – 636 902



A TWO DAY INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN LIFE SCIENCE

(ICETLS-2021)

Organized by

P.G. DEPARTMENT OF ZOOLOGY, SRI VIDYA MANDIR ARTS & SCIENCE COLLEGE, UTHANGARAI

DAY- I (18.02.2021)

DAY- I (18.02.2021)	
TIME	PROGRAM SCHEDULE
9.30 to 10.10am	INAUGURAL FUNCTION
	Prayer Song
Welcome Address	Dr. M. MURALI , Convener, ICETLS-2021, Head & Department of Zoology, Sri Vidya Mandir Arts & Science College, Uthangarai, Tamil Nadu.
Theme of the Conference	Dr. M. MURALI , Convener, ICETLS-2021, Head & Department of Zoology, Sri Vidya Mandir Arts & Science College, Uthangarai, Tamil Nadu.
Felicitations	Thiru. V. CHANDRASEKARAN , Founder, Sri Vidya Mandir Educational Institutions, Uthangarai, Tamil Nadu.
	Dr. T. BALASUBRAMANIAN , Principal, Sri Vidya Mandir Arts & Science College, Uthangarai, Tamil Nadu.
	Dr. N. GUNASEKARAN , Vice Principal, Sri Vidya Mandir Arts & Science College, Uthangarai, Tamil Nadu.
Presidential Address	Thiru. R. P. RAJEE , Secretary, Sri Vidya Mandir Arts & Science College, Uthangarai, Tamil Nadu.
	Thiru. K. VENKATACHALM , Joint Secretary, Sri Vidya Mandir Arts & Science College, Uthangarai, Tamil Nadu.
TIME	SESSION – I
10.15am to 11.00am	Dr. RAVISHANKAR SINGH , Department of Biochemistry, Microbiology & Immunology, Canada. Topic: DDX41 Regulates GAS-STING Activation through Modulating DNA
11.10am to 11.55am	Dr. SATHISH KUMAR SEN , Assistant Professor of Botany, Government V.Y.T.P. Autonomous College, Chhattigarsh. Topic: Role of Aquatic Macrophytes in Lentic Ecosystem
12.00 to 2.00pm	LUNCH BREAK
TIME	SESSION – II
2.00pm to 2.45pm	Dr. R. NANDAKUMAR , Assistant Professor of Zoology, St. Joseph University Dimapur, Nagaland, Topic : Candidate Genetic Markers as a tool to Unveil Anthropological Association
3.00pm to 3.45pm	Dr. GAURAV S. DAVE , Assistant Professor of Biochemistry, Sardar Krushinagar Dantiwads, Agrucultural University, Gujarat, Topic: Smoke Water Preparation and Application

DAY- II (19.02.2021)

TIME	SESSION - III
9.30.00am to 10.30am	Dr. G. Mano govintharaj , Scientist, Stem Cell & Regenerative Medicine, New York University Topic: 3D Bioprinting: A Novel Avenue for Manufacturing Human Organs using Marine Eel fish collagen
11.00am to 11.45am	Dr. P. Sakthivel , Assistant Scientific Officer, National Institute of Plant Health Management, Hyderabad, Topic: Vertebrae Pest Management
12.00pm to 1.00	LUNCH BREAK
TIME	SESSION - IV
1.00pm to 1.45pm	Dr. M. Murali , Assistant Professor of Zoology, St. Joseph University, Dimapur, Nagaland, India. Topic: Nutritional Value of Insects for Human Consumption
2.00pm to 2.45pm	Dr. J. Senthil , Associate Professor, Bharath Institute of Higher Education and Research, Chennai Topic: Medicinal Plant and its Role
3.00 to 4.00 pm	VALEDICTORY FUNCTION
Welcome Address	Mr. M. GUBENDIRAN , Organizing Secretary, ICETLS – 2021 Assistant Professor, Department of Zoology, Sri Vidya Mandir Arts & Science College, Uthangarai, Tamil Nadu.
Felicitations	Thiru. R. P. RAJEE , Secretary, Sri Vidya Mandir Arts & Science College, Uthangarai, Tamil Nadu. Thiru. K. VENKATACHALAM Additional Secretary, Sri Vidya Mandir Arts & Science College, Uthangarai Dr. T. BALASUBRAMANIAN , Principal, Sri Vidya Mandir Arts & Science College, Uthangarai, Tamil Nadu. Dr. N. GUNASEKARAN , Vice Principal, Vice Principal, Sri Vidya Mandir Arts & Science College, Uthangarai.
Conference theme	Dr. M. MURALI , Convener, ICETLS-2021, Head & Department of Zoology, Sri Vidya Mandir Arts & Science College, Uthangarai, Tamil Nadu.
Valedictory Address	Dr. G. DINESH KUMAR Convener, ICETLS -2021, Department of Zoology, Sri Vidya Mandir Arts & Science College, Uthangarai, Tamil Nadu.
Vote of Thanks	Dr. D. KALAISELVAN , Organizing Secretary, ICETLS - 2021 Assistant Professor, Department of Zoology, Sri Vidya Mandir Arts & Science College, Uthangarai, Tamil Nadu.
NATIONAL ANTHEM	



**SRI VIDYA MANDIR ARTS & SCIENCE COLLEGE
(AUTONOMOUS)**

**Katteri – 636 902, Uthangarai, Krishnagiri District
(An Autonomous College Affiliated to Periyar University, Salem)
(Recognized under Status 2(f) & 12(B) of the UGC Act 1956)
Accredited by NAAC with 'A' Grade [3.27]**

P.G. DEPARTMENT OF ZOOLOGY

**A TWO DAY INTERNATIONAL CONFERENCE ON EMERGING TRENDS
IN LIFE SCIENCE, (ICETLS - 2021)
18TH& 19TH FEBRUARY**

REPORT OF THE CONFERENCE

Good evening to one and all .I am extremely happy to present before you in this noble gathering. Our a two day international conference on Emerging trends in life science (ICETLS-2021) began successfully on 18-02-2021. The international conference began with the welcome address by the head and convenor Dr.M.Murali myself followed by the theme of the conference by our ICETLS had it is gracious felicitation by the slat wards of our institution our chairman Mr.V.Chandirasekaran and our principal Dr.T.Balasubiramian and our Vice Principal Dr.N,Gunasekaranciragulatedthe felicitation to add more colours our SecretaryMr.RP.Rajee and joint secretary Mr.Venkatachalam delivered their presidential address then the most awaited technical session started, session began at 10.am by resource person **Dr.Ravishankar Singh Department of Biochemistry, University of Saskatchewan skatoon Canada, “on DDX41 Regulates GAS –STING Activation through Moulding DNA Homeostasis”**. Followed by him **Dr.Sathish Kumar Sen**Assistant Professor of Botany Government V.Y.T.P.G (Autonomous)College Durg, Chhattigarsh India. Delivered his special talk on **“Role Of Aquatic Macrophytes In Lentic Ecosystem”**after the lunch break session III began with the special talk by **Dr. R. Nandhakumar**Assistant Professor of Zoology St.Joseph University Dimapur Nagaland, India on **“Candidate Genetic Markers As A Tool To Unveil Anthropological Association”**then **Dr.Gaurav s .Deve**Assistant Professor of Biochemistry Agricultural University Gujarat, India. on Smoke water preparation and Application. Day I ended with glory and shifted mend

Then one day II began with the special lecture by **Dr.ManoGovindraaj** scientist New York University new york,**“on 3D Bioprinting A novel Avenue for manufacturing human organs using marine Eel fish collagen”**.Followd by him**Dr. M. Murali**Assistant Professor of Zoology St. Joseph University Dimapur Nagaland, India. **“On Nutritional value of insects for human consumption”**. After the lunch break session IV of day II began with **Dr. P. Sakthivel**Assistant Scientific Officer National Institute of Plant Health Management Rajendranagar, Hyderabad, Telangana on vertebrate pest management. Finally **Dr.Senthil**Assistant professor, Department of Microbiology,**“BharathInstitute of higher education and research Chennai presented his lectured on Medical plant and its medical role”**.

All the special lectures filled with young minds with full shift nearly 275 participated through online and 130 through offline benefited in this conference.

By evening 4pm valedictory occasion began the international conference end with the welcome address by **Mr.M.Gubendiran** Assistant profession SVM college followed by the felicitation by Secretary **Mr.R.P.Rajee** and joint secretary **Mr.Venkatachalam** principal **Dr.T.Balasubiramian** and our Vice Principal **Dr.N,Gunasekaran** sir and **Dr.G. Dinesh kumar** delivered his valedictory address . Finally as a note of granite **Dr.D. Kalaiselvan** organising sectary delivered his vote of thanks who stood for the grand success of this a two day international conference

Thank you Sir,



**SRI VIDYA MANDIR ARTS & SCIENCE COLLEGE
(AUTONOMOUS)**

**Katteri – 636 902, Uthangarai, Krishnagiri District
(An Autonomous College Affiliated to Periyar University, Salem)
(Recognized under Status 2(f) & 12(B) of the UGC Act 1956)
Accredited by NAAC with 'A' Grade [3.27]**

P.G. DEPARTMENT OF ZOOLOGY

**A TWO DAY INTERNATIONAL CONFERENCE ON EMERGING TRENDS
IN LIFE SCIENCE, (ICETLS - 2021)
18TH & 19TH FEBRUARY
CONFERENCE PHOTO**

