

SREE AYYAPPA COLLEGE

ERAMALLIKKARA, CHENGANNUR, ALAPPUZHA DISTRICT
KERALA

(GOVT. AIDED COLLEGE AFFILIATED TO THE UNIVERSITY OF KERALA)
NAAC Accredited



INFOFEST 2021 Report

Introduction

The International Interdisciplinary Symposium organised by SreeAyyappa College (TDB), Eramallikkara, in association with the Institution of Electronics and Telecommunication Engineers (IETE), and the Internal Quality Assurance Cell (IQAC), on various themes each year was conducted from 15th Dec, 2021 to 31st Dec, 2021 through the online mode.

Now, in its 11th year, the theme for 2021 was Energy, Environment, Health and Visual Communication, based on the subthemes – physical science, chemical science, biological, environmental and life science, electronics and computer science, commerce and financial management, and English and media studies.

Inauguration and Invited Talks

The inaugural function on 15th Dec 2021 was by Dr VP Mahadevan Pillai, Hon VC, University of Kerala, while the Principal, Prof (Dr) KC Prakash gave the presidential address. When Dr. M V Rajesh, Associate Professor, Dept. of Electronics Engineering, College of Engineering, Chengannur, & IETE Fellow, Vice Chairman, Kochi, Kerala gave the keynote address, the conference convener, ErDeepu G P said the vote of thanks.

The invited lectures were from 16th to 23rd December, 2021, mostly in the evenings via online mode.

There was a total of eight invited talks on various subjects each day and paper presentations by students and faculties from various parts of the state based on various subjects such as electronics and physics (12), computer science (9), microbiology and biochemistry (9), and English and media studies (3), Total 33.

Details of the invited talks is given below.

1. Dr Manikantan VM, Dept of Computer Science and Engineering, SRM University Andhra Pradesh on “Reversible Data Hiding through Encryption: a way to combine data hiding and image encryption” on 16.12.2021, 7.00 pm to 8.00 pm
2. Dr Radhakrishnan SR, Senior Scientist, Council for Scientific and Industrial Research, National Physical Laboratory, New Delhi on Introduction to FTIR based Gas measurements”, on 17.12.2021, 7.00 pm to 8.00 pm

3. Dr Robiya, Instructor, The University of Texas, Austin, USA on “Targeting Cancer Metastasis – an IMMUNE Approach” on 18.12.2021, 9.15 am to 10.15 am
4. Sister (Dr) Germina KA, Dept of Mathematics, Central University of Kerala, Kasargod on “A study of the notion of balance in social network analysis using signed graphs”, on 18.12.2021, 7.00 pm to 8.00 pm
5. MrDeepu Kumar M Nair, Senior Manager, RF Design Engineering, , North Carolina, USA on “The long shadow of Shannon’s Limit on Global Energy usage of LTE and 5G Wireless network infrastructure and its environmental impact”, on 20.12,2021, 7.00 pm to 8.00 pm
6. MrNidheesh S, Research Scholar, Dept of Humanities and Social Sciences, IIT Madras, Chennai on “Environmental Justice and the policies of existence in Alappad”, on 21.12.2021, 6.00 pm to 7.00 pm
7. Dr Anwar A, ThunthachEzhuthan Malayalam University, Malappuram, on “Covid 19 as A Time image in Malayalam Art Expressions”, on 22.12.2022, 7.00 pm to 8.00 pm
8. Dr Sundarakannan B, Professor and Head, Department of Physics, ManonmaniamSundarnar University, Tirunelveli, on “Lead Free Piezoelectric materials”, 23.12.2021, 7.00 pm to 8.00 pm.

Technical sessions were on 30th and 31st December, 2021, where papers were classified subject-wise into Computer Science on 30.12.2021, from 5.30 pm to 6.40 pm, chaired by Dr. Deepthi P S, LBS Engineering College for Women, Trivandrum; Management and English on 31.12.2021 from 10.00 am to 10.30 am, chaired by Dr. AthiraSasidharan, AssistantProfessor, Dept of English and Media Studies,SreeAyyappa College, Eramallikkara (Formerly ESOL Tutor, ‘English for MigrantMothers’ Literacy Classes Hamilton, Waikato, New Zealand); Electronics and Physics on 31.12.2021, from 10.40 am to 12.30 pm, chaired by Dr. Jobin K Antony, Professor, Dept of Electronics & Communication, Rajagiri School of Engineering and Technology, Ernakulam; and Biochemistry and Microbiology, from 4.20 pm to 5.40 pm, chaired by Dr Reshmi L, Assistant Professor, Dept of Botany, University of Calicut.

The following papers were presented:

1. Virtual Student Recruitment System, by Akhil S S, Akshay B and Devika N
2. Face Mask Detection Using Convolutional Neural Network, by Anandhu OR and Anooj P Raj
3. Gesture Based Volume Control System, by Anusha M
4. Face Recognition Systems – A Comprehensive Review, by Anusree P M and Nobert Thomas Pallath
5. A Critical Analysis of Systematic Review in Fault Tolerance, by DivyaSurendran and K Sasikala
6. Power Surge, by Rithu Santhosh, Akhila S, Jeena Jacob and SreelekshmiA N
7. A Novel Approach on Medical Image Fusion, by SreelekshmiA N and N Sujatha
8. Impact of Epidemics and Pandemics in Bengali Literature, by Amit Ray
9. After Effects of COVID19 in the Higher Educational Sector: Students Perception towards Old Normal to New Normal, by Ajai Krishnan Gopalakrishnan and Sreelekshmi C Warriar
10. Resisting the Exploitation of Nature and Restoring the Ecological Harmony in HelonHabla's Oil on Water: A Deep Ecological Perspective, by SwatilekhaMahato
11. Phytochemical and Antimicrobial Screening of Methanol Extract of *Murrayakoenigii* (Linn.) Spreng, by Akshara Raju and Nitha B
12. Removal of used Engine Oil by a Biosurfactant Producing Bacterial Consortium, by DhanyaV
13. Biopod Technology -to Manage Seafood and Meat Waste and Conversionto Beneficial Nutrient Products, by Ganga G, Sunaina Nair S S, Sreelekshmi S, Parvathy and Aravind S
14. Studies on the Inflammatory Response of Tumor Necrotic Factor onNeuroblastoma Cells by Manju L, Rejiya C Sand Archana Oscar
15. Antiapoptotic Effect of Menthol in Experimental Diabetic Encephalopathy, by Soumya S and Mini S

16. Curcuma Longa Mediated Synthesis of Iron Nanoparticles and Study on the Anti-Inflammatory Activity in LPS Stimulated RAW 264.7 Cells, by Abhirami Madhu, Manju L and Rejiya C S
17. Attenuation of NF-Kb Mediated Cellular Injury and Inflammation in RatLens by Oxalis Corniculata, by Remya A S and Annie Abraham
18. Retrodirective Cross Eye Jamming -A Review, by Abida N P and Siby Thomas
19. 5G Mobile Antenna Design- Review and Analysis, by Arun M V and Shameena V A
20. A Review on Radars in Defense and Aerospace Applications by Athila Jasmin and Siddik Raja
21. A Review of Wearable Antennas for Biomedical Application. By Jameela K and Shameena V A
22. Seasonal & Annual Variation of Cirrus Fraction and Cirrus Reflectance over The Indian Sub-Continent, by Priya J S, Sunil Kumar R and Krishnakumar V
23. A Novel Guided Reconstruction of Ariel Images with Non-Linear Sharpening, by Sabarinath G, Deepu G P and Shanooga Chandran
24. Intelligent Traffic Light Control System - A Review, by Shabna U and Siddik Raja
25. A Review on Hazard of Mobile Radiation in Human Body by Shadiya K and Abdul Rasheed
26. A Review on Crack Prediction Using Acoustic Emission, by Sreedevi T P, Abdul Rasheed and Siby Thomas
27. A Review on Breast Cancer Detection Using Artificial Intelligence by Swarna Babu and Nobert Thomas Pallath
28. Green Energy Generated Solar Cell by Manumohan M S, Suresh S, C O Sreekala and K G Gopchandran
29. Antiobesity Effects of Chitosan and Chitosan Nanoparticles by Devika B and Nitha B
30. Sunlight Driven Plasmonic Photocatalytic Activity of Tio₂: Au Nanostructures by R Raji and K G Gopchandran

The presentations were evaluated and based on various criteria, best paper award consisting of an e certificate was presented to one each from each category, while others who presented papers were given e certificates for presentation.

The Valedictory session was on 31.12.2021, at 6.30 pm which began with the convener, ErDeepu G P, Associate Professor, Department of Electronics, welcoming all to the event. When the Principal, Prof (Dr) KC Prakash said the presidential address, the Convener of IQAC of the college, Prof (Dr) Suresh S announced the best paper awards. The valedictory session was chaired by Dr KS Anil Kumar, Hon Registrar, University of Kerala. Prof. Ushakumary K L, The Head, Department of Electronics, Prof. Sobha P K, The Head, P.G Department of Computer Science, Dr. Nitha B, The Head, Department of Biochemistry & Industrial Microbiology, Dr. Rejiya C S, The Head, Department of Commerce Dr. Vidhya L, The Head, Department of Mathematics, Dr. AthiraSasidharan, The Head, Department of English & Media Studies offered felicitations, while Dr. Sreeraj M, Joint Convener & Assistant Professor, Department of Computer Science gave the concluding remarks and vote of thanks.

The program ended at 8.30 pm, with all wishing one another, "Happy New Year – 2022", being New Year's eve.

The abstracts of the invited talks as well as the presentations were published by Greenzie Publishers, Trivandrum with ISBN Number, 978-81-955890-1-2, 2021, 11th Edition, IDES Press.

Brochure



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INFOFEST 2021



VIRTUAL INTERNATIONAL CONFERENCE ON ENERGY,
ENVIRONMENT AND HEALTH

Date: 15/12/2021 to 31/12/2021

Opening Ceremony

ONLINE PLATFORM LINK:  [Click here](#)

Date: 15/12/2021 Time: 10:30 a.m

PRAYER

WELCOME SPEECH : Prof. (Dr.) Suresh S (IQAC Convener)

PRESIDENTIAL ADDRESS : Prof. (Dr.) Prakash K C (Principal)

INAUGURAL ADDRESS : Prof. (Dr.) V. P. Mahadevan Pillai
Hon. Vice Chancellor, University of Kerala
Thiruvananthapuram

KEYNOTE ADDRESS : Dr. M V Rajesh, Associate Professor,
Dept. of Electronics Engineering,
College of Engineering, Chengannur,
& IETE Fellow, Vice Chairman, Kochi, Kerala

VOTE OF THANKS : Er. Deepu G P, Convener


Er. Deepu G P
Convener


Prof. (Dr.) Prakash K C
Principal

Invited Lectures

S.No.	Name		Date	Time	Link
1	Dr. Manikandan V M Department of Computer Science and Engineering, SRM University, Andhra Pradesh		16/12/2021 Thursday	7 pm to 8 pm	
2	Dr. Radhakrishnan S R Senior Scientist Council of Scientific & Industrial Research (CSIR), National Physical Laboratory (NPL) New Delhi		17/12/2021 Friday	7 pm to 8 pm	
3	Dr. Robiya Instructor, The University of Texas, Austin, United States of America, U.S. A		18/12/2021 Saturday	9:15 am to 10:15 am	
4	Dr. Germina K A Department of Mathematics Central University of Kerala, Kasargod		18/12/2021 Saturday	7 pm to 8 pm	
5	Deepu Kumar M Nair Senior Manager, RF Design Engineering North Carolina, United States of America, U.S.A		20/12/2021 Monday	7 pm to 8 pm	
6	Mr. Nidheesh S Research Scholar, Department of Humanities and Social Sciences, IIT Madras, Chennai, Tamil Nadu		21/12/2021 Tuesday	6 pm to 7 pm	

7	Dr. Anvar A Assistant Professor, Thunchath Ezhuthachan Malayalam University, Malappuram, Kerala		22/12/2021 wednesday	7 pm to 8 pm	
8	Dr. Sundarakannan B, Professor & Head, Department of Physics, Manonmaniam Sundaram University, Tirunelveli, Tamil Nadu		23/12/2021 Thursday	7 pm to 8 pm	

Technical Session : 30th & 31st December, 2021

VALEDICTORY SESSION

Special Address : Prof. (Dr.) K.S. Anil Kumar
Registrar
University of Kerala
Thiruvananthapuram



Three best oral presentation announcements:
Prof. (Dr.) Suresh S
IQAC Convener
Sree Ayyappa College Chengannur

ALL ARE WELCOME!

Er. Deepu G P
Convener

Prof. (Dr.) Suresh S
IQAC Convener

Prof. (Dr.) Prakash K C
Principal