



# IQAC

## NEWS LETTER

Issue : 16 | May 2021

### Our Founders Our Inspiration

*We salute the combined vision of  
Shri. G. R. Govindarajulu and Smt. Chandrakanthi Govindarajulu  
for envisioning the empowerment of women through education.*



Smt. G. Chandrakanthi



Shri. G. R. Govindarajulu

*The values and ethics by which they lived is the legacy they have left for us to emulate.  
The college has strived to attain greater heights by following their footsteps.*

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## Editor's Desk...

This newsletter provides an overview of the academic achievements and accolades received in various curricular, co-curricular and extra-curricular activities and events for the academic year 2020-2021.

The impact of the pandemic has created a drastic change in the educational scenario with online learning becoming an integral component of the teaching learning process. The pandemic has disrupted the traditional education system. E-learning has become the part of the 'new normal'. Our college has swiftly responded to the transformative challenges which include shifting teaching process online, conducting online assessments and creating content suitable for remote learning using technology and tools. Though the campus was quiet without the hustle and bustle of the students, a commendable number of activities has happened through the online mode. Akin to the strong current running underneath a serene river the students were kept involved in scheduled academic activities and participated in a plethora of competitions.

The Secretary, Principal, Deans, Directors, Faculty Members and Students have contributed their best to the institution, and worked in accordance with the directives of the management. The college has achieved many laurels that credits visibility of the institution worldwide. The college has been ranked #10 among colleges and listed in the Overall Ranking Band of 151-200 in the National Institutional Ranking Framework 2020 (NIRF2020) released by the MHRD on 11<sup>th</sup> June 2020 at New Delhi. The college participated in Atal Ranking of Institutions on Innovation Achievements (ARIIA) an initiative of MHRD, Govt. of India to systematically rank all major higher educational institutions and universities in India on indicators related to "Innovation and Entrepreneurship Development" among students and faculty. The college has been ranked #5 among government/government aided institutions in ARIIA 2020.

This newsletter is an attempt to reinforce awareness, improve interaction and increase integration among all the stakeholders.

## Accolades

- ❖ Ranked #10 among colleges and listed in the Overall Ranking Band of 151-200 in the National Institutional Ranking Framework 2020
- ❖ Ranked #5 among government / government aided institutions in ARIIA 2020
- ❖ Received 4.5 golden stars for the excellent accomplishments of calendar and self- driven activities in MHRD Institute Innovation Council (IIC) 2.0
- ❖ Students' Team participated in Smart India Hackathon organized by IIC – Grand finale of Software edition held during 1<sup>st</sup> -3<sup>rd</sup> August 2020
- ❖ International Accreditation for MBA programme by Accreditation Council for Business Schools Programs (ACBSP)
- ❖ Department of Biotechnology (DBT) Ministry of Science and Technology Government of India New Delhi has awarded the Star Status for Science Departments

## Quality initiatives of the year

- New Programmes started during 2020-21 - B.Sc. Computer Science with Cognitive Systems and M.A English Literature
- NAAC IV cycle SSR submitted
- Collaborative Online International Learning was initiated by the office of International Affairs
- Complete facelift was given to the website by including the current updates in the various domains
- Brainstorming sessions with various groups and sub groups were conducted for revamping of curriculum , Research, Innovation, Entrepreneurship & Community Engagement, SDGs & UHV Integration, Internationalisation & TQM, Corporate Connect & Industry Relations
- An amount of Rs.33 lakhs has been sanctioned for the National Council for Science & Technology Communication Project (NCSTC) for children centric outreach Programmes in the academic year 2020
- FDP, Workshops and Hands-on Training were conducted to equip the faculty to handle online classes effectively
- Students were encouraged to undertake more live industry projects and internships
- Incubation support is provided for promoting start-ups through CIIED (Centre for Innovation, Incubation and Entrepreneurship Development)
- 360° appraisal of faculty for quality sustenance, department appraisal, and stakeholder's feedback and students feedback regarding teaching learning were obtained

## New Programmes

### Two new programmes introduced for the academic year 2020 – 2021

- ❖ **B.Sc. Computer Science with Cognitive Systems** is an industry integrated Degree Program in collaboration with Tata Consultancy Services (TCS) with a sanctioned strength of 60 seats. The course equips the students by the deployment of industry relevant curriculum to create the talent pool of industry ready graduates in the field of IT/ITES
- ❖ **MA English Literature** was introduced in view of the high demand for the course. The curriculum was framed in par with English literary studies, theories, pedagogy, criticism, etc., including drama, prose and poetry. This programme has been introduced with a sanctioned strength of 50

## College Activities

### Faculty Induction Programme

Faculty Induction Programme was organized online for three days from 17<sup>th</sup> August to 19<sup>th</sup> August 2020 to welcome our new colleagues and to orient them to understand the functioning of our college and prepare them to effectively carry out the responsibilities they are to shoulder as stake holders of this institution. Dr.N.Yesodha Devi, Secretary, Dr.S.Nirmala, Principal, Deans of various capacities, Controller of Examinations, Prof.S.Balasubramanian, Chief Mentor GRGSMS and Dr.P.Sadhasivam Director, GRGSMS motivated and oriented the new entrants

### Students Induction Programme

Students Induction Programme was conducted online from 14-09-2020 to 17-09-2020. 2160 students attended the programme and they were oriented with the campus through a virtual tour. Students were introduced to the curriculum, ESE pattern, Add-on/ JoC Courses, Foundation Courses, Human Values, Sports, Library, Online Technology Usage and Extra and Co-Curricular Activities. Bridge

courses were provided for English, Mathematics and Computer Science

### Students' Forum Election

The Students' Forum Election was conducted through online voting system for the post of President, Vice President, General Secretary and Fine Arts Secretary. The secretaries of various Departmental Associations were selected unanimously

### ISO Audit

ISO surveillance Remote Audit was conducted on 28<sup>th</sup> May 2020

### Academic Council

The 23<sup>rd</sup> academic council meeting was held virtually on 29-01-2021

### Board of Studies

The board of studies was conducted virtually for all the departments during the last week of May 2021. The changes suggested by the experts were incorporated in the syllabus

## Celebrating National Integration



The 72<sup>nd</sup> **Independence Day** was celebrated on 15<sup>th</sup> August 2020 in the college at the open Auditorium, Staff and NCC students were present for the flag hoisting. After the parade Dr.S.Nirmala, Principal, hoisted the national flag and delivered the Independence speech

In commemoration of the Independence Day the Department of History organized an Online Guest lecture on *Importance of Independence* at 10 am through Google Meet. Sri Rajesh Govindarajulu, Industrialist MD Hiralmaye Pvt Ltd, Coimbatore was the Chief guest

The **Republic Day** was celebrated in our campus with appropriate covid precautions and social distancing. Few faculty members and NCC students participated. The Programme started at 9 am in the GRG sports ground. Dr.S.Nirmala, Principal, hoisted the flag after the marchpast by NCC cadets

### Republic Day Parade Camp 2021

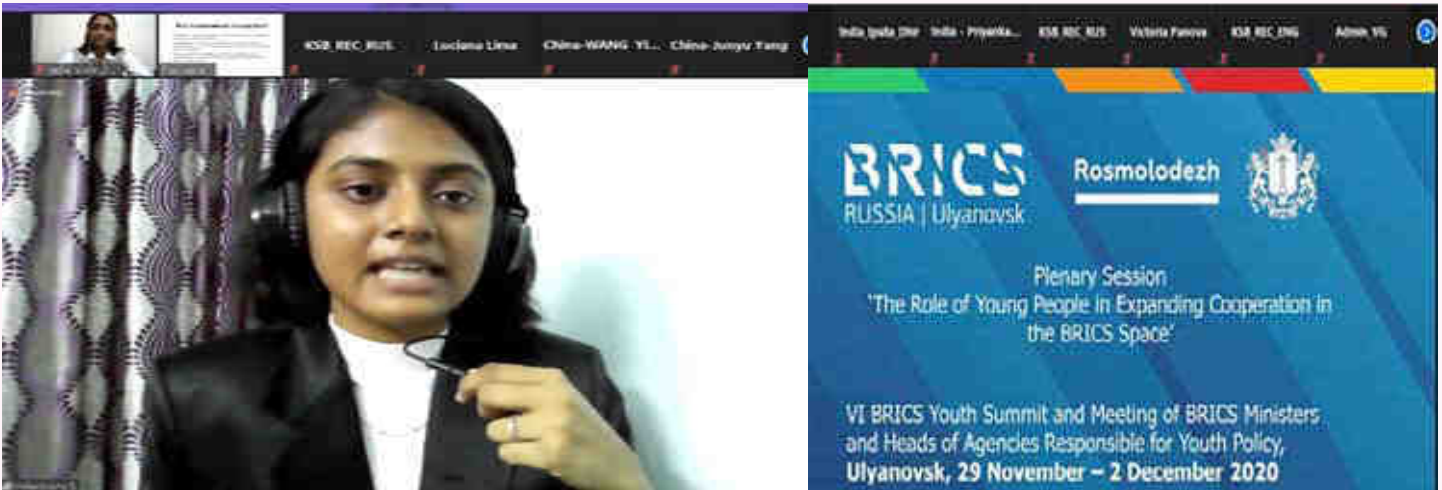


NSS volunteer Ms. Preesha. E of III B.A English Literature (aided) took part in the 72<sup>nd</sup> Republic Day Parade March on Rajpath representing the State of Tamilnadu. Mrs.K.Suguna, NSS Programme Officer, Assistant Professor, Department of History, led the 16 member contingent of Tamilnadu and Puducherry



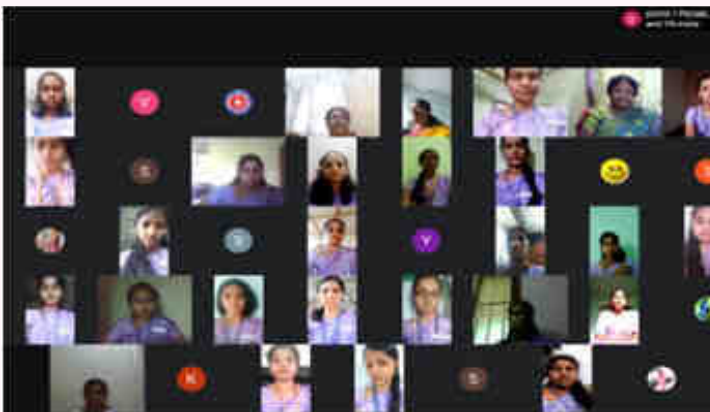
The Republic Day Parade Camp kindled the spirit of national integration among the participants

## Brics International Conference



The 6<sup>th</sup> BRICS Youth Summit 2020 took place in Ulyanovsk- Russia from 29<sup>th</sup> November to 1<sup>st</sup> December 2020. An online conference was conducted and young participants from the BRICS country participated in it. Fifteen young volunteers representing India participated in the event. Ms. Sruthi S, NSS Joint Secretary of PSGR Krishnammal College for Women representing Tamil Nadu and India gave a speech in the BRICS Summit on

the topic VOLUNTEERISM on 30<sup>th</sup> November 2020. Ms. Sruthi and her team mate gave a suggestion for creating one integrated web – platform and a separate page for volunteers of the BRICS Countries. This idea was finalized by the BRICS committee and Ministers of Youth & Affairs of five countries declared the proposal in the 6<sup>th</sup> BRICS Youth Summit Forum - 2020 on (1<sup>st</sup> December 2020) at 5:00 pm IST



### NSS DAY CELEBRATION

51<sup>st</sup> NSS Day celebration was celebrated on 24.09.2020 through Google meet. Posters created by our volunteers to spread awareness regarding importance of nutrition were exhibited. Dr. M. Senthilkumar, State NSS Officer, Chennai and Dr. R. Annadurai, NSS Program Coordinator I/C, Bharathiyar University were invited as the Chief Guests for the special event

### SWACHH BHARAT INITIATIVE

Swachh Bharat Plogging organized on 11<sup>th</sup> December 2020 from 9.30 am at Race Course around 100 NCC Cadets participated in the event. Cadets raised slogans of Clean India and picked up plastic wastes. The Event was flagged off by Col B.R.Satish, Commanding Officer, 5 TN Girls BN NCC, Coimbatore





In connection with Swachh Bharat Activities, distribution of Soaps, Masks and Pamphlets were organized on 14<sup>th</sup> December from 10.30 am at PSGR Krishnammal College Bus stop. Around 20 NCC Cadets participated in the event. Awareness on washing hands, maintaining social distance was created among the public. The Event was headed by Captain N.V.Kavitha, Associate NCC Officer

Yoga club members cleaned the Thiyagi N G R School at Coimbatore on 02.10.2020 as a part of Swatch Bharath Mission

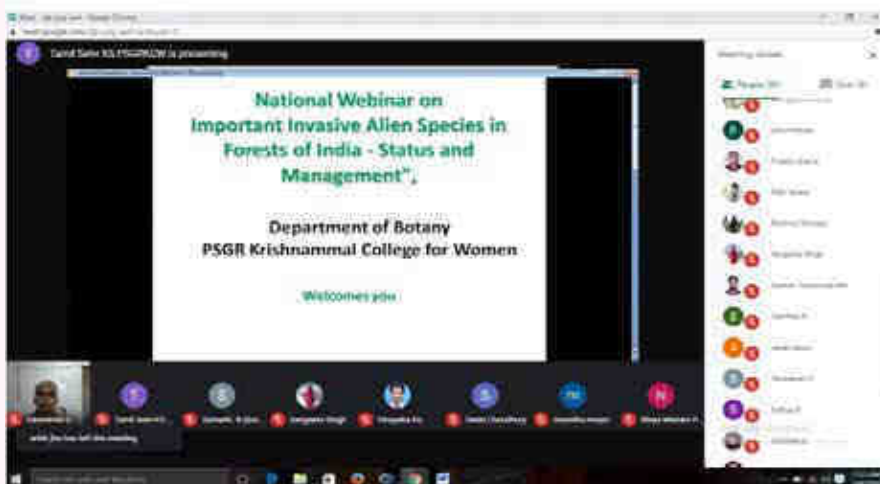


## Vanamahotsava & Wildlife Week Celebrations



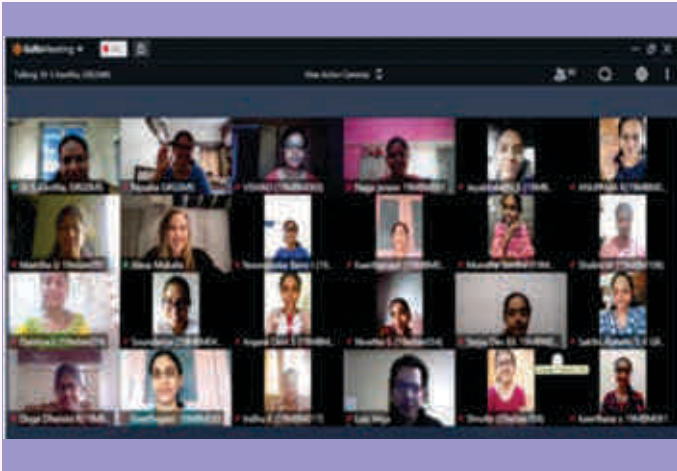
Vanamahotsava & Wildlife week Celebrations on Mammalian Diversity of the World with special reference to their Status and Conservation in India, jointly organized by the Naturalist Association-Departments of Botany and Zoology on 7.10.2020 - Gaurav Sharma, Scientist-E Northern Regional Centre (MoEFCC), Zoological Survey of India Dehradun, Uttarakhand, addressed the webinar

In commemoration of the VanMahotsav Week Department of Botany organized a National Webinar on Important Invasive Alien Species in Forests of India - Status and Management on 08.07.2020 Dr.S.Saravanan, Scientist-'E', Forest Management and Agro forestry Division, Tropical Forest Research Institute (ICFRE), Madhya Pradesh, India, delivered the lecture



# Global Networking

*Office of International Relations – Initiatives for the year 2020 -2021*



Connecting students and faculty around the world through COIL (Collaborative Online International Learning) was hosted by the San Diego State University, USA. As a part of our international programme, one of our faculty member Dr.Kavitha and a few of our students participated in a session on social media marketing / digital marketing on 13<sup>th</sup> January 2021 which was conducted by Dr. Alexa Mokalis



Programme on 'International Cooperation for Solving Social Problems' for Cety's University, Mexico – 6<sup>th</sup> March to 24<sup>th</sup> April 2021

Participation in Virtual Education Fair organized by IIK in Kuwait – 7<sup>th</sup> to 9<sup>th</sup> January 2021

Programme on 'Social Entrepreneurship' for Nottingham Trent University (NTU) – 10<sup>th</sup> to 12<sup>th</sup> February 2021

Global Responsibility Week of Nottingham Trent University – 23<sup>rd</sup> and 24<sup>th</sup> March 2021 - Session by Dr.Sadhasivam

Programme on 'Social Entrepreneurship' for Cety's University, Mexico – 6<sup>th</sup> February to 27<sup>th</sup> March 2021

Programme on 'Social Media Marketing' for Cety's University, Mexico – 20<sup>th</sup> March to 22<sup>nd</sup> May 2021

## IQAC Activities

### Peer Group Learning – One Week Workshop & Hands-on Training for handling Online Teaching Portals

The IQAC conducted a one-week workshop in the 1<sup>st</sup> week of July. Faculty members were trained in the following domains.

- ❖ Organizing zoom meeting
- ❖ Google meet
- ❖ Google form – creating quiz assignment- google sheet – can extract marks
- ❖ Posting videos – video resources – PPT voice recording
- ❖ Screen recording software – creating own videos



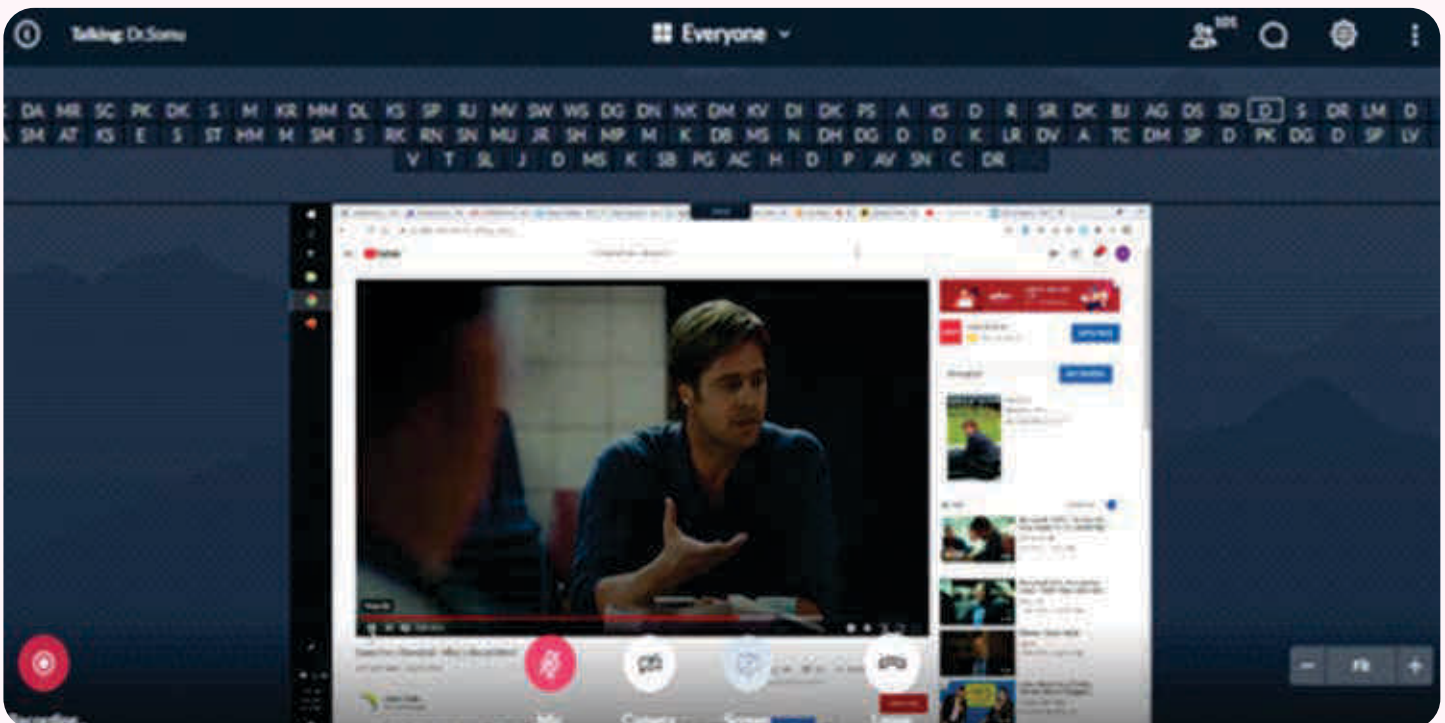
# Faculty Development Programmes



## Need of Universal Values in each stage of lifespan

Faculty Development Programme was organised by IQAC and Department of Psychology on 30.05.2020 and Dr. Hema Ganapathy Coleman, University of Toronto, Canada, was the resource person

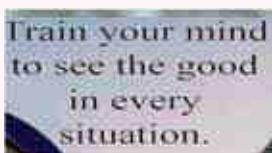
**Neuropsychological functions and Emotion processing deficits** was organised by IQAC and Department of Psychology on 03.06.2020 Dr. Gopukumar Kumarpillai Neuropsychologist, Bangalore, was the resource person



Artificial Intelligence and Data Science was organised by IQAC and Department of Computer Science PG on 08.08.2020 & 09.08.2020 Dr. Somasundaram, Team Leader, Digitalization, Siemens; Chennai, was the resource person



Augmented Reality for E- content Development was organised by IQAC and Department of Computer Science UG on 08.02.2021, AkshayDhone, Innovative Plants, Mumbai, was the resource person

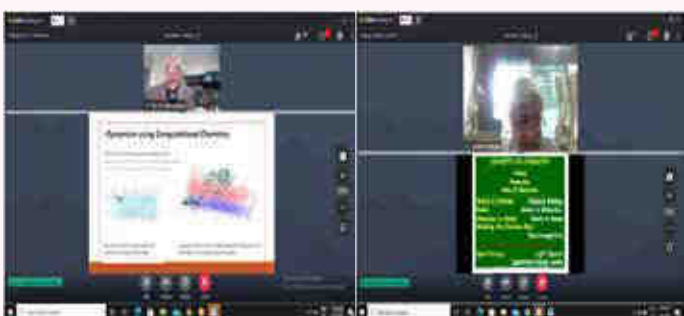


Train your mind to conquer the challenges was organized for our students. 20.05.2021 Mrs. K.S. Paviyazhini, counseling psychologist of our college addressed the students



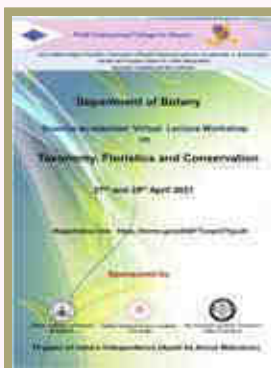
Tools for Interactive Online Teaching was organised by IQAC and Department of Mathematics PG on 17.04.2021. Dr. S. Gomathi IEEE senior member, (certified teaching consultant and Instructor for UK-IQ-Qualifi Level 5 IT courses) Coimbatore, was the resource person

## Department Activities

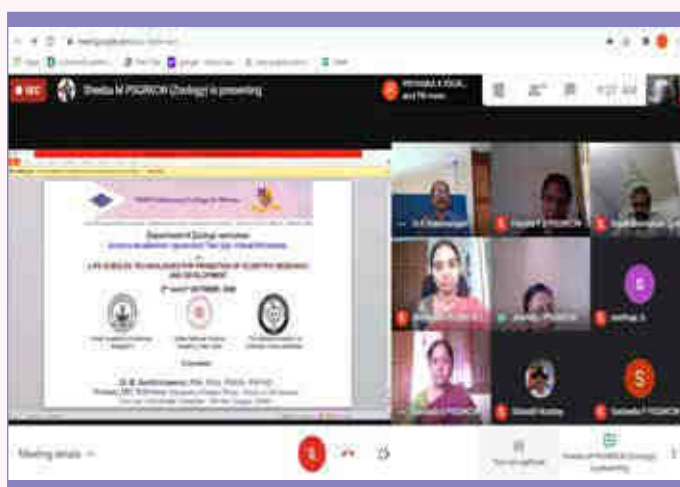


The Department of Chemistry organized a 14 Days Refresher Course on *Theoretical and Computational Chemistry* Sponsored by the Science Academies from 27.01.2021 to 11.02.2021

### SCIENCE ACADEMIES' VIRTUAL LECTURE WORKSHOP



Department of Botany conducted **Science Academies Virtual Lecture Workshop on Taxonomy, Floristics, Conservation** from 27.4.2021 & 28.4.2021

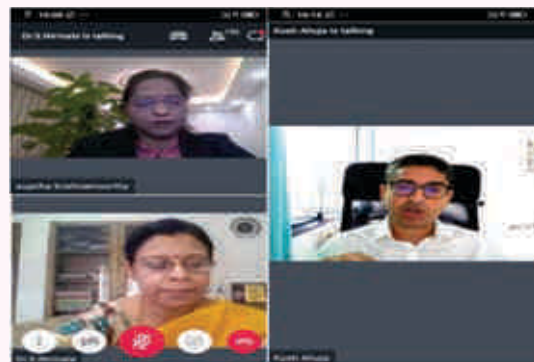


Virtual Workshop on Life Sciences Technologies for Promotion of Scientific Research and Development was the Zoology Department with the support of Science Academies viz., Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi and the National Academy of Sciences, Allahabad. Prof. B. Senthilkumaran, FNA, FASc, FNASc, FAP-AS, Professor, DBT-TATA Fellow Awardee, Department of Animal Biology, School of Life Sciences, University of Hyderabad, Hyderabad was the convener

## International Conference



Department of Physics and Chemistry conducted International Interdisciplinary Conference on *Breakthroughs and Approaches in Contemporary Scientific Research* from 17.02.2021 to 19.02.2021



Department of Commerce organized a two days (18.02.2021 & 19.02.2021) International Conference on *The Current and Future Impact of Artificial Intelligence on Business* and Mr. Kushn Ahuja, Head, Business Development, ACCA & Dr.Sujatha Krishnamoorthy, Dept. of Computer Science, Wenzhou Kean University, China was the resource persons

## International Webinar



Department of Zoology on 06.06.2020 organized an International Webinar on *Mycotoxins- an Overview* Dr. Liliana Santos, Research Scientist, Center for Environmental and Ocean Studies, University of Aveiro, Portugal, delivered the lecture



Department of B.Com e.Com & B.Com SF on 22.02.2021 organized an International Webinar on *Corporate Governance in India – Past and Present*. Dr. Shantharu, University of Colombo, Sri Lanka and Dr. M.R. Vanithamani, Karpagam College of Engineering, Coimbatore, delivered the lecture.



The Department of Mathematics on 18.08.2020 organized an International Webinar on “Managing psychological emotions and stress in the workplace during the crisis time” Ms.Pang chia Yee, Faculty of Social Sciences & Leisure Management, Taylor's University, Malaysia, delivered the lecture



Department of Economics on 07.07.2020 organized an International Webinar on Covid -19 and Policy Response in Agriculture Sector. Prof. J. Weerahewa, Faculty of Agriculture University of Peradeniya, Sri Lanka, delivered the lecture

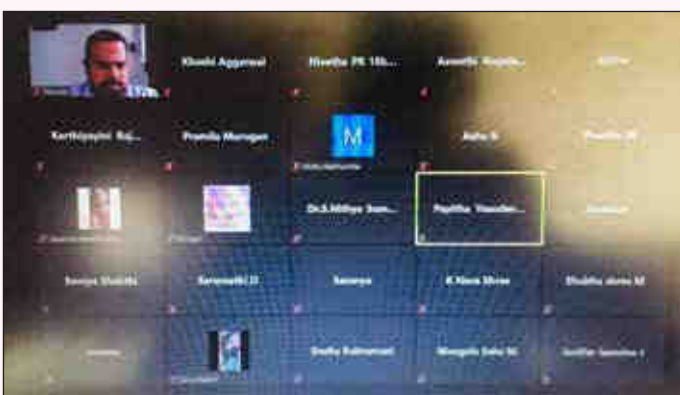
## National Webinar



Department of Physics organized a Webinar Series. Dr. M. SenthilVelan, Professor and Head, Department of Nonlinear Dynamics, Bharathidasan University, Tiruchirappalli delivered a lecture on Statistical Physics from 01.06.2020 to 10.06.2020



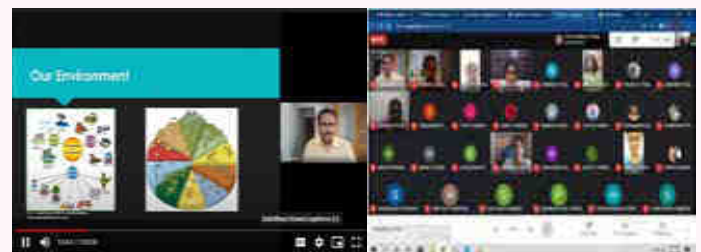
Department of Costume Design & Fashion and B.Voc Garment Designing on 20.07.2020 organized a Webinar on *Fashion Portfolio*



Department of B.Com CA & M.Com organized a Webinar on *Financial Wellness*. Mr. Nanda Kishore Sethuraman, CMO, Poancho Solutions, Bengaluru, Karnataka, delivered the lecture on 08.08.2020



Department of BBA IB & RM on 17.08.2020 organized a National Webinar on *Life on Land* (UN Sustainable Development Goal). Mr. Mohammed Saleem, National Geographic Educator, President, Environment Conservation Group, delivered the lecture



Department of Chemistry on 31.12.2020 organized a Webinar on *Human step towards Saving Water and Humanity*. Dr. S. Ginil Mon, Assistant Professor, Department of Chemistry, Nesamony Memorial Christian College, Marthandam, delivered the lecture.

## FACULTY DEVELOPMENT PROGRAMMES



Department of BBA on 29.06.2020 organized a Faculty Development Programme on *Writing Quality Publication with Quantitative Metrics*. Dr. M. Sadik Batcha, Professor, Annamalai University, delivered the lecture

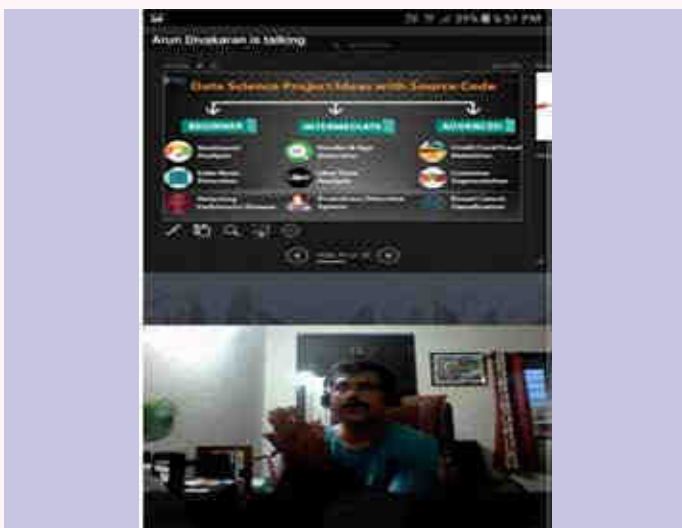


Department of B.Com AF & BA on 19.08.2020 organized a faculty development programme on *Intellectual Property Rights*. Dr. K. K. Baseer, Associate Professor, Sree Vidyanikethan Engineering College, Tirupathi delivered the lecture

Three days short term Virtual Training Programme from 08.10.2020 to 10.10.2020 on *Developing Learning Management System using MOODLE* was organized by the Mathematics Department. Dr. A.Naseer Ahmed, Assistant Professor in Mathematics, Department of Information Technology, University of Technology and Applied Sciences, Nizwa, Sultanate of Oman, addressed the students

Three days Faculty Development Programme from 14.12.2020 to 16.12.2020 on *NEP implementation on Internal Quality Assurance in HEI* was organized by Department of Mathematics and Dr. Pankaj Mittal, Secretary General, Association of Indian Universities, Member (ICCR), New Delhi

## Guest Lectures

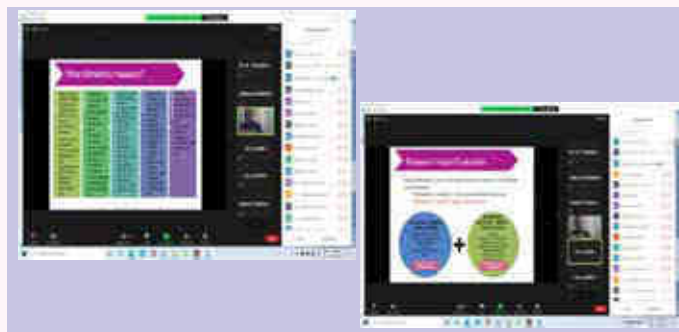


Department of Computer Science (UG) on 10.07.2020 organized a Guest Lecture. Mr. Arun Divakaran, Senior Technical Consultant, The Data Science Company, Coimbatore, delivered a lecture on Data Science –Trends and Applications



Guest Lecture on *Plant Diversity in India – Status & Conservation*, was organized by the Department of Botany on 17.10.2020. Dr.C.Kunhikannan, Director, Institute of Forest Genetics and Tree Breeding, Coimbatore, was the resource person

## Workshops

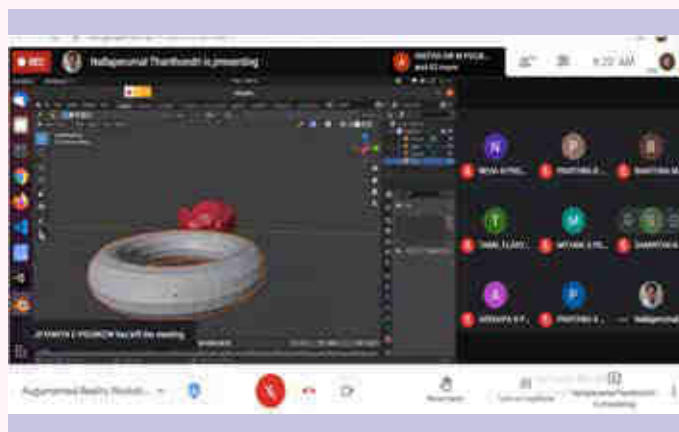


*Altmetrics for Research Evaluation* was organized by the Department of Library and Department of Economics on 15.05.2021 and the resource person for the event was Mr. Pallab Pradhan, Scientist-C, INFLBNET, Gujarat



23.01.2021 – Department of B.Voc Beauty Therapy organized a Workshop on *Advance Professional Makeup*. The resource person was Mrs. Priya, Cine Makeup Artist, Coimbatore

02.02.2021 – Department of Commerce organized a Workshop on *Tally and GST*. Mr. Gowtham, Partner, SriKara Technologies, Coimbatore, was the resource person



Department of Computer Science PG on 05.02.2021 organized a Workshop on *Augmented Reality*. Mr. Nallaperumal T, Technical Lead & Co-founder, Appville Softwares, Coimbatore, was the resource person

# Academia – Community Connect

## SPORTS

Our students participated in 53 Sports Competitions and Won 38 Medals, including 6 Awards, 11 Gold medals, 13 Silver Medals and 14 Bronze Medals in State, National and International Level Sports Competitions



N. Nagajothi – I BA Economics participated in silambam the 1<sup>st</sup> Ever Virtual World Record Event and Noble World Record Events which have been certified in the Asia Book of Records and Noble Book of World Records respectively

Gayathri. S – I BA Economics represented India in the 2<sup>nd</sup> MK Classic International Online Taekwondo Championship and won the Gold Medal in Senior Female Individual Red to Red 1 Codista Poomsae and Silver Medal in Senior Female Team Black Belt Codista Poomsae

P. Subrajaa – II BA Economics participated in 7 different sports competitions at the state and national levels and won 1 Gold Medal, 2 Silver Medals and 3 Bronze Medals

C. Vishrutha – II B.Com won 2 Bronze Medals in the 400 m Hurdles Event in the National Level Junior Athlete Meet and Federation Athlete Meet

## HEALTH CARE

International Live Colloquium on *Start to Hit and Set to Fit for Healthy Life* was organized on 29.08.2020 through You Tube Live Stream. Guest from NHS, United Kingdom and

Karnataka addressed on topics on living a healthy life. 2000 participants took part in this live program

National Level Live Awareness Program on *Healthy Heart is Healthy Body* was organized on 29.9.2020 through You Tube Live Stream. 3312 participants took part in this live program and benefitted from the program

National Level Live Workshop on *Collaborative Counseling for Healthy Mind* was organized to commemorate the *World Mental Health Day* on 10.10.2020 for students across India through You Tube. Around 6500 students participated and benefitted from the program

Department of Physical Education organized awareness programmes on *Spiritual Health* on 05.02.2021, *Physiological Health* on 13.02.2021 and *Inner Health is Outer Beauty* on 19-02-2021

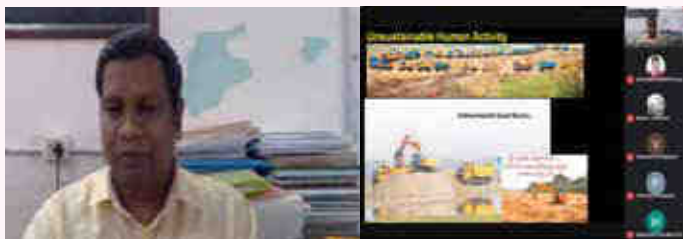
Online functional fitness practical classes, Awareness programme on COVID-19 Safety Measures, Programmes on Safety and Security of Women and Girls in India, Laughing Therapy, Women Health Care, Gender Gap Health Care, Physical Health, Mental Health, Social Health, Environmental Health, and Cultural Health were organized

## YOGA

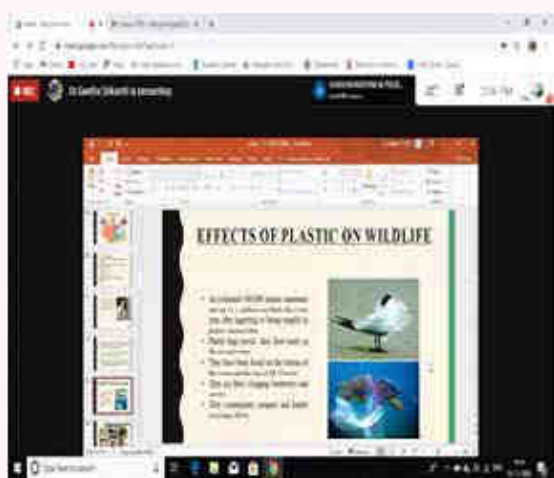


Yoga club students attended the Rashtra Sevika Samithi 3 day's residential camp (25/12/2020 to 27/12/2020) at TVS memorial school, Kovaiputhur Coimbatore. In this camp they learnt to communicate in Sanskrit, mantra chanting, time management in daily routine, responsibility of each individual and social works, silambam, self-defense, women's duties & contribution to the society and some physical activities

## ECOWATCH



ECO watch club organised a Webinar on *Conserve Nature for Future Generation* on 22.10.2020 Dr.S.Jayakumar, Assistant Professor of Zoology, AVC College, Mayiladuthurai



ECO watch club organised a Guest Lecture on *Plastic – a Boon or a Bane* on 05.11.2020 Dr.Geetha Srikanth, Assistant professor (SG), Centre for Computational Engineering and Networking, Amirtha Vishwa Vidyaapeetham, Coimbatore was the resource person

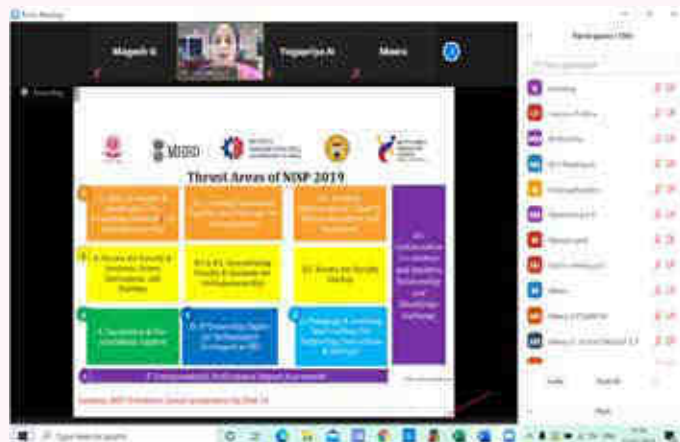
## INSTITUTION'S INNOVATION COUNCIL (IIC)

26-11-2020-Exposure and field visit for problem identification - Virtual tour to Karma Innovation

17-12-2020 - Orientation Session on National Education Policy (with a focus on Innovation and entrepreneurship) - a Dr. S. Narasimhan, Principal consultant and coach, The Lyceum, Coimbatore

14-12-2020- Orientation session for all students & faculties of Institute by Innovation Ambassador - Dr. Mahesh Ganesapillai (Erasmus Fellow), Professor, Department of Chemical Engineering, Vellore Institute of Technology, Vellore, was the resource person

11.01.2021 and 18.01.2021- Idea Hackathon competition organized by the Innovation and Entrepreneurship development centre of PSGR Krishnammal College for Women



13-03-2021- Orientation Session for all students & faculties of the Institute by Innovation Ambassador “National Innovation and Startup Policy (NISP)”- The resource person was Dr. J. Lilly Mercy, NISP coordinator, Sathyabama Institute of Science and Technology

17-03-2021-Workshop on Business Model Canvas the resource person was Ms. Sujayo Rao, Consultant, Trainer & startup Mentor Entrepreneurship

24-03-2021-How to Plan Start-Up and Legal & Ethical Steps -The resource person was Mr. M. Seshadri Ramaswami, Founder-CEO, Business Mentor – Mentor Kraft Management Solutions, Bangalore

24-03-2021-Workshop on Intellectual Property Rights (IPRs) and IP management for startup - The resource person was Dr.C.R.Rene Robin M.E.,Ph.D., Professor & Dean (Innovation), Sai Ram Group of Institutions, Chennai

## INNOVATION & ENTREPRENEURSHIP DEVELOPMENT CENTRE

Entrepreneurship Awareness Camp was conducted for the 1 year Undergraduate students on 25.09.2020

E- Talk on *Creating and Launching a new business Venture* was organized on 15.10.2020. Nearly 250 students participated. Ms. Keerthana, Correspondent, Brainseed Preschool and Managing Partner, Vedham Edtech Solutions addressed the students and motivated them towards entrepreneurship

Idea Hackathon Competition was organized on 12.12. 2020. Nearly 35 ideas have been submitted

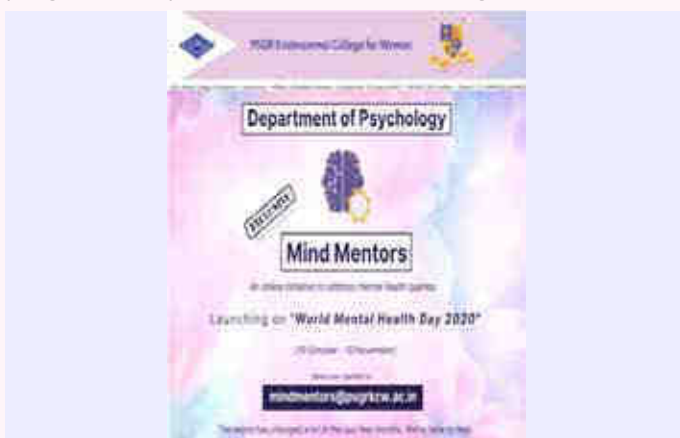
Workshop on *Social Entrepreneurship* was organized jointly with Mahatma Gandhi National Council of Rural Marketing (MGNCRE) on 03.02.2021

**WELL BEING CAMPAIGNERS CLUB**



**Weekend Webinar Series – Positivity and Well-being**

The Department of Psychology and WBC Club organized week end webinars to instil the spirit of positivity among students by inviting various renowned National and International psychologist WBC Club conducted an online program “Reap Reward for Positive Thoughts”



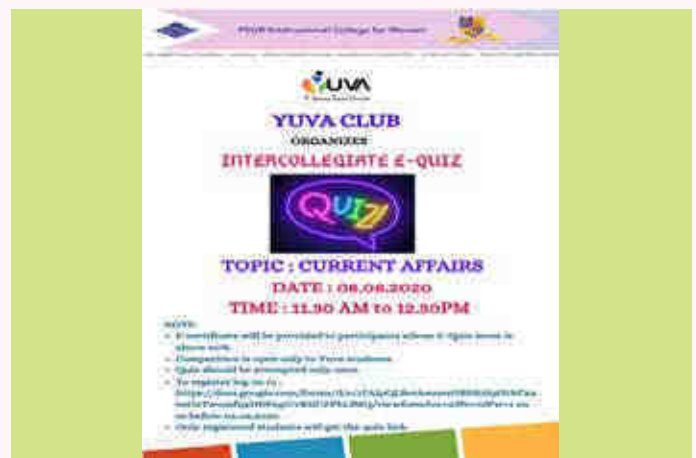
Mind Mentors is an online based peer mentoring program launched as part of *World Mental Health Day*, October 10<sup>th</sup>, 2020 by Well Being Club. The program was conceptualized and planned to run for a month, till 10<sup>th</sup> November, 2020

**UYIR CLUB**



Road Safety Awareness Webinar was conducted by UYIR Club on 28/10/2020 Thiru. K. V. Vinayagamorthy, Safety Awareness Officer, Coimbatore shared first hand experiences of accidents caused due to negligence and lack of awareness of road rules. Several legal solutions to problems related to road safety were discussed with students

**YUVA CLUB**



Covid-19 awareness online quiz was conducted on 13.07.2020 and Inter-collegiate online quiz on Current Affairs was conducted on 08.08.2020



Be A SuperHero - Be an Organ Donor an awareness talk about donating organs was organised by YUVA club on 11.08.2020. The chief guest Dr. Balu Kuppaswamy - Consultant Surgical Gastroenterologist – PSG Super Speciality Hospital shared his experience





Yuva Path Finder 2020 – Yuva Launch program was held on 19.10.2020. The chief guests were Dr.AishwaryaArjun, Chapter Chair of Yuva, Coimbatore, Mrs.R.Rajalakshmi, Co-Chair of Yuva, Coimbatore, Mr.Jayaprashanth Jayachandran, Chapter Co-Chair and Mr.MehulB.Mehta, Institutional Chair of Yuva

## YOUTH RED CROSS

12.02.2021 - Awareness on Healthcare - Dr. Vishnu Priya, Clinical Psychologist was the resource person

13.02.2021 - Physical Education for Self-Development - Dr. Manju Pushpa, Assistant Professor, Dept of Physical Education, Bharathiar University, Coimbatore, was the resource person

13.03.2021- Programme on Life Skills- Dr. Vishnu Priya, Clinical Psychologist was the resource person

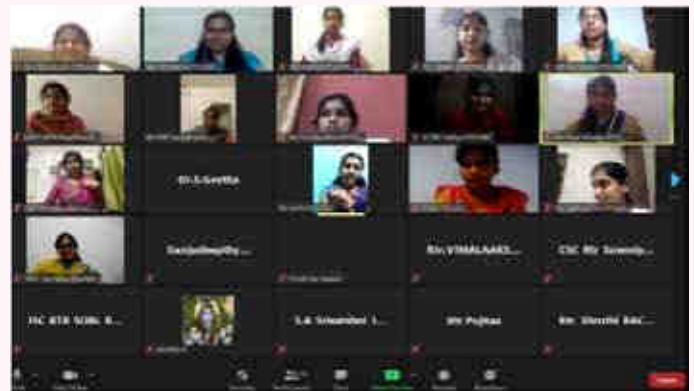
## ROTARACT



KNOCK! KNOCK!! ROTARACT!!! An online General Member Orientation program for Rotract members was conducted on 17.07.2020. The session was handled by Rtr.MuthuPrasanna, Certified District Trainer, and Rotaract Club of Covai User Group



Transforming Youth: Opportunities and Challenges on 16.11.2020 was handled by Rtn. Dr. P.R. Muthuswamy



Rotaract Club celebrated 13<sup>th</sup> Installation Ceremony virtually – GET SET GO on 14.08.2020. Installation of Incoming Team happened along with the releases of Club Logo, Theme, Letterhead, Newsletter, and New Project Releases



Rotaract Club organised an Entrepreneurship development initiative on 29.08.2020 - The Making – Phase 1, wherein interaction with a successful Entrepreneur was provided. The 1st phase was handled by Mrs.Dhivyaa, Women Entrepreneur–Colour Me Vesture, and Bangalore Headquarters.

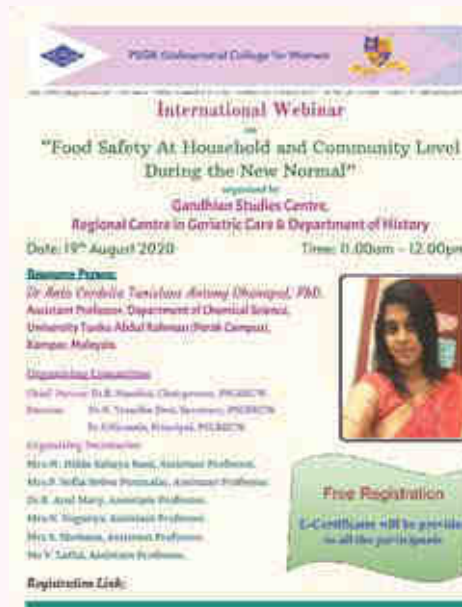
## GANDIAN STUDIES CENTRE AND GERIATRIC CARE CENTRE

Gandian Studies Centre and Geriatric Care Centre organized national level webinar on *Battling Depression in Elderly During Covid-19* on 07.08.2020. The participants were students and faculty members of college and universities from various states in India, NGO's and care givers working in hospitals and oldage homes were the participants. Dr Rahul Padmanabhan, MBBS, MA (USA), MBA, Consultant in Geriatrics and Gerontology, Medical Director, Dr Rahul's Elder Coimbatore was the resource person of the webinar



Gandian Studies Centre and Geriatric Care Centre, PG & Research & Department of History organised International level webinar *Food Safety at Family and*

*Community Level during Covid-19* on 07.08.2020. Students and Faculty Members of college and universities from various states in India and abroad (Malaysia Indonesia, Srilanka etc), NGO's and care givers working in hospitals and oldage homes were the participants. Dr Anto Cordelia Tanislaus Antony Dhanapal, PhD, Assistant Professor, Department of Chemical Science, University Tunku Abdul Rahman (Perak Campus), Kampar, Malaysia was the resource person



Gender Champion Club & Department of English on 07.08.2020 during World breast feeding Week organised an awareness talk *New Age Parenting*. Mrs. Haritha. P, Founder-Thalir gave antenatal education choosing the right kind of care provider for breast feeding and how all these choices impact the baby and the mother

## DBT Star College

### Guest Lecture

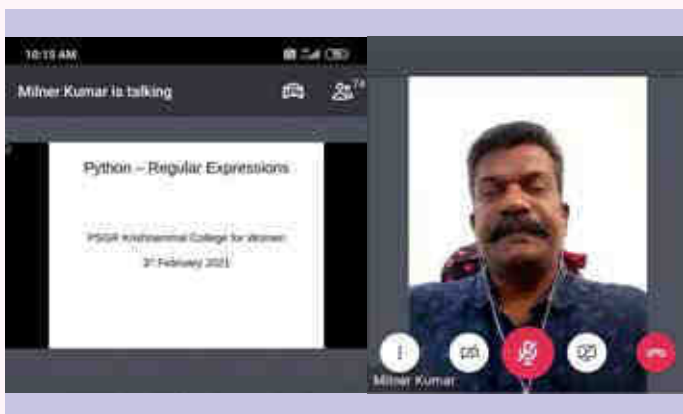
31.08.2020 - Department of Computer Science (UG) on organized a Guest Lecture under DBT star on the topic *Bioinformatics based Interdisciplinary Projects* Dr. Modhumita Dasgupta, Scientist G, IFGTB, Coimbatore was the resource person

08.02.2021- Interdepartmental Guest Lecture - *Applications of Artificial Intelligence- Butterfly Classification* was organized. Mr. H. Theivaprakasham Co-founder, The Nature and Butterfly Society Coimbatore was the resource person

20.01.2021- Guest Lecture on *Nano Biotechnology in Agriculture* was organized. Dr. J. Angarikanni, Associate Professor & Head, Department of Microbial Biotechnology, Bharathiar University, Coimbatore delivered the lecture

15.02.2021 Guest Lecture on *Structural Analysis of Covid-19* was organized. Dr. Aneesh Nair, Scientist & Head, Biozone Research Technologies Pvt, Ltd, Chennai was the resource person

## Adjunct Faculty Lecture



Adjunct Faculty Lecture on *Python Programming for Bioinformatics* was organized from 01.02.2021 to 5.02.2021. Dr. M. Milner Kumar Proprietor, Black Buck Technologies, Chennai, was the resource person.

### Short Term Training

Four students from Department of BCA attended Short Term Training in Bioinformatics at NIELIT, Guwahati from 4.01.2021 to 11.04.2021.

### Inter Departmental FDP

Two days (08.02.2021 & 09.02.2021) Inter Departmental FDP on *Cloud Computing for Biomedical Researchers* was organized. Rahul Gupta, Head Trainer, IIT, Kanpur was the resource person.

Two days (12/02/2021 and 13/02/2021) Interdepartmental Faculty Development Program *Biomedical Bigdata* was organized. Mr. B. Imran, Full Stack Developer, Crayond Digital pvt. Ltd, Chennai was the resource person.

### Inter Collegiate FDP

29.03.2021-Inter Collegiate FDP on *Artificial Intelligence and Machine Learning for Biological Data Analysis* was conducted. Mr. Santhosh Kumar Selvaraj, Senior Technical Architect, Robert Bosch Engineering and Business Solutions Ltd, Coimbatore was the resource person.

### Community Development Program

Community Development Program on *Smart Farming* was organized under DBT Star Status by Department of Information Technology along with RWTP on 25.03.2021. 24 farmers, 10 Students and 3 Faculty members were benefited from the program and Mr. M. Karrupusamy, Asst. Horticulture Officer, Annur was the resource person.

### Interdepartmental Competition

Interdepartmental Competition *BioEsperanza-2020* was conducted on 16.02.2021 around 70 students from various departments participated in the competition.

### Workshop

4 days' Workshop (07.01.2021 to 12.01.2021) on Computational Biology was conducted. Dr. S. Shiva Shankari, Assistant Professor, Department of Bio-Informatics, Nirmala College for Women Coimbatore was the resource person.

Inter departmental Workshop on *Cheminformatics Tools* was organized on 29.01.2021 & 30.1.2021. Dr. P. Lalitha, Associate Professor Department of Chemistry, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore was the resource person.

4 days' Workshop (02.02.2021 to 5.2.2021) on *Augmented Reality - Bringing world into Class room* – was conducted from Mr. Akshay U Dhone. Android Developer Innovative Plans, Mumbai was the resource person.

3 days' Workshop (21.01.2021 to 23.01.2021) on *BioInformatic Analysis of Next Generation Sequencing Data* was conducted. Dr. R. Subhashini, Assistant Professor, Department of Bioinformatics, Dr. G. R. Damodaran College of Science, Coimbatore was the resource person.

3 days' Workshop (27.01.2021 to 29.01.2021) on *Next Generation Sequencing* was conducted. Dr. S. Divya, Post Doctorate Research Fellow, Department of Biotechnology, Bharathiar University, Coimbatore was the resource person.

27.02.2021-Workshop on *R Programming for Bioinformatics* was conducted. Dr. K. Chandra, Associate Professor, Department of Computer Science, Christ (Deemed to be university), Bangalore was the resource person.

11.02.2021-Workshop on *App Development* was conducted. Dr. Bright Gee Vargees, Assistant Professor, Department of Computer Science, Karunya University, Coimbatore was the resource person.

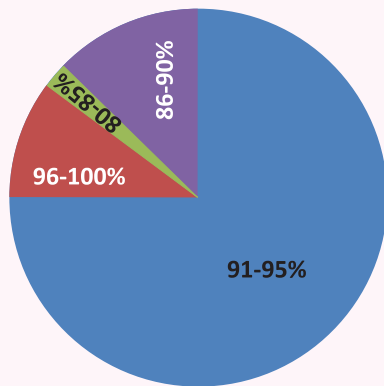
27.03.2021- Workshop on *Intellectual Property Rights and IP Management Start-up* was conducted. Dr. Rene Robin, Professor & Dean, Sai Ram Group of Institutions, Chennai was the resource person.

# REPORT ON STUDENTS FEEDBACK ONLINE-TEACHING/LEARNING PROCESS

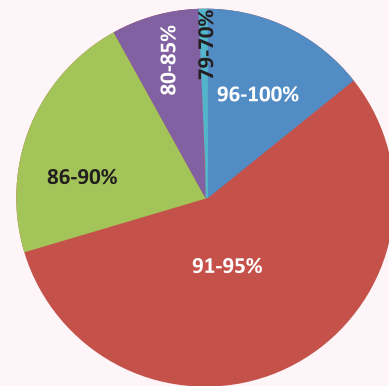
## Aided Overall College Performance

## SF Overall College Performance

MARKS/FACULTY



MARKS/FACULTY



### Student's feedback on teaching efficiency

#### Aided

- 85% of the faculty fall in the top category of 90–100 points
- 15% of the faculty fall in the category of 80–90 points

#### Self – Financing

- 70% of the faculty fall in the top category of 90–100 points
- 29% of the faculty fall in the category of 80–90 points
- 1% of the faculty is in the range of 80–70 points

### Report Analysis

Maximum number of faculty fall in the top category of 80 – 100 points. This is a clear indication that the students are satisfied with the online teaching learning process.

## PUBLICATIONS AND RESEARCH PROJECT

Scopus indexed journals	:	88
Web of Science	:	49

## PROGRAMMES CONDUCTED

❖ International webinars	:	8
❖ National webinars	:	38
❖ Guest Lectures	:	100
❖ Workshops	:	22
❖ Video Conferences	:	5
❖ International Conference	:	2
❖ Refresher Course	:	1
❖ Faculty Development Programmes	:	11

## ONGOING FUNDED RESEARCH PROJECTS

❖ Number of major projects	:	6
❖ Number of minor projects	:	3

**Total fund** : **165.11 Lakhs**

## ONGOING GRG TRUST PROJECTS

❖ Number of major/ minor projects	:	31
<b>Total fund</b>	:	<b>Rs.23.8 Lakhs</b>

## Publications in Scopus Indexed &amp; Web of Science

- Hemapriya V., Prabakaran M., Chitra S., Swathika M., Kim S.-H., Chung I.-M., Utilization of bio-waste as an eco- friendly biodegradable corrosion inhibitor for mild steel in 1 mol/L HCl solution, Arabian Journal of Chemistry, 13(12), (2020)
- Chung I.-M., Malathy R., Priyadharshini R., Hemapriya V., Kim S.-H., Prabakaran M. Inhibition of mild steel corrosion using Magnolia kobus extract in sulphuric acid medium, Materials Today Communications, 25, (2020)
- Sriramprabha R., Sekar M., Revathi R., Viswanathan C., Wilson J. "Fe<sup>2+</sup>/O<sup>3-</sup>/polyaniline supramolecular nanocomposite: A receptor free sensor platform for the quantitative determination of serum creatinine" Analytica Chimica Acta, 2020 Nov 15;1137:103-114. doi: 10.1016/j.aca.2020.09.004
- Srinivasan N., Rajendra Kumar D., Sridhar R., Amutha P. Tribomechanical performance of MgO-ZnO nanoparticles as lubricating additives in the microextrusion process Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science 2020 <https://doi.org/10.1177/0954406220922859>
- Saranya J., Benhiba F., Anusuya N., Subbiah R., Zarrouk A., Chitra S. Experimental and computational approaches on the pyran derivatives for acid corrosion Colloids and Surfaces A: Physicochemical and Engineering Aspects, 603, 2020, 125231
- Lakshmi S.V. A study on machine learning based conversational agents and designing techniques Proceedings of the 4th International Conference on IoT in Social, Mobile, Analytics and Cloud, ISMAC 2020
- Duraisamy P.D., Gopalan P., Angamuthu A. Intermolecular C-H...H-M dihydrogen bonds in five-membered heterocyclic complexes: a DFT and ab-initio study Monatshefte fur Chemie, 2020,151, pages 1569-1579
- Jincy C.S., Meena P. Synthesis, characterization, and NH<sub>3</sub> gas sensing application of Zn doped cobalt oxide nanoparticles, Inorganic Chemistry Communications, Volume 120, October 2020, 108145
- Kayalvizhy E., Rajan M.S., Pazhanisamy P. BSA adsorption, anthelmintic activity and swelling behavior of poly (N- cyclohexyl acrylamide-co-AMPS IL) hydrogel Journal of Molecular Liquids, Volume 314, 15 September 2020, 113692
- Kalaimani V., Uma Gandhi R. Hybrid Ensemble Feature Selection (HEFS) model for gene expression microarray data European Journal of Molecular and Clinical Medicine Volume 7, Issue 3, 2020
- Kayalvizhy E., Pazhanisamy P. "Swelling behavior and antioxidant activity of poly (N-cert-polyacrylamide-co-acrylamide/[3-(Methacryloylamino) propyl] trimethylammonium chloride) gold nanocomposite hydrogels" Research Journal of Chemistry and Environment

12. Garcia-Abrego C., Zauz S., Toprakhisar B., Subramani R., Deschaume O., Jookan S., Bajaj M., Ramon H., Verfaillie C., Bartic C., Patterson J. Towards mimicking the fetal liver niche: The influence of elasticity and oxygen tension on hematopoietic stem/progenitor cells cultured in 3D fibrin hydrogels *International Journal of Molecular Sciences* 2020, 21 (17), 6367
13. D. Thiruarul, K. B. Rajesh, M. Lavanya, G. Mahadevan, Dhayalan Velauthapillai, Z. Jaroszewicz Generation of ultra-long multiple optical tubes using annular Walsh function filters *Optical and Quantum Electronics*, 52, Article number: 396 (2020) : doi:10.1007/s11082-020-02507-1
14. Priya V.N., Rajkumar M., Magesh G., Mobika J., Sibi S.P.L. Chitosan assisted Fe-Al double layered hydroxide/reduced graphene oxide composites for As(V) removal, *Materials Chemistry and Physics*, Volume 251, 1 September 2020, 123108.
15. Subramani R., Izquierdo- Alvarez A., Bhattacharya P., Meerts M., Moldenaers P., Ramon H., Van Oosterwyck H. The Influence of Swelling on Elastic Properties of Polyacrylamide Hydrogels *Frontiers in Materials* 2020, 7:212.
16. Chung I.-M., Malathy R., Kim S.-H., Kalaiselvi K., Prabakaran M., Gopiraman M. Ecofriendly green inhibitor from *Hemerocallis fulva* against aluminum corrosion in sulphuric acid medium *Journal of Adhesion Science and Technology* <https://doi.org/10.1080/01694243.2020.1712770>
17. Kirubavathy S.J., Chitra S. Synthesis, characterization, biological and photoluminescence study of co(II) complexes of fused heterocyclic ring systems "Indian Journal of Pharmaceutical Education and Research, Jul-Sep, 2020, Vol 54, Issue 3.
18. Nithya C., Thiyagaraj G. Morphology oriented CuS nanostructures: Superior K-ion storage using surface enhanced pseudocapacitive effects *Sustainable Energy and Fuels* 28 Apr 2020
19. Saranya J., Jone Kirubavathy S., Chitra S., Zarrouk A., Kalpana K., Lavanya K., Ravikiran B. Tetradentate Schiff Base Complexes of Transition Metals for Antimicrobial Activity *Arabian Journal for Science and Engineering*, 45 (6), 4683-4695, 2020
20. Devi G.N., Unnisa C.B.N., Roopan S.M., Hemapriya V., Chitra S., Chung I.-M., Kim S.-H., Prabakaran M. Floxacins: as Mediators in Enhancing the Corrosion Inhibition Efficiency of Natural Polymer Dextrin *Macromolecular Research* (2020)
21. Chung I.-M., Hemapriya V., Kanchana P., Arunadevi N., Chitra S., Kim S.-H., Prabakaran M. Active-polyphenolic-compounds-rich green inhibitor for the surface protection of low carbon steel in acidic medium *Surface Review and Letters*, 27 (06), 2020.
22. Alagu Vibisha G., Nayak J.K, Maheswari P., Priyadharsini N., Nisha A., Jaroszewicz Z., Rajesh K.B., Jha R. "Sensitivity enhancement of surface plasmon resonance sensor using hybrid configuration of 2D materials over bimetallic layer of Cu-Ni" *Optics Communications*, May 2020, Volume 463, 15 May 2020, 125337
23. Manoj M., Song J., Zhu W., Zhang J., Yuan A., Zhou H., Meena P. Polymer-assisted synthesis and applications of hydroxyapatite (HAp) anchored nitrogen-doped 3D graphene foam-based nanostructured ceramic framework "RSC Advances, RSC Adv., 2020, 10, 17918, DOI: 10.1039/d0ra01852j
24. Duraisamy P.D., Gopalan P., Angamuthu A. Molecular structure, FT-IR and NMR analyses of dihydrogen-bonded B<sub>3</sub>N<sub>3</sub>H<sub>6</sub> center dot center dot center dot HM complexes: a DFT and MP2 approach "Chemical Papers, 74 (5) 1609-1619 (2020)
25. Lega P.V., Orlov A.P., Frolov A.V., Subramani R., Irzhak A.V., Koledov V.V., Smolovich A.M., Shelyakov A.V. 3 D Nanomanipulation: Design and applications of functional nanostructured bio-materials *Journal of Physics: Conference Series* 1461 (1), 012082, 2020
26. Anitha R., Nusrath Unnisa C.B., Hemapriya V., Mohana Roopan S., Chitra S., Chung I.-M., Kim S.-H., Mayakrishnan P. Anti-corrosive potential of *Cyperus rotundus* as a viable corrosion inhibitor for mild steel in sulphuric acid *Pigment and Resin Technology* 49(4), 2020
27. Goswami M., Nithya C., Sathish N., Kumar S., Singh N., Srivastava A.K., Kumar S. Electrochemical studies on crystalline CuS as an electrode material for non-aqueous Na-ion capacitors" *New Journal of Chemistry* 03 Mar 2020 <https://doi.org/10.1039/C9NJ06465F>
28. Malathi K., Krishnaveni C., Sahithya S., Akila Shree J. GC-MS analysis of bioactive compounds present in ethanolic stem bark extract of an endemic plant *Chionanthus mala-elengi* (DENNST) P.S. GREEN (OLEACEAE)" *Plant Archives*. Volume 20(1): pp. 1577-1582, 2020
29. Santhi L. Enhanced reliable collaborative filtering for book prediction in academic library *International Journal of Scientific and Technology Research* Volume 9, Issue 04, April 2020
30. Saranya J., Benhiba F., Anusuya N., Zarrouk A., Chitra S. "Thiazolothiadiazole derivatives as anti-corrosion additives for acid corrosion" *Chemical Data Collections* April 2020

31. Sundari S.S., Kumar B., Dhanasekaran R. Dielectric and conductivity properties of flux grown Ce doped NBT-BT single crystals *Physica B: Condensed Matter*, Volume 582. April 2020, 411978
32. Radha V.P., Chitra S., Jonekirubavathi S., Chung I.-M., Kim S.-H., Prabakaran M. Transition metal complexes of novel binuclear Schiff base derived from 3,3'-diaminobenzidine: synthesis, characterization, thermal behavior, DFT, antimicrobial and molecular docking studies *Journal of Coordination Chemistry*, 73(6), 2020, 1009-1027
33. Anuradha J., Gayathri N.S., Muthulakshmi Andal N. A study on the bioaccumulation and screening of toxic metal ions in effluents, fodder and milk samples collected from Erode, Tirupur, Coimbatore districts *Research Journal of Chemistry and Environment*, 88-93, 24(3), 2020
34. Krithika V., Vijaya M.S. Malware Detection Using Gist Features and Deep Neural Network 2020 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020, April 2020, Page No:800-805
35. Deepika R., Dr.P. Meena, Cu<sub>2</sub>FeSnS<sub>4</sub> nanoparticles: Potential photovoltaic absorption materials for solar cell application "Materials Research Express, March 2020, 7(3) DOI:10.1088/2053-1591/ab7c21
36. Pilliadugula R., Nithya C., Gopala Krishnan N. Influence of Ga<sub>2</sub>O<sub>3</sub>, CuGa<sub>2</sub>O<sub>4</sub> and Cu<sub>4</sub>O<sub>3</sub> phases on the sodium-ion storage behaviour of CuO and its gallium composites *Nanoscale Advances* 14 Feb 2020 <https://doi.org/10.1039/C9NA00773C>
37. Nithya A., Kavitha A. Node weight swallow swarm optimization convex node segmentation (Nws<sup>2</sup>cns) algorithm for distributed 3-d localization in wireless sensor networks (wsns) *International Journal of Scientific and Technology Research*, Volume 9, issue 2 - February 2020
38. Sathiyakumari K., Vijaya M.S. Association rule mining for clique percolation on community detection *International Journal of Advanced Science and Technology*, Volume:29, Issue:1, Page No:1492 - 1503, 2020
39. Indumathi K., Abiram A., Praveena G. "Effect of peptidic backbone on the nucleic acid dimeric strands" *Molecular Physics*, [doi.org/10.1080/00268976.2019.1584682](https://doi.org/10.1080/00268976.2019.1584682)
40. Gayathri T., Vijaya M.S. Malware Family Classification Model Using User Defined Features and Representation Learning *IFIP Advances in Information and Communication Technology*, November 2020, pp.185-195, DOI:10.1007/978-3-030-63467-4\_14
41. Grace A.A., Thillaiarasi S., Dharuman V. Binary Metal oxide Adsorbed Graphene Modified Glassy Carbon Electrode for Detection of Riboflavin Electroanalysis 17 November 2020 <https://doi.org/10.1002/elan.202060429>
42. Shanmugapriya T., Balavijayalakshmi J. Role of graphene oxide/yttrium oxide nanocomposites as a cathode material for natural dye-sensitized solar cell applications *Asia-Pacific Journal of Chemical Engineering* (2020), <https://doi.org/10.1002/apj.2598>
43. Kavitha K., Babitha T. An approach for job shop scheduling using petri nets *Advances in Mathematics: Scientific Journal* 2020, <https://doi.org/10.37418/amsj.9.11.104>
44. Lakshmi R., Santhakumari MHD flows due to non-coaxial rotations of porous disk and a viscous fluid at infinity: Graphical solutions using matlab *Advances in Mathematics: Scientific Journal* 2020 <https://doi.org/10.37418/amsj.9.11.33>
45. Neerajah A., Subramanian P. A study on zero-M cordial labeling *Advances in Mathematics: Scientific Journal* 9 (2020), no.11, 9207-9218 <https://doi.org/10.37418/amsj.9.11.26>
46. Krishnaveni K. Supra co bt Urysohn space in supra topological spaces *Advances in Mathematics: Scientific Journal* 2020 <https://doi.org/10.37418/amsj.9.11.25>
47. Sasikala D., Divya A.J. J-g-bicontinuous, j-g-bi-irresolute in complemented ditopological texture spaces *Advances in Mathematics: Scientific Journal* 2020 <https://doi.org/10.37418/amsj.9.10.105>
48. Shanmugapriya T., Balavijayalakshmi J. Efficiency Studies of Galinsoga Parviflora Pigments as a Sensitizer in Pt Free Graphene Oxide/Nickel Oxide Counter Electrode: Dye Sensitized Solar Cell Applications *Journal of Cluster Science* (2020), <https://doi.org/10.1007/s10876-020-01890-9>
49. Manjula R., Vijaya M.S. Deep neural network for evaluating web content credibility using keras sequential model *Lecture Notes in Electrical Engineering* In book: *Advances in Electrical and Computer Technologies*, Select Proceedings of ICAECT 2019, September 2020, pp.11-19,

50. Nandhini M., Vijaya M.S. Deep learning predictive model for detecting human influenza virus through biological sequences Lecture Notes in Electrical Engineering, In book: Advances in Electrical and Computer Technologies, Select Proceedings of ICAECT 2019, September 2020, pp.147-157
51. Divya A., Sasikala D. A topological approach in cordial graphs "Advances in Mathematics: Scientific Journal" May 2020 <http://dx.doi.org/10.37418/amsj.9.2.17>
52. Brindha T., Subiksha R. Bounds on split total domination number of graphs Advances in Mathematics: Scientific Journal 9 (2020), NO.3, PP:831-837
53. Sasikala D., Divya A. Approximation on cordial graphic topological space Advances in Mathematics: Scientific Journal
54. Aravindan S.J., Sasikala D., Divya A. Visualization of cordial graph in human excretion track Italian Journal of Pure and Applied Mathematics 2020
55. Palaniswamy R.V., Dhandapani M., Suyambulingam J., Subramanian C. Synthesis, characterization, thermal, theoretical and antimicrobial studies of Schiff base ligand and its Co(II) and Cu(II) complexes Journal of the Serbian Chemical Society, 85 (2), 215-225, 2020
56. Sasikala D., Deepa M. A note on connectedness in topological spaces Advances in Mathematics: Scientific Journal 2020 <https://doi.org/10.37418/amsj.9.6.47>
57. Sakthikala R., Lavanya V. Mhd oscillatory flow of non-newtonian fluid through porous medium in the presence of radiation and chemical diffusion with hall effects International Journal on Emerging Technologies Apr 2020
58. Neerajah A., Monica M. Root quad mean labeling for some special graphs Advances in Mathematics: Scientific Journal 9 (2020), no.2, 659-665 <https://doi.org/10.37418/amsj.9.2.15>
59. Laxmi Sree B.R., Vijaya M.S. Building acoustic model for phoneme recognition using PSO-DBN International Journal of Business Intelligence and Data Mining, Vol.16, No.4, 1743-8195 1743-8187, January 2020
60. Viji Gripsy J., Kanchana K.R. Secure hybrid routing to thwart sequential attacks in mobile AD-HOC networks Journal of Advanced Research in Dynamical and Control Systems Volume 12, Issue 4, Pages : 451 - 459, 2020
61. Gomathi S., Ragavi R.P., Monika S. Implementation of Statistical Data Analytics in Data Science Life Cycle Lecture Notes in Networks and Systems May 2020
62. Nithya N., Kiruthika R. "Factors determining the service quality of e-ticketing process in Indian context - An empirical study" International Journal on Emerging Technologies March 2020
63. Sasikala D., Divya A.J. "Strong forms of generalised j-closed sets in ditopological texture spaces Journal of Advanced Research in Dynamical and Control Systems <https://www.jardcs.org/abstract.php?id=3671>
64. Sasikala D., Radhamani K.C., Shalini R. A recent work on nano j-closed sets in nano topological spaces Journal of Advanced Research in Dynamical and Control Systems 2020
65. Manjula R., Vijaya M.S. Measuring web content credibility using predictive models Lecture Notes in Networks and Systems, In book: Inventive Communication and Computational Technologies (pp.839-847), DOI:10.1007/978-981-15-0146-3\_80, January 2020,
66. ShanmugaSundari S., Dhanasekaran R. Influence of transition metal ions on multiferroic properties of lead-free NBT-BT ceramics Journal of Advanced Dielectrics, Vol. 9, No. 6 (2019) 1950045
67. Viji Gripsy J., Kiruthika J. Survey on location aided routing protocols with security features for MASNET International Journal of Scientific and Technology Research Volume 9, Issue 2, Pages : 4135 - 4139, 2020
68. G. Arthi, Stability analysis of single neuron system with levy noise, International Journal of Scientific and Technology Research, Volume 9, Issue 1, Pages : 4065 - 4068, 2020.
69. Pream Sudha V., Vijaya M.S. Gated recurrent neural network for autism spectrum disorder gene prediction, International Journal on Emerging Technologies 11(1): 136-141(2020), ISSN No. (Print): 0975-8364 ISSN No. (Online): 2249-3255, 2020
70. Sathiyakumari K., Vijaya M.S. Overlapping community structure detection using twitter data International Journal on Emerging Technologies 11(1): 101-107(2020), ISSN No. (Print): 0975-8364 ISSN No. (Online): 2249-3255, PP-101-107, 2020



71. Chandran S., Ponnusamy T., Bheeman D., Rajamani R.K., Bellan C.S. Dextran sulfate stabilized silver nanoparticle: Next generation efficient therapy for cancer "International Journal of Applied Pharmaceutics, Vol 12, Issue 1(Jan-Feb), 2020
72. Ramkumar S., Nalini D., Quraishi M.A., Ebenso E.E., Verma C. "Anti-corrosive property of bioinspired environmental benign imidazole and isoxazoline heterocyclics: A cumulative studies of experimental and DFT methods" Journal of Heterocyclic Chemistry Vol. 57, pp. 103-119, 2020
73. N.Deepa, DeviAruna Energetic Routing Technique Based Kernel Fuzzy Latency Particle Swarm Optimization Algorithm in Wireless Sensor Network International Journal of Recent Technology and Engineering, March 2020
74. Gokilavani, R. and H. Rehana banu Biological Properties of Lichens - A Review Plant Archives Volume 20, Issue 2, year 2020
75. Srilakshmi N , Dr.N.Radha Deep positional attention-based Bidirectional RNN with 3D Convolutional Video Descriptors for Human Action Recognition" IOP Conference Series: Materials Science and Engineering, VOL: 1022, 2020
76. Kavitha.G and Vinitha. A Customer Satisfaction - A Comparative Study Among New and Old generation private banks Journal of University of Shanghai for Science and Technology Oct 2020
77. Mrs.V.Deepa & Dr.N.Radha A Survey on Network Intrusion System Attacks Classification Using Machine Learning Techniques IOP Conference Series: Materials Science and Engineering, Volume 1022,2020.
78. Dr.K.Nithya Kala, Dr.K.Vidya Kala & S.Jamuna A Study on The Impact of Green Banking Practices on Bank's Environmental Performance With Special Reference To Coimbatore African Journal of Business and Economic Research, Volume 15, Issue. 3, NO. 9, 2020, Pp. 1-6, ISSN: 1750-4554
79. Saranya, J.; Benhiba, F.; Anusuya, N.; Subbiah, Ram; Zarrouk, A.; Chitra, S. Experimental and computational approaches on the pyran derivatives for acid corrosion Colloids and Surfaces A-Physicochemical and Engineering Aspects Volume 603, 20 October 2020, <https://doi.org/10.1016/j.colsurfa.2020.125231>
80. Radha, Venkitapuram Palaniswamy; Chitra, Subramanian; John Kirubavathi, Suyambulingam; Chung, Ill-Min; Kim, Seung-Hyun; Prabakaran, Mayakrishnan Transition metal complexes of novel binuclear Schiff base derived from 3,3'-diaminobenzidine: synthesis, characterization, thermal behavior, DFT, antimicrobial and molecular docking studies Journal of Coordination Chemistry, 73(6), 2020, 1009-1027
81. Tamilarasi, P.; Meena, P. "Green synthesis of silver nanoparticles (Ag NPs) using Gomphrena globosa (Globe amaranth) leaf extract and their characterization" "Materials Today: Proceedings, DOI:10.1016/j.matpr. 2020.04.025
82. Nithya, Chandrasekaran; Thiyagaraj, Gowtham Morphology oriented CuS nanostructures: superior K-ion storage using surface enhanced pseudo capacitive effects Sustainable Energy and Fuels Apr 2020 <https://doi.org/10.1039/D0SE00469C>
83. Manoj, Murugesan; Mangalaraj, Devanesan; Meena, Palaniappan; Yuan, Aihua Facile development and structural investigations of HAp and HAp/Ta nanostructures: Photocatalytic activity against Turq blue GL dye Materials Research Express, Volume 7, No.1, 015012
84. Goswami, Manoj; Nithya, Chandrasekaran; Sathish, N.; Kumar, Satendra; Singh, Netrapal; Srivastava, A. K.; Kumar, Surender Electrochemical studies on crystalline CuS as an electrode material for non-aqueous Na-ion capacitors New Journal of Chemistry Mar 2021, 44, 5278-5284; DOI: 10.1039/C9NJ06465F.
85. Saranya, Jagadeesan; JoneKirubavathy, Suyambulingam; Chitra, Subramanian; Zarrouk, Abdelkader; Kalpana, Kulkarni; Lavanya, Kandikonda; Ravikiran, Bhamidipati Tetradentate Schiff Base Complexes of Transition Metals for Antimicrobial Activity Arabian Journal for Science and Engineering, 6, 2020, <https://doi.org/10.1007/s13369-020-04416-7>
86. Palaniswamy, Radha Venkittapuram; Dhandapani, Mahalakshmi; Suyambulingam, Jonekirubavathy; Subramanian, Chitra Synthesis, characterization, thermal, theoretical and antimicrobial studies of Schiff base ligand and its Co(II) and Cu(II) complexes Journal of the Serbian Chemical Society, Journal of the Serbian Chemical Society, 85 (2), 215-225, 2020
87. Kavita, S.; Ramakrishna, V. V.; Behara, Shruthi; Suganthi, S.; Kar, Debendra Nath; Thomas, Tiju; Ramesh, T.; Sethupathi, K.; Gopalan, R. Investigation of magnetocaloric and mechanical properties of Ni<sub>49</sub>-xMn<sub>39</sub>Sb<sub>12</sub>Cox alloys Journal of Alloys and Compounds Dec 2020 <https://doi.org/10.1016/j.jallcom.2020.156558>
88. Kaveri, N; Balavijayalakshmi, J Impact of molybdenum on structural and morphological properties of manganese ferrite nanoparticles by hydrothermal method Materials Today Proceedings (2020), DOI: 10.1016/j.matpr.2020.06.442

89. Murugesan, Manoj; Krishnamurthy, Venkatesan; Hebalkar, Neha; Devanesan, Mangalaraj; Nagamony, Ponpandian; Palaniappan, Meena; Krishnaswamy, Swaminathan; Yuan, Aihua Nano-hydroxyapatite (HAp) and hydroxyapatite/platinum (HAp/Pt) core shell nanorods: Development, structural study, and their catalytic activity *Canadian Journal of Chemical Engineering*, 99(1),DOI: 10.1002/cjce.23840
90. Krithika, S ; Balavijayalakshmi, J. "Synthesis and fabrication of nanostructured MoS<sub>2</sub>/PANI nanocomposites by microwave assisted method for electrochemical applications *Materials Today Proceedings* (2021) 10.1016/j.matpr.2021.01.013
91. Kayalvizhi.E.; Rajan, Mekha Susan; Pazhanisamy, P. "BSA adsorption, anthelmintic activity and swelling behavior of poly (N-cyclohexyl acrylamide-co-AMPS IL)hydrogel *Journal of Molecular Liquids*, Volume 314, 15 September 2020, 113692
92. V. Nithya Priya, M. Rajkumar, G. Magesh, J. Mobika, S.P LintoSibi, "Chitosan assisted Fe-Al double layered hydroxide/reduced graphene oxide composites for As (V) removal" *Material Chemistry and Physics*, Volume 251, 1 September 2020, 123108
93. Subramani, Ramesh; Izquierdo- Alvarez, Alicia; Bhattacharya, Pinaki; Meerts, Mathieu; Moldenaers, Paula; Ramon, Herman; Van Oosterwyck, Hans The Influence of Swelling on Elastic Properties of Polyacrylamide Hydrogels *Frontiers in Materials* 7:212.2020 Impact factor: 2.75
94. Kirubavathy, SuyambulingamJone; Chitra, Subramanian Synthesis, Characterization, Biological and Photo luminescence Study of Co(II) Complexes of Fused Heterocyclic Ring Systems "Indian Journal of Pharmaceutical Education and Research, Vol 54, Issue 3. Jul-Sep,2020"
95. "Suyambulingam, Jone Kirubavathy; Karvembu, Ramasamy; Bhuvanesh, Nattamai S. P.; Enoch, Israel V. Muthu Vijayan; Selvakumar, PaulrajMosae; Premnath, Dhanaraj; Subramanian, Chitra; Mayakrishnan, Prabakaran; Kim, Seung-Hyun; Chung, Ill-Min" Synthesis, structure, biological/chemosensor evaluation and molecular docking studies of aminobenzothiazole Schiff bases "Journal of Adhesion Science and Technology, <https://doi.org/10.1080/01694243.2020.1775032>, 34(23), 2020, 2590-2612
96. Devi, Gowraraju Nirmala; Unnisa, Chan Basha Nusrath; Roopan, Selvaraj Mohana; Hemapriya, Venkatesan; Chitra, Subramanian; Chung, Ill-Min; Kim, Seung-Hyun; Prabakaran, Mayakrishnan" Floxacins:as Mediators in Enhancing the Corrosion Inhibition Efficiency of Natural Polymer Dextrin *Macromolecular Research* 28, (2020)
97. Anitha, Rajan; Unnisa, Chan Basha Nusrath; Hemapriya, Venkatesan; Roopan, Selvaraj Mohana; Chitra, Subramanian; Chung, Ill-Min; Kim, Seung-Hyun; Mayakrishnan, Prabakaran" Anti-corrosive potential of *Cyperus rotundus* as a viable corrosion inhibitor for mild steel in sulphuric acid *Pigment & Resin Technology* 49(4),2020
98. Sundari, S. Shanmuga; Kanchana, P.; Arunadevi, N.; Shobana, C. Growth, structural, dielectric and optical characteristics of glycine phosphite single crystals "Materials Today: Proceedings, Volume 33, Part 5, 2020, Pages 2203-2208
99. Arunadevi, N.; Kanchana, P.; Mehala, M.; Sundari, S. Shanmuga Optical and biological characteristics of novel organic single crystal 4-chloro N-methyl 4-stilbazoliumtosylate "Materials Today: Proceedings,Volume 33, Part 5, 2020, Pages 2244-2250
100. Umamageswari, N.; Lavanya, M.; Udhayakumar, M.; Rajesh, K. B.; Zaroszewicz, Z. Tight focusing properties of phase modulated azimuthally polarized doughnut Gaussian vortex beam by high NA parabolic mirror "Materials Today: Proceedings,Volume 26, Part 4, 2020, Pages 3539-3543
101. Dr. M. Nithyasri & Dr. M. Anbukarasi A Synthesis Research on the Determinants of Recycling Perception of Households on E-Waste *Strad Research Journal*
102. T.Indumathi, C. Teivarasu, E. R. Kumar, G. Magesh, "Effects of Nd doping on structural, optical, morphological and surface chemical state analysis of ZnO nanoparticles for antimicrobial and anticancer activities" *Surfaces and Interfaces*,Volume 23, April 2021, 101000
103. B. Ranjithkumar, H.B. Ramalingam, E. Ranjith Kumar, Ch. Srinivas, G. Magesh, C. Sharmila Rahale, Nashwa M. El-Metwaly, B. Chandar Shekar."Natural fuels (Honey and Cow urine) assisted combustion synthesis of zinc oxide nanoparticles for antimicrobial activities" *Ceramics International*,Volume 47, Issue 10, Part A, 15 May 2021, Pages 14475-14481
104. K.Vidya Kala, Raji Jennet, K.Nithya Kala Impact of Socio-Psychological Barriers on Strategies Employed by Women Leaders in Information Technology Sector in India *Journal of Contemporary Issues in Business & Government*, Vol.27, Iss.2, February 2021, Pp.2468-2477,ISSN: 2204-1990
105. Chithra Devi.B.S and Servin P. Wesley Molecular docking studies of bioactive compounds from *Abutilon hirtum* (Lam). Sweet (Malvaceae).11 (2),84-92 *Advances in Applied Research* 11 (2),84-92 (2020)

106. Rehanabanu H and Gayathri S. and Krishnaveni C Phytochemical analysis, larvicidal and mosquito repellent activities of selected plants of Nyctaginaceae. "Advances in Applied Research 11 (2),109-118 (2020)
107. Kanchana.M and Sujithra.V, FTTR analysis of auxin producing Bacteria from Rhizospheric soil of orchid.Plant Archives 20 (2) 4943-4946 (2020)
108. "Malathi K., Krishnaveni C., Sasikumar J.M., Akilashree J and Sahithya S Phytochemical screening and GC-MS analysis of Bioactive compounds present in ethanolic leaves extract of an endemic plant Chionanthus mala-elengi (Dennst.) P.S. Green. Plant Archives 20 (2),4193-4200 (2020)
109. Sathiyadash K., Jabeen JA, Ezhilarasi KS and Uma E Diversity of arbuscular mycorrhizal fungi in shola forests of Kodaikanal, Southern India. International Journal of Life science and Pharma Research, 10 (4), 109-116 (2020)"
110. Mathiyazhagan N, Murugan J.M., Gajendran K, Sabariswaran K, Nasif O and Manikandan R The biotransformation potential of *Bacillus cereus* on - cypermethrin to protect the earthworm (*Perionyx excavatus*) on insecticide-contaminated soil. <https://doi.org/10.1080/03650340.2020.1864339> (2020)
111. Sahithya S and Krishnavni C. Potential utilization of a weed *Prosopis Julifera* Leaf extract Nanoparticle for Dye Degradation and antibacterial activity. In: Bioremediation and Green Technologies - Sustainable Approaches to Mitigate Environmental Impacts. Springer (Scopus indexed) (2021)
112. Nithya V and Kamalam M. "Standardization of a protocol for micropropagation of *Eupatorium glandulosum* L. an important medicinal plant" Plant Cell, Tissue and Organ Culture (2021)
113. Gajalakshmi. K and Dhivya. K. "Characterization of Potential Plant Growth Promoting Rhizobacteria Isolated from Rhizospheric soil of Banana (*Musa paradisiaca* L.)". Research Journal of Biotechnology (2021)
114. Gajalakshmi. K and Dhivya. K. "Comparative assessment of physico chemical and mechanical properties of alkali and fungal treated *Musa paradisiaca* L. fibre Plant Archives 21(1):1379-1384 (2021)
115. Chithra Devi B.S, Sangilimuthu A and V. Daanya. 2021 "Slow-growth conservation- cryopreservation and Analysis of genetic stability of in vitro regenerated *Coelogyne nervosa* A. Rich A endemic orchid. International Journal of Research in Pharmaceutical Sciences 12(2), 1695-1698. <https://doi.org/10.26452/ijrps.v12i2.4222>
116. Sharone gladies E. and Chithra Devi B. S. Bioactivity of endemic orchids of Western Ghats; *Pholidota pallida* Lindl and *Arundina graminifolia* (D. Don) Hochr. Plant Archives 21(1):1214-1220 (2021)
117. Sharone gladies E. and Chithra Devi B. S. In vitro regeneration of *Arundina graminifolia* (D. Don) Hochr Plant Archives 21(1):1851-1855 (2021)





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