



# Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

Approved by Government of Tamil Nadu & Accredited by NAAC with 'A++' Grade (3rd Cycle - 3.64 CGPA)

Dr. N.G.P.-Kalapatti Road, Coimbatore-641 048, Tamil Nadu, India.

Website: [www.drngpasc.ac.in](http://www.drngpasc.ac.in) | Email: [info@drngpasc.ac.in](mailto:info@drngpasc.ac.in). | Phone: +91-422-2369100

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## SYNERGY

# Newsletter

JUNE 2022 - MAY 2023

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## Faculty of Basics and Applied Sciences

- Department of Physics
- Department of Medical Physics
- Department of Chemistry
- Department of Mathematics
- Department of Catering Science and Hotel Management
- Department of Costume Design and Fashion



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## DEPARTMENT OF PHYSICS

### GUEST LECTURES



Dr. N. Muthukumarasamy, Professor & Head, Department of Physics, Coimbatore Institute of Technology, Coimbatore delivered a lecture on “Insights on different physics inventions from Rutherford’s era” on 27.08.2022



Prof. Dr. D. Khanna, Assistant Professor, Department of Applied Physics, Karunya Institute of Technology and Sciences, Coimbatore shared his knowledge on “Seeing far into Space: Telescopes and the opportunities unlimited” on 11.02.2023



Mr. Mohanraj Senniappan, Researcher and Teaching Assistant in Physics, Department of Physics, Linnaeus University, Sweden delivered a lecture on “Cosmic Conservations: Insights from an Astrophysicist” on 03.03.2023

### WORKSHOP

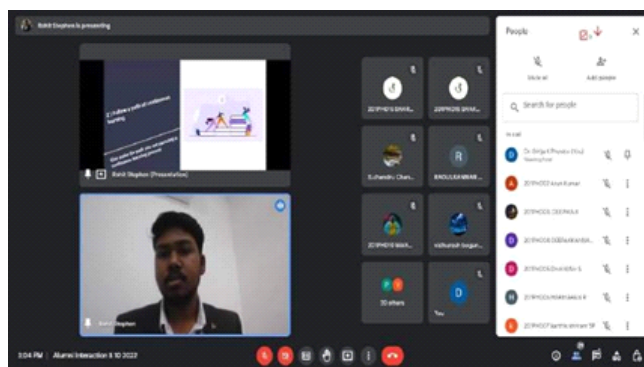


Dr. M. Ulaganathan, Associate Professor, School of Physical Sciences, Amrita Vishwa Vidyapeetham, delivered a talk on “Understanding of Electrochemical Energy Storage Devices: Super capacitor, Li-ion Battery, and Redox Flow Battery” on 24.01.2023

### ALUMNI INTERACTION



Ms.V.Shivani, (1997-2000 Batch) interacted with students on the topic “Growing Trends in Nanotechnology” on 24.09.2022



Mr. Rohit Stephen (1997-2000 Batch) delivered a lecture entitled “Staying in your Prime” through Google Meet on 8.10.2022



Mr. M. Vigneshwar (1997-2000 Batch) shared his expertise with students on the topic “Jack of All Trades, Master of None” on 7.01.2023



Mr. Roshan Johns (1997-2000 Batch) interacted with students on the topic “Advanced Materials and Technology for Sensing Applications” on 11.02.2023

## EXTENSION ACTIVITY



III B.Sc. Physics students actively participated in an Extension Activity-Awareness Programme on “Biodiversity and Environmental conservation” at Nellithurai Village on 5.11.2022

## FACULTY PROFESSIONAL DEVELOPMENT PROGRAMME



Dr. M.R. Venkatraman, Assistant Professor of Physics, Dr.N.G.P Arts and Science College, Coimbatore gave a talk titled “Bio inspired graphitic carbon- based large area perovskite solar cells: Stability assessments under indoor, outdoor and water- soaked condition” on 26.08.2022



Dr.S.S.Kanmani, Assistant Professor of Physics, Dr.N.G.P Arts and Science College, Coimbatore delivered a lecture on the topic “Comparison of Eosin yellowish dye-sensitized and CdS-sensitized TiO<sub>2</sub> nanomaterial-based solid-state solar cells” on 30.09.2022



Dr. K.Girija, Assistant Professor of Physics, Dr.N.G.P Arts and Science College, Coimbatore shared her expertise on the topic “Photocatalytic degradation of organic pollutants by shape selective synthesis of beta Ga<sub>2</sub>O<sub>3</sub> microspheres for environmental remediation” on 29.10.2022



Dr. M.R. Anathan, Assistant Professor of Physics, Dr.N.G.P Arts and Science College, Coimbatore addressed on the topic “The basics and evolution of solar cells” on 7.01.2023



Dr. R. Karunathan, Assistant Professor of Physics, Dr.N.G.P. Arts and Science College, Coimbatore delivered a lecture on the topic "Quantum computing" on 10.02.2023



Dr. S. Gunasekaran, Assistant Professor of Physics, Dr.N.G.P. Arts and Science College, Coimbatore shared his knowhow on the topic "Core/Shell nanostructure and its applications" on 25.03.2023

## STUDENT DEVELOPMENT PROGRAMME



Mr.K.Vinu Varshith, II M.Sc. Physics delivered a lecture on the topic "Introduction to Robotics" on 28.01.2023



Mr. K. Jawahar Raja, II M.Sc. Physics delivered a lecture on the topic "Field of Cosmology" on 25.02.2023



Ms.S.Cathrin and Ms.G. Sharmila, III B.Sc. Physics delivered a lecture on the topic "The basics and evolution of Internet of things" on 28.03.2023

## INTER SCHOOL/INTER COLLEGIATE COMPETITIONS

- Department of Physics along with PANORAMA Association conducted an Inter School/Inter Collegiate poster presentation Competition through Online mode on the topic "Light up a Life - Donate Eyes" on 30.08.2022
- Department of Physics along with PANORAMA Association conducted an Inter School/Inter Collegiate Essay Writing Competition through Online mode on the topic "Earth's Fragile Shield – Ozone" on 10.09.2022

## STAR PARTY 2023

The Kovai Astro Club in association with Department of Physics, Dr. N.G.P. Arts and Science College, Coimbatore organized the Star party event and Ms.K.Senthamani, Kovai Astro Club delivered her insights on the solar system and the importance of Sky party event on 7.1.2023



Ms. K. Senthamani, Member, Kovai Astro Club, delivered a lecture on the topic "Solar system and the importance of Sky party" on 7.01.2023

## LABORATORY VISIT



The students of Government higher secondary School, Kalapatti visited Physics Laboratory on 7.01.2023

## SCHOOL VISIT



Dr. R.Karunathan, Assistant Professor of Physics, Dr.N.G.P Arts and Science College, Coimbatore visited Government Higher Secondary School, Kalapatti on 04 .02.2023

## NATIONAL SCIENCE DAY CELEBRATION



Dr. M.R. Anathan, Assistant Professor of Physics, Dr.N.G.P Arts and Science College, Coimbatore visited Government Girls and Boys Higher Secondary School, Chinna Thadagam to celebrate National Science Day on 28.02.2023

## SPECTRA'23



As a part of SPECTRA '23, Schools Extravaganza was held on 17.02.2023

## INDUSTRIAL VISIT



Industrial visit to Radio Astronomy Centre and Cosmic Ray Laboratory, Ooty on 24.03. 2023

## STAFF ACHIEVEMENT

Dr. K. Girija, Assistant Professor of Physics, Dr.N.G.P Arts and Science College, Coimbatore received a project grant from TNSCST – Student Project Scheme during the AY 2022-2023

## STUDENTS ACHIEVEMENTS

- Mr. M. Sakthivel, II M.Sc. Physics Qualified GATE 2023
- Mr. P. Jawahar Raja, II M.Sc. Physics secured a fellowship from Indian Institute of Astrophysics-Visiting Student Research Project and achieved Best Researcher Award in Solar Astrophysics, Inter University Centre for Astronomy & Astrophysics during the AY 2022-2023
- Mr. C. Vinu Varshith, Mr.P.Jawahar Raja, and Mr.V.Vignesh, II M.Sc. Physics were awarded with TNSCST – Student Project Scheme with an amount of Rs.7500/- during the AY 2022-2023
- Ms. K. Sneha, II M.Sc. Physics achieved Best Oral Presentation award at Sri Ramakrishna College of Arts & Science in Vigan-2023
- Ms. P.K.Miya Lakshmi, I M.Sc. Physics Qualified K-TET during the AY 2022-2023

## PAPER PUBLICATIONS

- Dr. M.R. Venkatraman, Assistant Professor of Physics published a research paper “Rubik’s cube shaped organic template free hydrothermal synthesis and characterization of zeolite NaA for CO<sub>2</sub> adsorption” in Journal of Fuel, ISSN: 0016-2361, June 2022
- Dr. M.R. Venkatraman, Assistant Professor of Physics published a research paper “TiO<sub>2</sub>/AgO composites by one step photo reduction technique as electron transport layers (ETL) for dye-sensitized solar cells” in Journal of Chemosphere, ISSN: 0045-6535, October 2022

- Dr. M.R. Venkatraman, Assistant Professor of Physics published a research paper “Comparison of three different structures of zeolites prepared by template-free hydrothermal method and its CO<sub>2</sub> adsorption properties” in Journal of Environmental Research, ISSN: 0013-9351, November 2022
- Dr. Deepannita Chakraborty, Assistant Professor of Physics published a research paper “Structural, optical, and magnetic properties of Sn-doped ZnS thin films: role of post-annealing” in Journal of the Australian Ceramic Society, ISSN: 2510-1579, July 2022
- Dr. K Girija, Assistant Professor of Physics published a research paper “Tailored construction of Ag/WO<sub>3</sub> nano spindles modified SERS substrates: An efficient analytical assay for identification of neonicotinoids on the surface of fruits” in Journal of Optical Materials, ISSN: 0925-3467, August 2022
- Dr. V. Gopala Krishnan, Assistant Professor of Physics published a research paper “Enhancement of Magnetic and Dielectric Performance of BaFe<sub>2</sub>O<sub>4</sub> nanoparticles influenced by tri-sodium citrate as surfactant” in Journal of Materials Science: Materials in Electronics, ISSN: 0957-4522, September 2022
- Dr. R.Dilip, Assistant Professor of Physics published a research paper “Enhancement of Magnetic and Dielectric Performance of BaFe<sub>2</sub>O<sub>4</sub> nanoparticles influenced by tri-sodium citrate as surfactant” in Journal of Journal of Materials Science: Materials in Electronics, ISSN: 0957-4522, September 2022
- Dr. R.Dilip, Assistant Professor of Physics published a research paper “Various modes of phase changeing materials (PCM) enrich the still outcomes productivity of distilled water” in International Journal of Energy Research, ISSN: 1099-114x, August 2022
- Dr. M.R. Venkatraman, Assistant Professor of Physics published a research paper “Perovskite solar cells: investigation of structural, optical and device performance analysis of Al–Sn co-doped ZnO electron transport layer” in Journal of Materials Science: Materials in Electronics, ISSN: 1573-482X, January 2023
- Dr. M.R. Venkatraman, Assistant Professor of Physics published a research paper “Investigation on rod like SnO<sub>2</sub>@CdCO<sub>3</sub> nanocomposite-based electron transport layer for CsPbBr<sub>3</sub> heterojunction perovskite solar cell applications” in Materials Letters, ISSN: 0167-577X, January 2023
- Dr. M.R. Venkatraman, Assistant Professor of Physics published a research paper “PbS Quantum Dot Sensitized ZnO Nanorods for Third Generation Solar Cells” in Materials Today Chemistry, ISSN: 2468-5194, January 2023

## PATENTS

- Dr. V. Gopala Krishnan published a patent on 30-12-2022
- Dr. K.Girija published a patent on 30-12-2022
- Dr. K.Girija published a patent on 28-10-2022

## BOOK / CHAPTER PUBLICATIONS

- Dr.Deepannita Chakraborty, Assistant Professor of Physics published a book chapter entitled “Impact of Oxidation Number on the Structural and Optical Properties of Sn Doped ZnO Nanoparticles”, Paramount Publishing house, ISBN Number – 9789390631896, November 2022
- Dr.Deepannita Chakraborty, Assistant Professor of Physics published a book chapter entitled “Effect of Annealing on structural and optical properties of Mn:ITO Thin Film”, Paramount Publishing house, ISBN Number–9789390631896, November 2022
- Dr. K. Girija, Assistant Professor of Physics published a book chapter entitled “Construction and analysis of Semi organic crystal for NLO Applications”, LAP Lambert Academic Publishing House, ISBN Number–978-620-4-98509-1, November 2022
- Dr. K. Girija, Assistant Professor of Physics published a book chapter entitled “Deposition and analysis of CdSe and CdInSe Thin Films”, LAP Lambert Academic Publishing House, ISBN Number - 978-620-4-98509-1, January 2022
- Ms.R.Revathi, Assistant Professor of Physics published a book chapter entitled “Synthesis and characterization of BaTiO<sub>3</sub>” in coordination with the Coimbatore Institute of Information Technology, ISBN Number - 978-93-91347-54-3, December 2022
- Ms.R.Revathi, Assistant Professor of Physics published a book chapter entitled “Synthesis of PS/TiO<sub>2</sub> Thin films”, Coimbatore Institute of Information Technology, ISBN Number - 978-93-91347-54-3, May 2023
- Ms.R.Revathi, Assistant Professor of Physics published a book chapter entitled “Synthesis and characterization of PS/ SrMnO<sub>3</sub> thin films” Coimbatore Institute of Information Technology, ISBN Number - 978-93-91347-54-3, January 2023
- Dr. M.R. Venkatraman, Assistant Professor of Physics published a book chapter entitled “Recent Progress of Carbonaceous Materials in Third Generation Solar Cells:DSSCs”, Springer Nature Ltd, ISBN Number - 978-981-19-7187-7, May 2023

## DEPARTMENT OF MEDICAL PHYSICS

### GUEST LECTURES



Guest Lecture  
Brachytherapy TG-43 Formalism  
17.10.2022 14:28  
11.06085, 77.0346 (±11m)  
Altitude: 334m

Mr. Giridharan, Chief Medical Physicist cum RSO, Clear Medi Radiant Hospital, Mysore, Karnataka, delivered a lecture through google meet on the topic "TG-43 formalism for Brachytherapy" on 17.10.2022



Guest Lecture  
Dr N.G.P. Arts and Science College  
11.01.2023 11:11  
11.06084, 77.0347 (±21m)  
Altitude: 334m

Dr. A. Saravana Kumar, Head - Medical Physics, PSG Institute of Medical Sciences & Research, Coimbatore, delivered a lecture on "Advanced Medical Imaging Techniques" on 11.01.2023

### SEMINAR



Mr. K. M. Midhun Kumar, Medical Physicist and Application Specialist, Scan-O-Plan systems, India, gave a lecture in a seminar entitled "Basic Quality Assurance Requirements in Teletherapy and Updates" on 25.01.2023

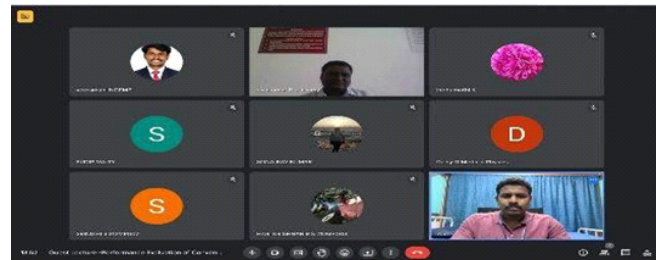


Mr. A. Selvaganapathy, Medical Physicist, Health City Hospital, Grand Cayman, Cayman Islands, interacted with students on the topic "Advances in Medical Physics" on 27.01.2023

### INTERNATIONAL WEBINAR



Dr. Raghvendra A. Bohra, Science Foundation Ireland (SFI), Post Doctoral Fellow, National University of Ireland, Galway delivered a Webinar through google meet on the topic "Hyperthermia in Targeted Cancer Therapies" on 25.02.2023



Dr. C. Senthamil Selvan, Lecturer cum Radiological Safety Officer (RSO), Department of Radio-Diagnosis, Mahatma Gandhi Medical College and Research Institute, Sri Balaji Vidyapeeth (Deemed University), Puducherry delivered a lecture on "Performance Evaluation of Conventional and Digital Radiography Equipments" through Google Meet on 31.03.2023

### Dr. HOMI J BHABHA ENDOWMENT LECTURE



Dr. S. Murali, Scientific officer (H), Head-EPRS, Radiations Safety Systems Division, Bhabha Atomic Research Centre, Mumbai delivered a lecture on the topic “Radiation Detectors and Emergency Preparedness” on 12.03.2023

## NATIONAL CONFERENCE



Department of Medical Physics jointly organized a One-day National Conference on Emerging Trends in Physical Sciences and Mathematics (ETPSM'2023), at Dr. N.G.P. Arts and Science College on 12.04.2023

## FACULTY DEVELOPMENT PROGRAMME



Radiotherapy Centre, KMCH  
Treatment Planning System Room  
19.06.2022 12:52  
11.03617, 77.03756 (±1100m)  
Altitude: 0m

Department of Medical Physics organized a Faculty Development Programme on “Advanced Radiotherapy Techniques”, Department of Radiation Oncology, Kovai Medical center and Hospital, Coimbatore on 19.06.2022



Nuclear Medicine, KMCH  
SPECT Room  
22.06.2022 10:18  
11.04377, 77.04607 (±1152m)  
Altitude: 0m

Department of Medical Physics organized a Faculty Development Programme on “Advanced Nuclear Medicine Techniques” at the Department of Nuclear Medicine, Kovai Medical center and Hospital, Coimbatore on 22.06.2022



Radiation Oncology, KMCH  
Treatment Planning System Room  
24.06.2022 11:03  
11.04231, 77.04095 (±14m)  
Altitude: 304m

Department of Medical Physics organized a Faculty Development Programme on “Advanced Radiotherapy Planning Techniques” at the Department of Radiation Oncology, Kovai Medical Center and Hospital, Coimbatore on 24.06.2022

## OUTREACH PROGRAMME



Department of Medical Physics  
Extension Activity - Velliangadu  
11.02.2023

II M.Sc. Medical Physics students actively participated in a Joint Outreach Programme on “Awareness on Renewable Energy” at Velliangadu Village, Coimbatore on 11.02.2023

## ALUMNI INTERACTION



Alumni Interaction Programme  
Medical Physics - Venue B1-1516  
26.09.2022 14:00  
11.06082, 77.03463 (±35m)  
Altitude: 393m

Mr. S. Sankar, Medical Physicist, VPS Lakeshore Hospital, interacted with students on the topic “Clinical Radiotherapy Practice” on 26.09.2022

## EXTENSION ACTIVITY



Department of Medical Physics  
Extension Activity - Sarkar Samakulam  
29.10.2022 11:04  
11.13489, 77.03436  
Koviljallayam

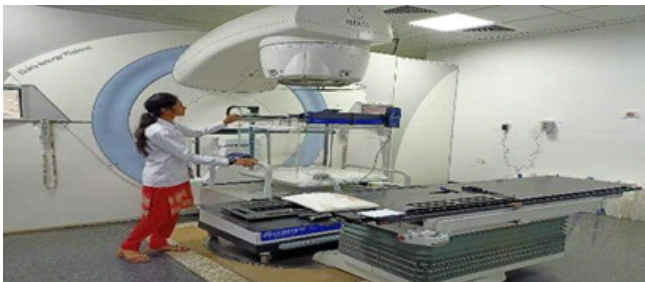
II M.Sc. Medical Physics students actively participated in a Joint Outreach Programme on “Health, Hygiene & Sanitation”, Sarkar Samakulam Village, Coimbatore on 29.10.2022

## CO-CURRICULAR ACTIVITIES



## CLINICAL POSTINGS

II M.Sc. Medical Physics students got posted in the Department of Radiation Oncology, Nuclear Medicine and Radiology at Kovai Medical Centre and Hospital, Coimbatore



## SUMMER TRAINING

II M.Sc. Medical Physics Students underwent one-month summer programme at various renowned cancer hospitals in India



## ACADEMIC PROJECT

II M.Sc. Medical Physics Students have taken up a 45-day academic project at Dosimetry company, Chennai



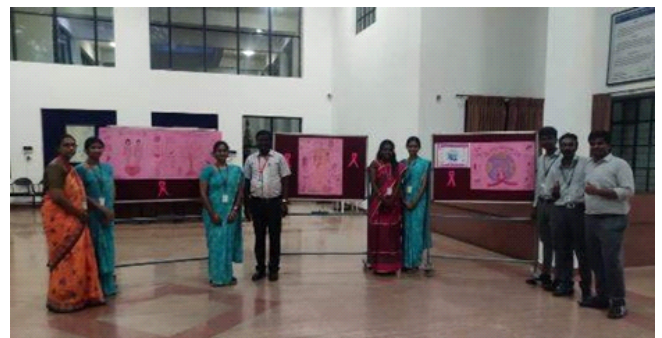
## ANNUAL CONFERENCE

I M.Sc. Medical Physics Students took part in 43rd Annual Conference of Association of Medical Physicists, New Delhi on 24.11.2022



## HOSPITAL VISIT

I M.Sc. Medical Physics students went for a hospital visit to the Department of Radiation oncology, at Coimbatore Medical College and Hospital on 28.01.2023



## EXTRA-CURRICULAR ACTIVITIES



Cancer Awareness program was conducted under the title, “World Cancer Day” on 04.02.2023



Childhood Cancer Awareness program was conducted on the topic "International Childhood Cancer Day" on 15.02.2023

National Science Day was celebrated at Government Higher Secondary School, Malumichampatti, Coimbatore on 28.02.2023

## ACHIEVEMENTS AND RECOGNITIONS



## STUDENTS

Mr. P. Santhosh Kumar, II M.Sc. Medical Physics won 2nd Prize (Certificate with Rs. 3000 cash Prize) in Inter Collegiate Quiz



Competition, in the 43rd Annual Conference of Association of Medical Physicists, New Delhi on 07.11.2022

Mr. P. Santhosh Kumar, II M.Sc. Medical Physics won 2nd Prize (Certificate with Rs. 3000 cash Prize) in Inter Collegiate Quiz Competition, in the 43rd Annual Conference of Association of Medical Physicists, New Delhi on 07.11.2022



Mr. R.P. Dhyaneshwar, II M.Sc. Medical Physics won the Best Oral Paper Presentation award (Medical Physics) in One-Day National Conference on Emerging Trends in Physical Sciences and Mathematics organized by the Faculty of Basic and Applied Science, Dr.N.G.P. Arts and Science College, Coimbatore on 12.04.2023

## STAFF PARTICIPATION

- Mr. D. Sivakumar, Assistant Professor of Medical Physics participated in the Professional Development Workshop on "Digital Creativity Skills," at Dr. N.G.P. Arts and Science College, Coimbatore in association with Adobe Academic Essentials Program on 29.05.2023
- Ms. K. Indhumathi, Assistant Professor of Medical Physics participated in the Professional Development Workshop on "Digital Creativity Skills," at Dr. N.G.P. Arts and Science College, Coimbatore in association with Adobe Academic Essentials Program on 29.05.2023
- Ms. G. Daisy, Assistant Professor of Medical Physics participated in the Professional Development Workshop on "Digital Creativity Skills," at Dr. N.G.P. Arts and Science College, Coimbatore in association with Adobe Academic Essentials Program on 29.05.2023
- Mr. D. Sivakumar, Assistant Professor of Medical Physics participated in One-day National Conference on "Emerging Trends in Physical Sciences and Mathematics," at Dr.N.G.P. Arts and Science College on 12.04.2023
- Ms. G. Daisy, Assistant Professor of Medical Physics, participated in the One-day National Conference on Emerging Trends in Physical Sciences and Mathematics, at Dr.N.G.P. Arts and Science College on 12.04.2023
- Ms. K. Indhumathi, Assistant Professor of Medical Physics, participated in the One-day National Conference on Emerging Trends in Physical Sciences and Mathematics, at Dr.N.G.P. Arts and Science College on 12.04.2023
- Mr. D. Sivakumar, Assistant Professor of Medical Physics, participated in the One Day Workshop on Outcome Based Education (OBE) organized by Dr. N.G.P. Arts and Science College, Coimbatore in association with IPSR solutions limited on 04.03.2023

- Ms. G. Daisy, Assistant Professor of Medical Physics participated in the One Day Workshop on “Outcome Based Education (OBE)” organized by Dr. N.G.P. Arts and Science College, Coimbatore in association with IPSR solutions limited on 04.03.2023
- Ms. K. Indhumathi, Assistant Professor of Medical Physics participated in the One Day Workshop on “Outcome Based Education (OBE)” organized by Dr. N.G.P. Arts and Science College, Coimbatore in association with IPSR solutions limited on 04.04.2023
- Ms. K. Indhumathi, Assistant Professor of Medical Physics participated in Seven Days National Level FDP on “Teaching and Learning Process in HEI’S” organized by IOT Academy from 07.02.2023 to 15.02.2023
- Ms. G. Daisy, Assistant Professor of Medical Physics participated in the Two days National Level FDP on “Innovative Teaching and Online Resources” organized by IOT Academy from 23.01.2023 to 24.01.2023
- Ms. G. Daisy, Assistant Professor of Medical Physics participated in the Two days National Level FDP on “ICT Tools and Innovative Teaching Techniques” organized by IOT Academy from 29.12.2022 to 30.12.2022
- Mr. D. Sivakumar, Assistant Professor of Medical Physics participated in the Two days National Level FDP on “ICT Tools and Innovative Teaching Pedagogy and Online Resources & Tools” organized by IOT Academy from 08.12.2022 to 09.12.2022
- Ms. G. Daisy, Assistant Professor of Medical Physics, participated in the DHR-ICMR Sponsored One Day National Level Workshop on Advanced Artificial Intelligence (AI) Methods in Breast Cancer Diagnosis and Clinical Research on 26.11.2022
- Mr. D. Sivakumar, Assistant Professor of Medical Physics participated in the DHR-ICMR Sponsored One Day National Level Workshop on Advanced Artificial Intelligence (AI) Methods in Breast Cancer Diagnosis and Clinical Research on 26.11.2022
- Ms. K. Indhumathi, Assistant Professor of Medical Physics participated in the DHR-ICMR Sponsored One Day National Level Workshop on Advanced Artificial Intelligence (AI) Methods in Breast Cancer Diagnosis and Clinical Research on 26.11.2022
- Mr. D. Sivakumar, Assistant Professor of Medical Physics participated in the Two days National Level FDP on “Research Article and Research Funding Proposal Writing” organized by IOT Academy from 24.11.2022 to 25.11.2022
- Ms. K. Indhumathi, Assistant Professor of Medical Physics participated in International Online Faculty Development Program on Current Scenario in Advanced Materials Research and Nanotechnology organized by Rajus’ College Rajapalayam from 14.11.2022 to 18.11.2022
- Mrs. G. Daisy, Assistant Professor of Medical Physics, participated in an Online Quiz on World Radiography Day organized by SAHS, AVMCH Campus on 08.11.2022
- Mr. D. Sivakumar, Assistant Professor of Medical Physics, participated in an Online Quiz on World Radiography Day organized by SAHS, AVMCH Campus on 08.11.2022
- Mrs. K. Indhumathi, Assistant Professor of Medical Physics, participated in an Online Quiz on World Radiography Day organized by SAHS, AVMCH Campus on 08.11.2022
- Ms. K. Indhumathi, Assistant Professor of Medical Physics participated in an online National CME on “AI in Medical Imaging” organized by AIMS, Bathinda on 08.11.2022
- Mr. D. Sivakumar, Assistant Professor of Medical Physics, participated in the 43rd Annual Conference of Association of Medical Physicists, New Delhi from 05.11.2022 to 07.11.2022
- Ms. K. Indhumathi, Assistant Professor of Medical Physics participated in Two Days National Level FDP on “IPR, Entrepreneurship and Start-ups” organized by IOT Academy from 27.10.2022 to 28.10.2022
- Mr. D. Sivakumar, Assistant Professor of Medical Physics participated in an FDP on “Advanced Radiotherapy and Nuclear Medicine Techniques” from 22.06.2022 to 24.06.2022
- Ms. G. Daisy, Assistant Professor of Medical Physics participated in an FDP on “Advanced Radiotherapy and Nuclear Medicine Techniques” from 22.06.2022 to 24.06.2022

## STAFF PRESENTATION

- Mr. D. Sivakumar, Assistant Professor of Medical Physics presented a paper in ATAL Sponsored Faculty Development Program on “Radiation Exposure and Its impact on Human Health” at Sri Eshwar College of Engineering on 21.11.2022

## STUDENTS PARTICIPATION

- Students of I and II M.Sc. Medical Physics participated in the 43rd Annual Conference of Association of Medical Physicists, New Delhi from 05.11.2022 to 07.11.2022
- Students of II M.Sc. Medical Physics participated in Quiz Competition organized by 43rd Annual Conference of Association of Medical Physicists, New Delhi from 05.11.2022 to 07.11.2022
- Students of I and II M.Sc. Medical Physics participated in an Online Quiz on World Radiography Day organized by SAHS, AVMCH Campus on 08.11.2022

- Students of I M.Sc. Medical Physics participated in Students Induction Program on "With Awareness Comes Change" Rotary Texcity YUVA INDIA 2022 from 16.11.2022 to 18.11.2022
- Students of I M.Sc. Medical Physics participated in DHR-ICMR Sponsored One Day National Level Workshop on Advanced Artificial Intelligence (AI) Methods in Breast Cancer Diagnosis and Clinical Research on 26.11.2022
- Students of I M.Sc. Medical Physics participated in one-day National Conference on Emerging trends in Physical Sciences and Mathematics (ETPSM'2023) organized by the faculty of BAS, Dr. N.G.P.Arts and Science College on 12.11.2023
- Students of II M.Sc. Medical Physics presented papers in one-day National Conference on Emerging trends in Physical Sciences and Mathematics (ETPSM'2023) organized by the faculty of BAS, Dr. N.G.P.Arts and Science College on 12.11.2023

## DEPARTMENT OF MATHEMATICS



### WORKSHOP

Ms. Bharathi Anbarasan, Assistant Professor (SG), Dr.N.G.P.Arts and Science College, Coimbatore delivered a hands-on workshop on the topic "Object Oriented Programming using JAVA Language" on 05.11.2022

### STUDENT DEVELOPMENT PROGRAMME

- Mr. K. Santhosh Raj, III B.Sc. Mathematics delivered a talk on "Emotional Regulations for improving Personal Behavior" on 08.01.2022
- Ms. K.K. Narmatha Priya, II M.Sc. Mathematics shared her views on "Inhale Courage and Exhale Fear" on 29.10.2022
- Mr. K. Ragavendra Vignesh, III B.Sc. Mathematics gave a talk on "How to overcome mental problems" on 11.03.2023
- Ms. S. Sivaranjani, II M.Sc. Mathematics addressed on the topic "An expert in anything was once a beginner" on 29.03.2023

## ALUMNI INTERACTION



Ms. R. Anushya, HR Recruiter- KG Invicta Services Pvt. Ltd, Coimbatore delivered an Alumni interaction on "Significance of Decision Making" on 08.10.2022



Ms. G. Sangavi, Online Tutor, Focus Edumatics Pvt Limited, Coimbatore interacted with students on "Practice Makes a Man Perfect" on 29.10.2022



Mr.K.Kalimuthu, Research Scholar, Applied Mathematics, Bharathiar University, Coimbatore shared his knowledge on "Research and Development in Applied Mathematics" on 11.11.2022



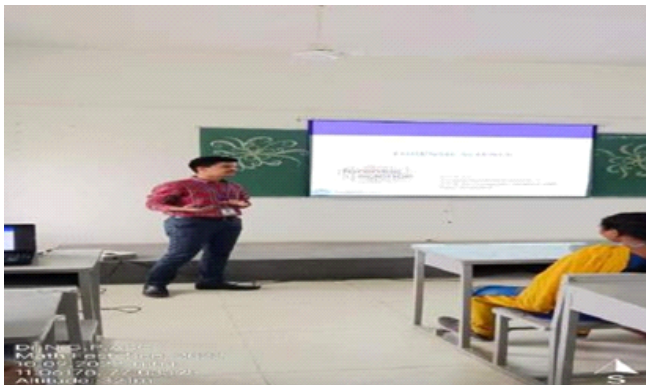
### INTER-DEPARTMENT MEET - MATHFEST 2022



Dr. S. Kowsalya, delivered the Inaugural address at the Inter Department Meet MATHFEST 2022, on 10.09.2022



Poster Presentation at the Inter Department Meet, MATHFEST 2022 on 10.09.2022



Math Quiz during the Inter Department Meet, MATHFEST 2022 on 10.09.2022



Sudoku & Math Art at the Inter Department Meet, MATHFEST 2022 on 10.09.2022



Paper Presentation at the Inter Department Meet, MATHFEST 2022, on 10.09.2022



Dr. N. Kumaresh delivered the Valedictory Session at the Inter Department Meet, MATHFEST 2022 on 10.09.2022

Math Mehndi at the Inter Department Meet, MATHFEST 2022 on 10.09.2022

### Inter Collegiate Meet XTASY'23



P.S.G. College of Arts and Science won the overall trophy at XTASY'23 on 09.03.2023

### Extension Activity



Students of III B.Sc. Mathematics actively participated in an Extension Activity, Awareness Programme on "Water Conservation" on 10.09.2022



Students of III B.Sc. Mathematics actively participated in an Extension Activity, Awareness Programme on "Vedic Mathematics" at Pannimadai, on 28.01.2023

### Students Achievements

- Mr.K.Madhu Pradheevkaran of I B.Sc. Mathematics won 3rd prize in Independence Day, Tamil speech conducted by Elangovadigal Tamil Mandram at Dr. NGP Arts and Science College
- Santhosh Raj. K of III B. Sc Mathematics won 2nd prize in Folk dance conducted by Bharathiar University.
- Swetha. S of III B.Sc Mathematics won 2nd prize in Folk dance conducted by Bharathiar University.
- Anisha. T of III B.Sc Mathematics won 2nd prize in Folk dance conducted by Bharathiar University.
- Madhu Pradheevkaran of I B.Sc Mathematics won 3rd prize in Tamil speech competition conducted by Elangovadigal Tamil Mandram at Dr. N.G.P. Arts and Science College on 05.09.2022
- Madhu Pradheevkaran of I B.Sc Mathematics won 2nd prize in Tamil speech competition conducted by Elangovadigal Tamil Mandram at Dr. N.G.P. Arts and Science College on 15.11.2022
- Santhosh Raj. K of III B. Sc Mathematics won 1st prize in Folk dance

conducted by Chinmaya Yuva Kendra, Coimbatore

- Swetha. S of III B. Sc Mathematics won 1st prize in Folk dance conducted by Chinmaya Yuva Kendra, Coimbatore
- Anisha. T of III B. Sc Mathematics won 1st prize in Folk dance conducted by Chinmaya Yuva Kendra, Coimbatore
- Mathumitha. S of I M. Sc Mathematics won 1st prize in Quiz conducted by Bharathiar University PG Extension and Research center, Erode
- Ragavendra Vignesh. K of III B. Sc Mathematics won 1st prize in Quiz conducted by Bharathiar University PG Extension and Research center, Erode
- Madhu Pradheevkaran of I B.Sc Mathematics won 1st prize in Tamil debate conducted by Shri Narayana Guru College
- Rithika. C of II M. Sc Mathematics won 2nd prize in presentation titled "Launch your thoughts" conducted by Dr. SNS Rajalakshmi Arts and Science College
- Monisha. M of II M. Sc Mathematics won 2nd prize in presentation titled, "Launch your thoughts" conducted by Dr. SNS Rajalakshmi Arts and Science College

### PLACEMENT

21 of III B.Sc Mathematics students were placed in various reputed companies like Deloitte, Zolostays, Nielsen IQ, IBM, Wipro, Infosys, Fincorp Insurance, ICICI Bank, Focus, Accenture, CTS etc.,

### STAFF RECOGNITION

- Dr. S. Kannaki, Assistant Professor of Mathematics was the Resource person for a Workshop on "Optimal Solution using Excel solver" at Kumaraguru College of Liberal Arts and Science on 01.04.2022
- Dr. M.Sangeetha, Assistant Professor of Mathematics was the Resource person for a Guest Lecture at Park Arts and Science College, Coimbatore on 11.05.2022
- Dr. M. Sangeetha, Assistant Professor of Mathematics was the Resource person for a Guest Lecture at St. Joseph Arts and Science College, Coimbatore on 07.10.2022
- Dr. M.Sangeetha, Assistant Professor of Mathematics was the Resource person for a Guest Lecture at Sri Ramakrishna College for Women, Coimbatore on 14.11.2022
- Dr. R. Sowrirajan, Head, Department of Mathematics was the Resource Person for a Guest Lecture on Applications of Green's Function at P.K.R. Arts College for Women, Gobi

## STAFF PUBLICATION

- Karuppusamy Loganathan, S. Eswaramoorthi, P. Chinnasamy, Reema Jain, Ramkumar Sivasakthivel, Rifaqat Ali & N. Nithya Devi published a paper entitled “Heat and Mass Transport in Casson Nanofluid Flow over 3-D Regard Plate with Cattaneo-Christov Double Flux: A Computational Modelling through Analytical Methods” in Symmetry SCIE Indexed, Volume 15 & 15 pages, IF No: 2.940, 2022
- S. Eswaramoorthi, K. Loganathan, Muhammad Faisal, Thongchai Bortmart & Nehad Ali Shah published paper entitled “Analytical and numerical investigation of Darcy-Forchheimer flow of a nonlinear-radiative non-Newtonian fluid over a Riga plate with entropy optimization” in Ain Shams Engineering Journal SCIE Indexed, Volume 14(3) & 15 pages, IF No: 4.79, 2022
- Safak Kayikci, S. Eswaramoorthi, Seda Postalcioglu & K. Loganathan published a paper entitled “Thermal analysis of radiative water and glycerin based carbon nanotubes past a Riga plate with stratification and non-Fourier heat flux theory” in Journal of Thermal Analysis and Calorimetry SCI Indexed, Volume 148(2) & 533- 549 pages, IF No: 4.755, 2022
- K. Rajupillai, Nazek Aleesa, S. Eswaramoorthi & K. Loganathan published paper entitled “Thermal Behavior of the Time-Dependent Radiative Flow of Water- Based CNTs/Au Nanoparticles Past a Riga plate with Entropy Optimization and Multiple Slip Conditions” in Entropy SCIE Indexed, Volume 25(1) & 20 pages, IF No: 2.738, 2022
- F. Ali, K. Loganathan, S. Eswaramoorthi, M. Faizan, E. Prabu & A. Zaib published a paper entitled “Bioconvective Applications of Unsteady Slip Flow Over a Tangent Hyperbolic Nanoliquid with Surface Heating: Improving Energy System Performance” in International Journal of Applied and Computational Mathematics SCOPUS, Volume 8(6) & 22 pages, 2022
- R. Prabakaran, S. Eswaramoorthi, K. Loganathan & Sonam published a paper entitled “Thermal Radiations and Viscous Dissipation Impacts of Water and Kerosene- Based Carbon Nanotubes over a Heated Riga Sheet” in Journal of Nanomaterials SCIE Indexed, 17 pages, IF No: 3.791, 2022
- F. Ali, K. Loganathan, S. Eswaramoorthi, K. Prabu, A Zaib & Dinesh Kumar Chaudhary published paper entitled “Heat transfer analysis on carboxymethyl cellulose water-based cross hybrid nanofluid flow with entropy generation” in Journal of Nanomaterials SCIE Indexed, 11 pages, IF No: 3.791, 2022
- F. Ali, K. Loganathan, E. Prabu, S. Eswaramoorthi, M. Faizan, A. Zaib & Dinesh Kumar Chaudhary published paper entitled “Entropy Minimization on Sutter by Nanofluid past a Stretching Surface with Swimming of Gyrotactic Microorganisms and Nanoparticles” in Mathematical Problems in Engineering SCIE Indexed, 17 pages, IF No: 1.430, 2022
- S. Eswaramoorthi, K. Loganathan, Reema Jaim & Sonam Gyeltshen published paper entitled “Dracy-Forchheimer 3D Flow of glycerine-based Carbon nanotubes on a Riga plate with nonlinear thermal radiations and Cattaneo- Christov heat flux” in Journal of Nanomaterials SCIE Indexed, 2022 & 20 pages, IF No: 3.791
- P. Umadevi, M. Suganya & J. Prakash published paper entitled “Influence of the Ferro Particles on Convection Inside Inclined 2D Enclosure with Heat conducting and Generating Body” in Journal of Nanofluids WoS, volume 11 & 572-582 pages, 2022
- Khaled Al-Farhany, Barik Al-Muhja, Karuppusamy Loganathan, Umadevi Periyasamy, Farhan Ali & Ioannis E Sarris published paper entitled “Analysis of Convection Phenomenon in Enclosure Utilizing Nanofluids with Baffle Effects” in Energies SCIE Indexed, Volume 6615 & 15 pages, IF No: 3.252, 2022
- P. Sozhaeswara, R. Sowrirajan, K. Loganathan & Sonam Gyeltshen published paper entitled “A Study on the Impact of Nonlinear Source Term in Black-Scholes option pricing Model” in Hindawi-Abstract and Applied Analysis SCOPUS, 2022
- Dr. Manimekalai S, Dr. C. Sharanya, Ms. Saniya Bhalerao, Govindharaj, Javangula Vamsinath, Mr. Sushant Kumar Pattnaik & Dr. D. Stalin David published paper entitled “Mathematical Descriptors for Drug Design Using Python Program” in Journal of Pharmaceutical Negative Results WoS & SCOPUS, 2022, IF No: 0.654
- S. Mathankumar, D.S. Poornima & S. Zulfia Nihara published paper entitled “An Approximate Approach for the System of Fredholm Integral Equations” in Advances and Applications in Mathematical Sciences WoS, IF No: 0.1, 2022
- P. Mythili & S. Gokilamani published a paper entitled “Total Coloring of shadow, friendship and Jellyfish Graphs” in Stochastic Modelling and Applications UGC Care List, 2022
- S. Divya, S. Eswaramoorthi & Karuppasamy published paper entitled “Numerical Computation of Ag/ A/203 Nanofluids over a Riga Plate with Heat Sink/Source and Non-Fourier Heat Flux Model” in Mathematical and Computational Applications WoS(ESCI), Volume 28(1) & 21, 2022
- Nazek Alessa, R. Sindhu, S. Divya, S. Eswaramoorthi, Karuppasamy Loganathan & Kashi Sai Prasad published paper entitled “Computational Analysis of Darcy- Forchheimer Flow of Cu/Al-AI2 O3 Hybrid Nanofluid in Water over a Heated Stretchable Plate with Nonlinear Radiations” in Micromachines SCIE Indexed, Volume 14(2) & 15 pages, IF No: 3.523, 2022

- R. Sindhu, Nazak Alessa, S. Eswaramoorthi & Karuppasamy Loganathan published a paper entitled “Comparative Analysis of Darcy-Forchheimer Flow of a Water- Based Al<sub>2</sub>O<sub>3</sub>-Ag/TiO<sub>2</sub> Hybrid Nanofluid over a Riga plate with Heat Sink/Source” in Symmetry SCIE Indexed, Volume 15(1) & 16 pages, IF No: 2.94, 2022
- S. Divya, NazekAlessa, S. Eswaramoorthi & Karuppasamy Loganathan published a paper entitled “Thermally Radiative Darcy-Forchheimer Flow of Cu/Ag Nanofluid in Water Past a Heated Stretchy Sheet with Magnetic and Viscous Dissipation Impacts” in Symmetry SCIE Indexed, Volume 15(1) & 17 pages, IF NO: 2.94, 2022
- S. Divya, S. Eswaramoorthi & Karuppasamy Loganathan published a paper entitled “Darcy-Forchheimer Flow of Cu/ TiO<sub>2</sub> nanofluid past a stretching sheet with heat generation/consumption” in Journal of Physics: Conference Series(Conference Proceedings) SCOPUS, Volume 2371, 2022
- Dr. Manimekalai S, Dr. P. Yamunaa, R. Ashwini, V. Karthick, Amarendra Alluri, R.B.R. Prakash & Dr. B. Jega Jothi published paper entitled “Automated Short Term Load Prediction in Power Systems using Collision Bodies Optimization with Multi Head Deep Learning Model” in Proceedings of the International Conference on Inventive Research in Computing Application (ICIRCA 2022) SCOPUS, IEEE Xplore Part Number CFP22N67-ART; ISBN: 978-1-6654-9707-7, 2022

## FACULTY PROFESSIONAL DEVELOPMENT PROGRAM

- Ms. S. Gokilamani, Assistant Professor of Mathematics gave a talk on “Descriptive Statistics using R” on 10.08. 2022
- Dr. S. Eswaramoorthi, Assistant Professor of Mathematics shared his knowledge on “Computational Methods for Differential Equations” on 17.08.2022
- Dr. M. Sangeetha, Assistant Professor of Mathematics delivered a lecture on “Optimal Solutions using Spreadsheet” on 24.08.2022
- Dr. P. Umadevi, Assistant Professor of Mathematics shared her ideas on “Mathematical Documentation using LATEX” on 14.09.2022
- Dr. S. Manimekalai, Assistant Professor of Mathematics delivered a lecture on “Applications of Python Programming” on 21.09.2022
- Ms. A. Thamilpriya, Assistant Professor of Mathematics gave a talk on “Mathematics behind Machine Learning” on 12.10.2022
- Dr. S. Mathankumar, Assistant Professor of Mathematics shared his views on “Applications of Fuzzy Mathematics” on 19.10.2022
- Ms. R. Anandhi, Assistant Professor of Mathematics gave a talk on

“Nano Topology and its Applications” on 17.10.2022

- Mr. C. Sivakumar, Assistant Professor of Mathematics delivered a lecture on “Research in Fluid Dynamics: An Overview” on 25.01.2023
- Ms. M. Vinitha, Assistant Professor of Mathematics presented a talk on “Fractional Calculus: Introduction and Applications” on 21.02.2023
- Mr. S. Ramesh Kumar, Assistant Professor of Mathematics gave a talk on “Number Theory: Queen of Mathematics, Warrior of Cryptography” on 28.02.2023
- Dr. S. Kannaki, Assistant Professor of Mathematics shared her views on “Correlation and Regression Analysis using SPSS” on 29.03.2023

## STAFF AWARDS

- Ms. S. Gokilamani, Assistant Professor of Mathematics was awarded as “NPTEL Topper” in NPTEL Online Course “The Psychology of Language”
- Dr. S. Manimekalai achieved Research Excellence Award 2022 from Institute of Researchers on June 2022

## DEPARTMENT OF CHEMISTRY

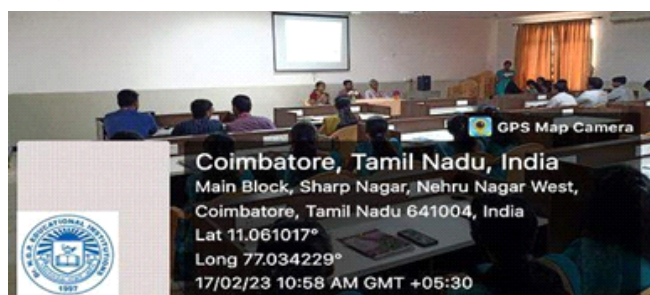
### GUEST LECTURE



Dr.M.Karunanithi, Assistant Professor of Chemistry delivered a lecture entitled “Quantum Chemistry” on 29.8.2021



Dr. T. Suresh, Assistant Professor of Chemistry shared his knowledge on “Organic Natural Products” on 10.9.2022



Dr. B. S. Krishnamoorthy, Assistant Professor of Chemistry gave a talk on the topic “Introduction to Computational Chemistry and its applications” on 17.02.2023

## WORKSHOP



Dr. B. Janarthanan, Assistant Professor of Chemistry acted as a resource person in a hands-on workshop on the topic “Fabrication of Dye Sensitized Solar Cells” on 17.3.2023

## ALUMNI INTERACTION



Ms. Anakha T H, Academic Centre Head, Byjus Educational Technology, Coimbatore interacted with the students and gave a talk on 20.02.2023

## EXTENSION ACTIVITY

An Extension Activity was conducted on “Importance of renewable energies in daily life” at Pannimadai, Coimbatore on 11.02.2023



## DOOR TO DOOR CAMPAIGN



Students of III B.Sc. Chemistry, created awareness through door to door campaign to educate people on the importance of renewable energy in day-to-day life

## FACULTY DEVELOPMENT PROGRAMME

Department of Chemistry organized three days Faculty Development Programme on Emerging Chemical Research and Technologies from 24.5.2022 to 26.05.2022

## FACULTY PROFESSIONAL DEVELOPMENT PROGRAM

- Dr. S. Shyamsivappan, Assistant Professor of Chemistry, Dr.N.G.P. Arts and Science College, Coimbatore gave a talk on “New quinoline compounds and their biological activities” on 27.08.2022
- Dr.R.Rajkumar, Assistant Professor of Chemistry, Dr.N.G.P. Arts and Science College, Coimbatore presented his views on “Synthesis of Heterocyclic compounds” on 24.09.2022
- Dr. M. Dinesh Kumar, Assistant Professor of Chemistry, Dr.N.G.P. Arts and Science College, Coimbatore gave a lecture on “Piperidone compounds and their biological activities” on 08.10.2022
- Dr. M. Mohanraj, Assistant Professor of Chemistry, Dr.N.G.P. Arts and Science College, Coimbatore shared his knowledge on “Design

of Metal Based Anti-Cancer Drug” on 26.11.2022

- Dr. R. Rajkumar, Assistant Professor of Chemistry, Dr.N.G.P. Arts and Science College, Coimbatore shared his expertise on “Process of Metallurgy” on 06.12.2022
- Dr.R.Ravikumar, Assistant Professor of Chemistry, Dr.N.G.P. Arts and Science College, Coimbatore gave a talk on “Chemistry of Natural Products-Lipids” on 08.12.2022
- Dr.R.Menaka, Assistant Professor of Chemistry, Dr.N.G.P. Arts and Science College, Coimbatore shared her knowhow on “Insights of Advanced Biopolymer Materials” on 28.01.2023
- Ms.P.Kavitha, Assistant Professor of Chemistry, Dr.N.G.P. Arts and Science College, Coimbatore gave a talk on “The development of DSSC for Photovoltaic Energy Conservation” on 25.02.2023
- Dr.M.R.Ezhilarasi, Assistant Professor of Chemistry, Dr.N.G.P. Arts and Science College, Coimbatore presented her views on “Microwave Assisted Organic Synthesis” on 25.3.2023

## STUDENT DEVELOPMENT PROGRAM

Dr. M. Suganthi, Head, Department of Chemistry gave a Hands-on Training on “Using Origin Software” on 05.11.2022

## INVITED LECTURES

- Dr.R.Menaka, Assistant Professor of Chemistry, Dr.N.G.P. Arts and Science College, Coimbatore was the Resource person at Sri Ranganathar Institute of Polytechnic College, Coimbatore on 24.09.2022
- Ms. P.Kavitha, Assistant Professor of Chemistry, Dr.N.G.P. Arts and Science College, Coimbatore was the Resource person at Sri Ranganathar Institute of Polytechnic College on 24.09.2022
- Dr.R.Menaka, Assistant Professor of Chemistry, Dr.N.G.P. Arts and Science College, Coimbatore was the Resource person at KGISL Institute of Technology on 28.11.2022
- Dr.M.Suganthi, Assistant Professor of Chemistry, Dr.N.G.P. Arts and Science College, Coimbatore was the Resource person at Dr.N.G.P. College of Education on 23.11.2022
- Dr.M.Dinesh Kumar, Assistant Professor of Chemistry, Dr.N.G.P. Arts and Science College, Coimbatore was the Resource person in Government Higher Secondary School, Kalapatti on 06.01.2023

## BOOK CHAPTERS PUBLICATIONS

- Dr.R.Menaka published a book chapter on “Polymeric Corrosion Inhibitors for Greening the Chemical and Petrochemical Industry/Natural Polymers and their derivatives as corrosion

inhibitors for the Oil and Gas industry”. ISBN/ISSN No: 3527349928, 9783527349920

- Dr. M.Suganthi published a book chapter on “Green Synthesis characteristics and biological activities of Silver nano particles mediated by Alpinia Calcarata Essential oil as reducing agent”. ISBN/ISSN No: 9789357738118
- Dr.M.Suganthi & Dr.M.R.Ezhilarasi published book chapter on “Synthesis of Ni (II) Schiff base complexes and Spectral Characterization”. ISBN/ISSN No: 9789357738118
- Dr.M.R.Ezhilarasi pulished a book chapter on “Microwave assisted one pot synthesis of Amido alkyl Naphthols using Heterogeneous catalyst under solvent free condition”. ISBN/ISSN No: 9789357738118
- Dr.M.R.Ezhilarasi & Dr.M.Suganthi published a book chapter on “5,7-Bis (4-chlorophenyl)- 1H-Pyrano[2,3-D] pyrimidine-2-,4(3H,5H)-Diones as a corrosion inhibitor for mild steel in acid medium”. ISBN/ISSN No: 9789357738118
- Dr.M.R.Ezhilarasi published a book chapter on “Synthesis and characterization of Zn-Mg Bimetal oxide nanoparticles” ISBN/ISSN No: 9789357738118
- Mrs.P.Kavitha published a book chapter on “Synthesis Characterization and Invitro antimicrobial study of benzimidazolium sulphosalicylate” in conference proceedings.
- Dr.R.Menaka published a book chapter on “Synthesis, swelling and responsive properties of chitosan based composite hydrogels” in conference proceedings
- Dr.R.Menaka published a book chapter on “Experimental and theoretical investigation of Spiroheterocyclic compounds as potential inhibitor for mild steel in acid media”. ISBN/ISSN No: 978-93-5768-301-2
- Dr.R.Menaka & P.Kavitha published a book chapter on “Electrochemical investigation and surface interaction of Thiophene based Chitosan Schiff base on mild steel surface in 1M HCl”. ISBN/ISSN No: 978-93-5768-301-2
- P.Kavitha published a book chapter on “Synthesis, Spectral, structural and biological evaluation of 2-amino-2-ethylpyridinium picrate crystal”. ISBN/ISSN No: 978-93-5768-301-2
- P.Kavitha & Dr.R.Menaka published a book chapter on “Green synthesis, characterization and antioxidant properties of Nickeloxide nano particles using root extract of Withania somnifera”. ISBN/ISSN No: 978-93-5768-301-2
- Mrs. P.Kavitha & Dr.R.Menaka published a book chapter on “Determination and elimination of fluoride from aqueous environment

using bio adsorbent". ISBN/ISSN No: 978-93-5768-301-2

- Dr. S. Shyamsivappan published a book chapter on "Bio actives and pharmacology of medicinal plants Volume I, Chemical Characterization and Pharmacology of Magnolia champaca (L.) Baill. Ex Pierre". ISBN/ISSN No: 978-1-77491-028-3

- Dr. S. Shyamsivappan published a book chapter on "Bio actives and pharmacology of medicinal plants Volume I, Biomolecules and Therapeutics of Spathodea campanulata P.Beauv". ISBN/ISSN No: 978-1-77491-028-3

## BOOKS PUBLICATIONS

- Dr.R.Menaka, Mrs.P.Kavitha & Dr.S.Shyamsivappan published a book on "Allied Chemistry: Lab Manual for UG students". ISBN/ISSN NO: 978-81-960554-1-7

- Mrs. P.Kavitha & Dr.R.Menaka published a book on "Inorganic Analysis: Lab Manual for UG students." ISBN/ISSN NO: 978-81-960554-9-3

- Dr.M.Dinesh Kumar published a book on "Physical Chemistry: Lab Manual for PG students." ISBN/ISSN NO: 978-81-960903-8-8

- Dr.M.Mohanraj & Dr.R.Rajkumar published a book on "Volumetric Analysis and Preparations: Lab Manual for UG students". ISBN/ISSN No: 978-81-960554-8-6

- Dr.R.Ravikumar & Dr.M.Dinesh Kumar published a book on "Organic Chemistry: Lab Manual for PG students". ISBN/ISSN No: 978-81-960903-1-9

- Dr.M.Myilsamy & Dr.S.Shyamsivappan published a book on "Physical Chemistry: Lab Manual for UG students". ISBN/ISSN NO: 978-81-960554-0-0

- Ms. P.Kavitha & Dr.R.Menaka published a book on "Synthesis and Antimicrobial Evaluation of Benzimidazolium salicylate". ISBN/ISSN NO: 978-620-6-14421-2

- Dr.R.Menaka & Mrs. P.Kavitha published a book on "Swelling behavior of chitosan based hydrogels: Effect of cross linkers". ISSN/ISBN No: 978-620-6-14390-1

- Dr. S. Shyamsivappan published a book on "Anticancer Properties of Palladium Compounds". ISBN/ISSN No: 978-93-5570-457-3

## PAPER PUBLICATIONS

- Dr. R. Rajkumar, & Dr.M.Mohanaraj published a research paper on "Important roles of Cyclic Di Keto Compounds to one pot synthesis of Nitrogen heterocyclic systems" in International Journal of Creative Research thoughts" Volume 10, Issue 7, ISSN No: 2320-2882, July 2022

- Dr.R.Ravikumar, Dr.M.Dinesh Kumar, Dr.R. Rajkumar & Dr.M.Mohanaraj published a research paper on "A Comparative Study on Metal Ion Reducing Ability, Phytochemical Screening And Biological Activity Of Flower, Stem And Leaf Parts Of *Todalia Asiatica* (Linn.) Lam". International Journal of Creative Research thoughts, 22-Nov, Volume 10, Issue 11 November 2022, ISSN: 2320-2882

- Dr.M.Mohanaraj Dr.R.Ravikumar, & Dr.Rajkumar published a review paper on "A Review on Therapeutic Application of Ruthenium Complexes International Journal of Creative Research thoughts", Nov -22, Volume 10, Issue 11 November 2022, ISSN: 2320-2882

- Dr.M.Mohanaraj, Dr.M.Dinesh Kumar, Dr.R.Ravikumar, & Dr.Rajkumar published a research paper on "Synthesis, Spectral Characterization and Antioxidant Studies of Ruthenium(II) Hydrazone Complexes" in Indian Journal of Advances in chemical Science, 2022; 10(4): 167- 171, ISSN NO: 2320-0898 (p); 2320-0928 (e)

- Muthuvel Ramanathan Ezhilarasi and Mannathusamy Gopalakrishnan published a research paper on "Synthesis, Spectral Characterization and in silico docking and ADME prediction and Biological evaluation of novel piperidine 4-one derivatives" in Letters in organic chemistry Jan- 23, Volume 20: 2023, ISSN No: 1875-6255(Impact Factor: 0.79)

- M.Karthigai Priya, K.Poonkodi, K.Vimaladevi, V.Anitha, R.Chithradevi, E.Jayanthi and M.Suganthi published a research paper on "Chemical Profile and invitro biological activities of *Eupatorium adenophorum* Spreng" in Rasayan Journal of Chemistry, Dec-22, Vol.15, No-4, 2366-2372, ISSN No: 0974-1496 (Impact Factor: 1.12)

- Hemanth S, Narendrakumar R, Santhosh A, Gopalakrishnan K, Menaka R, Kavitha P published a research paper on "Identification of Food adulterant present in Turmeric, Coriander, Chilli powder using low-cost laboratory methods" in Journal of Research and Development, Jan-2023, Vol-15, Issue-1, ISSN No:2230-9578

## FELLOWSHIPS / AWARDS

- Dr.M.R.Ezhilarasi, Assistant Professor of Chemistry achieved "NPTEL Star performer award" conducted by SWAYAM

- Ms.P. Kavitha, Assistant Professor of Chemistry achieved Youth Parliament "Teacher In-Charge award"

- Dr.R.Menaka, Assistant Professor of Chemistry received fund from ICSSR with a grant in aid of Rs.3,65,400/-

- Dr.S.Shyamsivappan received a research project sanction from TNSCST with a grant in aid of Rs.7,500/-

## STUDENTS ACHIEVEMENTS

- Ms.K.S.Akshaya of I B.Sc. Chemistry won First Prize in "Independence day Speech" at Dr.N.G.P Arts and Science College, Coimbatore
- Mr.K.Manikandan of I B.Sc. Chemistry won Third Prize in "Drawing Competition" at Dr.N.G.P Arts and Science College, Coimbatore
- Ms.J.S.Preethi of I B.Sc. Chemistry won Third Prize in "National Science Day Competition" at Dr.N.G.P Arts and Science College, Coimbatore
- Ms.B.Kiruthi of I B.Sc. Chemistry won Third Prize in "National Science Day Competition" at Dr.N.G.P Arts and Science College, Coimbatore
- Mr.S.N.Sangeerthan of I B.Sc. Chemistry won Third Prize in "Bharathi Memorial Day-Essay writing Competition" at Dr.N.G.P Arts and Science College, Coimbatore

## DEPARTMENT OF COSTUME DESIGN AND FASHION

### HANDLOOM FASHION SHOW



A Handloom Day celebration fashion show was held for students in collaboration with Dream Zone and Kovai Makkal Sevai Maiyam, where Divya A. of III B.Sc. and Sujaya V. of II B.Sc. were selected as finalists on 10.08.2022

### WORKSHOP



Mrs. R. Kaleeswari, Entrepreneur and Fashion Designer at Blend the Trend GK Boutique, conducted an insightful workshop on Innovative Pattern Making Techniques on 27.08.2022

### WORKSHOP



Mrs. Rama Rajesh, Artist from Palette Company, Tirupur, delivered an engaging session on Phad Painting and Mural Art to our first-year CDF students on 24.09.2022

### HANDS ON TRAINING



Mrs. Amala Ramanan from Mathi Designer Boutique, Coimbatore, delivered an informative session on blouse patterning to our II B.Sc. CDF students on 08.08.2022

## SOFT SKILL DEVELOPMENT



Mrs. Ashwathi Ashokan, Soft Skill Trainer from MindBloomz, conducted an impactful training session for students, focusing on essential life skills such as Time Management, Goal Setting, Critical Thinking, Handling Stress, and Confidence Building on 31.01.2023

## CELESTIAL 2023



The Celestial 2023 Fashion Show showcased the creativity and talent of our III-year students. Participants dazzled the audience with a variety of unique styles, including Blossom, Zodiac, Architecture, Color Tale, and Nature on 12.01.2023

## WORKSHOP



Mrs. Vasantha Kumar, a Fecicryl Certified Specialist from Coimbatore, conducted a hands-on workshop on surface embellishment liquid embroidery for students on 09.02.2022 and 10.02.2022

## HANDS ON TRAINING



Mr. Abraham Antony Raj, Senior Mechanic from Singer Machines, Coimbatore, delivered an informative session on taking preventive actions and possible remedies for sewing machine issues on 15.02.2023

## GUEST LECTURE



Dr. S. Vijayakumar, Research Coordinator at VJ Biotech, delivered an informative session on Intellectual Property Rights, enlightening students about copyrights, trademarks, patents, and more on 22.02.2023

## SKILL TRAINING PROGRAM FOR RURAL WOMEN



Participants received certificates for their dedication and achievement in the skill training program held in celebration of International Women's Day on 08.03.2023

## EXTENTION ACTIVITY

- Science Day celebrations were held at Government Boys Higher Secondary School, Sulur, and Government Higher Secondary School, Kaliyamman Pudur, featuring engaging activities that inspired students' love for science on 28.02.2023

## STAFFS ACHIEVEMENTS/AWARDS

- T.R.Indumathi, was the winner in the Startup TN TEXATHON 2.0 on “Development of Medical textiles from Agro residues,” at AIC-NIFTTEA College, Tirupur and won cash prize on 04.01.2023

## STAFF RECOGNITION

- Dr. G. Malarvizhi served as a judge for the fashion show at Thiruppur Kumaran College for Women on 05.04.2023
- Dr. V. Kavitha was part of the jury for the K-TEX Next Genius National Level School Student Contest at Kumaraguru College of Technology, Coimbatore, on 01.04.2023
- Dr. V. Kavitha was a guest at the fashion show hosted by PSG College of Arts & Science, Coimbatore, on 25.03.2023
- Dr. V. Kavitha served as a judge for the Fashivo fashion show at PSG College of Arts & Science, Coimbatore, on 25.03.2023
- Dr. V. Kavitha judged an Art and Craft Competition during the Women's Day celebration at Dr. N.G.P. College of Technology, Coimbatore, on 08.03.2023
- Dr. V. Kavitha judged the Aval Vikatan “Jolly Day” at PSGR Krishnammal College for Women, Coimbatore, on 23.09.2022 & 24.09.2022
- Dr. V. Kavitha was part of the jury for paper presentations at the National Conference on trends for futuristic development in Home Science Research and Innovation at K.S.R. College of Arts and Science for Women, Thiruchengodu, on 19.10.2022
- Dr. G. Malarvizhi acted as a resource person for a one-day National Seminar on Sustainability Management Strategies in Fashion Business at Ambiga College of Arts and Science for Women, Madurai, on 25-03.2023

## STUDENT ACHIEVEMENTS

- Nivetha M, Divya A, Durga P, Haripriya P, Ramya D, Vinotha T, Sudthiksha M, Swathi S, Varshini N, Esvintha N.A, Subitha G, and Sindhu R participated in the Regalia conducted by SNMV College of Arts and Science, Coimbatore, securing I & III prizes on 02.03.2023
- Aarthi Clara S participated in MILES FEST 2K23 conducted by KPR College of Arts and Science, Coimbatore, securing I prize on 28.02.2023

- N.A. Esvintha participated in Zori-2k23 conducted by KSR College of Arts & Science, Thiruchengodu, securing I place on 01.02.2023

- Atshaya E.R participated in Fire Free Cooking conducted by Dr. N.G.P. Arts and Science College, Coimbatore, securing II prize on 31.01.2023.

- Allish S participated in Draping conducted by NIFT-TEA College of Knitwear Fashion, Thiruppur, securing III place on 03.11.2022

- Divya A won I prize for her Folk Dance at Yuvataranga conducted by Chinmaya Yuva Kendra, Coimbatore, on 15.10.2022

- Divya A also won II prize for her Folk Dance at Bharathiyar University, Coimbatore, from 10.10.2022 to 13.10.2022

## PATENTS

- T.R.Indumathi, R.Divya, “Bio compostable Pantyliners with Microfibril Absorbent medium using Agro Residuals”, Application No. 202341015416, March.2023

- T.R.Indumathi, R.Divya, “Bio compostable Sanitary Napkins with Microfibril Absorbent medium using Agro Residuals”, Application No.202341012878, Feb.2023

## STAFF PUBLICATIONS

- Dr.G.Malarvizhi, Aarthi Clara, Development of Herbal Finished Sanitary Napkins Using Terminalia Chebulan, Journal of Emerging Technologies and Innovative Research (JETIR), ISSN NO:23495162, Volume 10, Issue 5, pp 657- 666, May 2023

- Dr.G.Malarvizhi, V.Viji, Design and Development of Laptop Cooling Pad with Ceramic Nonwoven Fabric, International Peer Reviewed refereed Journal open access journal (IJRAR) ISSN: 2348- 1269, Volume.10, pp. 457-464, Issue 2, April 2023, Impact factor 7.17, UGC NO: 43602(19)

- Dr.G.Malarvizhi, Sowmiya.S, Development of Medical Gauze using Bamboo Yarn, International Journal of Advanced Research and Innovation Idea in Education (IJARIE), ISSN NO:2395-4396, Volume 9, Issue 2, pp. 2640-2648, April 2023, ISO 9001:2008, Certificate of National Science Library (NSL)

- Dr.G.Malarvizhi, Cynthia Sherly.J, Development of Aroma and Anti-Bacterial Finished Socks, Journal of emerging technologies and innovative research (JETIR) ISSN:2349-5162, Volume.10, pp.457-464, Issue 4, April 2023, Impact factor 7.95, UGC NO: 63975

## PAPER PUBLICATIONS (INDEXED)

- Dr.G.Malarvizhi, Swathi.S, Development of Knee Band and Thyme Oil Finish, International Journal of Emerging Technologies and Innovative Research (JETIR) ISSN:2349-5162, Volume.10, pp.560-571, Issue 4, April 2023, Impact factor 7.95, UGC NO: 63975

- Dr.G.Malarvizhi, L.Santhiya, Development of Ice dye Technique in Home Textile, International Journal of Research and Analytical Review, ISSN-2349-5138 Volume 10, pp.162 -17, Issue 2, April 2023 Impact factor 7.17, UGC NO:43602
- Dr.G.Malarvizhi, V.Sowmiya Thanganayaki, Development of Anti-Pesticide Finished Jute Apron for Farmers. International Journal of Enhanced Research in Science Technology & Engineering (IJERSTE), ISSN No: 2319-7463, in the Vol. 12, pp.150-157, Issue 3, March, 2023, Impact Factor: 7.957, UGC NO: 7618
- Dr.G.Malarvizhi, M.Nivetha, To Create Awareness about unrevealed women leader and unrevealed women leaders and their servicing incidents through digital printing International Journal of Enhanced Research in Science, Technology & Engineering ISSN:2319-7463, Vol.12 Issue-3, pp.137-145, March 2023, Impact Factor:7,957, UGC NO:7618
- Dr.G.Malarvizhi, M.Renoj Fathima, Development of Women Kurta with Anti-bacterial and UV protection. International Journal of Advance Research and Innovation Ideas in Education ISSN (O)-2395-4396, Volume 9, issue 2, pp.862-870, March-2023. Impact Factor: 4.06. Approved by Central Government
- Dr.G. Malarvizhi, Development of Eyemask using Tabernarmontana Divaricata, International Journal of Creative Research thoughts, ISSN : 2320-2882, 7.97 Impact factor, Volume 10 Issue 9, September 2022, UGC Approved Journal No: 49023
- Dr.T.R.Indumathi, R.Divya, B.Senthil kumar, "Antimicrobial study on surface-coated Hibiscus sabdariffa L.fiber reinforcement" Journal of Biomass conversion and Biorefinery, DOI: 10.1007/s13399-023-04569-z, 2023
- R.Divya, T.R.Indumathi, "Investigation on Potential Application of Non-wood Pulp for Hygiene Products as Absorbent Core Substantial" Journal of Biomass conversion and Biorefinery, DOI: 10.1007/s13399-022-03725-1, 2022
- Rini N B, Indumathi T.R., " Infusion of Natural Dye in Hand Embroidery Cotton Thread" International Journal of Research and Analytical Reviews, Volume 10 Issue 2, April 2023, ISSN:2349-5138
- Ramya D, Indumathi T.R., "Development of Herbal Hand Gloves for Callosity Using Natural Fibers" International Journal of Emerging Technologies and Innovative Research, Volume 10 Issue 5, May 2023, ISSN: 2349-5162
- Subitha S, Indumathi T.R., "Development of Herbal Eye Mask Using Natural Fibers" International Journal of All Research Education & Scientific Methods, Volume 11 Issue 4, April 2023, ISSN: 2455-6211.
- Gayathri J K, Indumathi T.R., "Development of Herbal Helmet Cap" International Journal of Emerging Technologies and Innovative Research, Volume 10 Issue 5, May 2023, ISSN : 2349-5162.
- Sariga.S, Indumathi T.R., "Development of Herbal Facial Beauty Mask" International Journal of Creative Research Thoughts, Volume 11 Issue 3, March 2023, ISSN: 2320-2882
- Divya.A, Indumathi.T.R, "Development of Disposable Herbal Underarm Pad Using Natural Agroresidual Medium", International Journal Of Creative Research Thoughts, Volume 11 Issue 3, March 2023, ISSN:2320-2882.
- Vinotha.T, Indumathi.T.R, "Design and Development of Waterfall Frock Finished with Natural Plant Dye", International Journal of Innovative Research In Technology, Volume 9 Issue 11, April 2023,ISSN:2349-6002
- Eshvintha.N.A, Indumathi.T.R, "Development of Eco friendly Microfibril wet wipes" International Journal of Creative Research Thoughts, Volume 11 Issue 3, March 2023, ISSN:2320-2882
- Atshaya.E. R, Indumathi.T.R, "An Innovatory And Sustainable Approach For Green Synthesis of Bioplastic" International Journal of And Analytical Reviews, volume 10 issue 1, March 2023, ISSN:2349-5138
- T.R.Indumathi, N.A.Esvintha, "Development of Eco Friendly Microfibril Wet Wipes" National Conference on Technical Textiles, NCTT 2023, PSG College of Arts and science, Coimbatore, 2023, ISBN : 978-93-5891-277-7
- T.R.Indumathi, A.Divya, "Development of Disposable Herbal Under Arm Pad Using Natural Agroresidual Medium" National Conference on Technical Textiles, NCTT 2023, PSG College of Arts and science, Coimbatore, 2023, ISBN : 978-93-5891-277-7
- S. Ragavi, T.Anjali "To development pillow cover using mandala art finished with nutmeg essence" journal of emerging technologies and innovative research – jetir, issn(o)-2349-5162 volume 10, issue 4, April 2023, approved by UGC (journal no: 63975) & 7.95 impact factor
- S. Ragavi, M.Shakthi Vikashini "To develop a baby mattress with bambusa vulgaris" journal of emerging technologies and innovative research – jetir, issn(o)-2349-5162 volume 10, issue 4, April 2023, approved by UGC (journal no: 63975) & 7.95 impact factor.
- S. Deepika rani, S.Ragavi "Development of party wear readymade silk saree using natural dye" international journal of advance research and innovation ideas in education – ijariie, issn(o)-2395-4396 volume 9, issue 2, March 2023, approved by NSL, NISCAIR, CSIR.
- S. Divya, S.Ragavi "Tectona wound healing herbal bandage" international journal of creative research thoughts – ijcr, issn: 2320-2882 vol 11, issue 3, March 2023, approved by UGC (journal no: 49023) & 7.97 impact factor.

- G. Preethi, S.Ragavi, "Development of reusable diaper insert pad with banana fiber and herbal finish" international journal of advance research and innovation ideas in education – ijariie, issn(o)-2395-4396 volume 9, issue 2, March 2023, approved by NSL, NISCAIR, CSIR
- K. Kaviya sri, S.Ragavi, "Development of eco-friendly anti bacterial and anti-inflammatory swelling band" international journal of research and analytical reviews – ijarar, e-issn 2348-1269, p-ISSN 2349-5138 volume 10, issue 2, April 2023, approved by UGC (journal no: 43602) & 7.17 impact factor
- C. Hinduja, S.Ragavi, "Development of eco-printed handbag using moringa leaves by hammering method" international journal of advance research and innovation ideas in education – IJARIII, issn(o)-2395-4396 volume 9, issue 2, March 2023, approved by NSL, NISCAIR, CSIR

## STAFF PRESENTATIONS

- Dr.G. Malarvizhi, Development of Nonwoven material for interior application, Shortlisted participant in Startup TN TEXATHON 2.0 at AIC-NIFTTEA College.Tirupur,4-Jan-2023. Development of Anti - Pesticide finished Jute Apron for Farmers, Shortlisted participants in Startup TN TEXATHON 2.0 at AIC-NIFTTEA College.Tirupur,4-Jan-2023.
- Dr.G. Malarvizhi, A Review Article on Kasturi Cotton for Sustainability, Sardar Vallabhbhai Patel International School of Textiles and Management in connection with National Conference on "Brand Promotion Strategies of Kasturi Cotton", 1st October 2022.
- T.R.Indumathi National level Technical Symposium, "An Innovatory and Sustainable Approach for Green synthesis of Bioplastics" Texcellence'23-Sustainability and Circularity in Textiles, held at Sardar Vallabhbhai Patel International School of Textiles and Management, on 6th-April-2023.
- T.R.Indumathi, National Conference on Technical Textiles "Development of Eco Friendly Microfibril Wet wipes" (Best Paper Award), PSG College of Arts and Science, Coimbatore. 29 March 2023.
- T.R.Indumathi, International Conference on Sustainable Development and Innovative Research in Home Science "Development of Eco Friendly Microfibril Wet wipes" Mother Teresa women's University, Kodaikanal, 20th March 2023.
- T.R.Indumathi, International Conference on Recent Trends in Textile and Fashion, "Investigation on Potential Application of Nonwood Pulp for Hygiene Products as absorbent Substantial", K.S.R. College of Arts and Science for Women, Namakkal, 2 nd and 3rd Feb, 2023.
- T.R.Indumathi, Development of Medical textiles from Agro residues, presentation in Startup TN TEXATHON 2.0 at AIC-NIFTTEA College.Tirupur,4-Jan-2023.
- T.R.Indumathi, National Conference on Trends for Futuristic Development in: Home science Research and Innovations (HSRI)-2022, "Development of Antimicrobial Nonwoven Fabric Using Substantial Plant Materials", K.S.R. College of Arts and Science for Women, Namakkal, 2022.
- T.R.Indumathi, 3rd International Conference on Modern Research in Biological, Pharmaceutical, Medical and Environmental Science "An Innovatory and Sustainable Approach for Green Synthesis of Bioplastic", Indian Academicians and Researchers Association, Oct-19, 2022.
- T.R.Indumathi, National Conference on "Brand Promotion Strategies of Kasturi Cotton" (NCBPSKC)-2022, "Kasturi Cotton for Sustainability" Sardar Vallabhbhai Patel International School of Textile and Management, coimbatore, 1 st Oct-2022
- S.Ragavi, Presented Paper in National Conference on "Brand Promotion Strategies of Kasturi Cotton (NCBPSKC)" on "Leveraging kasturi cotton brand" at Sardar Vallabhbhai Patel International School of Textiles and Management, Coimbatore on 01-Oct-22
- S.Ragavi, Presented Faculty Development Program on "Recent trends in home textiles" at Dr.N.G.P Arts and Science College, Coimbatore on 23-Feb-23.
- S.Vijayalakshmi, A Study of Moisture Management Finish in Knitted Fabrics paper presentation on Trends for futuristic development in: Home Science Research and Innovation, KSR College of Arts and Science for Women Namakkal, 19-Oct-22.
- S.Vijayalakshmi, A Review article on Kasturi Cotton for Sustainability to establish Kasturi Brand as a World Leader National Conference on Brand Promotion strategies Of Kasturi cotton, Sardar Vallabhbhai Patel International School of Textiles and Management , Coimbatore, 1- Oct-22
- C.Righashini & S.Vijayalakshmi "Development of Bio Degradable Product Using Natural Fiber With Seeds Infused" Journal of Emerging Technologies and Innovative Research, JETIR (ISSN: 2349-5162) Volume 10 Issue 4 April 2023
- M.Sudthiksha. & S.Vijayalakshmi "Development of Herbal Hair Towel Warp For Anti Hairfall Property" International Journal of Advance Research and Innovation Ideas in Education – IJARIII, IJARIII-ISSN(O) : 2395-4396 Volume 9 Issue 2 March 2023, Approved by NSL, NISCAIR, CSIR.
- S.Varshini & S.Vijayalakshmi "Development of Herbal Eye Pad Using Aloe Barbadosis Miller For Cooling Property" International Journal of Advance Research and Innovation Ideas in Education -

IJARIE-ISSN(O) : 2395-4396 Volume 9 Issue 2 March 2023  
 ,Approved by NSL, NISCAIR, CSIR.

- S.Sneha & S.Vijayalakshmi “Infusion of Pelargonium In Woven Fabrics Using Padding Mangle Method On Bedding Product” International Journal of Creative Research Thoughts (IJCRT), IJCRT – ISSN:2320-2882 Volume11 Issue 3 March 2023, UGC Approved.
- S.Pradiksha & S.Vijayalakshmi “Development of Herbal Crack Healing Socks By Aloe Barbadensis Miller” International Journal of research And Analytical Reviews (IJRAR) , IJRAR-E- ISSN: 2348-1269, P-ISSN: 2349-5138. Volume 10 Issue 2 April 2023, UGC Approved
- P.Durga & S.Vijayalakshmi “Development of Traditional Paintings From Odisha And Sikkim. ” International Journal of Research and Analytical Reviews (IJRAR), IJRAR-E- ISSN: 2348-1269, P-ISSN: 2349-5138. Volume 10 E-Issue 2 April.

## DEPARTMENT OF CATERING SCIENCE AND HOTEL MANAGEMENT

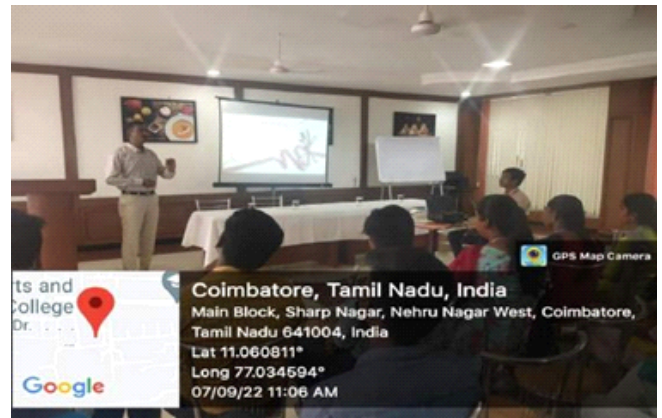
### GUEST LECTURES



Mr.K.S.Shrikutta, Food & Beverage Manager, Hotel KISCOL Grande, Coimbatore shared his expertise on “Career in Food & Beverage Industry” on 12.10.2022



Mr.K.Vinothkumar, F&B Director, Hotel Radisson Blu, Coimbatore gave a talk on “Latest Trends in Food & Beverage Service” on 5.01.2023



Mr. K.S. Karthikeyan, Lecturer, School of Business and Social Sciences, University of Asmara, Eritrea made his presentation on “Impact of Covid in Hospitality Industry” on 07.09.2022

### WORKSHOPS



Ms. S. Swetha Shared her knowledge in a workshop on “Bakery and Confectionery” on 29.08.2022



Mr.S. Vijayakumar, Assistant Professor of Catering Science and Hotel Management gave hands on training in a workshop on “Flower Arrangement” on 27.09.2022



Mr.J. Hariprasath, The Baker Boys, PN Road, Tirupur, gave a training in a workshop on "Fondant Techniques" on 30.03.2023

**STUDENT DEVELOPMENT PROGRAMS**

**SHORT INDUSTRIAL TRAINING**



Five students of III B.Sc. Catering Science and Hotel Management underwent a Short Industrial Training at Baker Boys – Bakery Unit, Tirupur from 13.03.2023 to 17.03.2023

**DIWALI HAMPERS MAKING**



III B.Sc. Catering Science and Hotel Management actively participated in "Diwali Hampers Production" on 18.10.2022

**FOOD STALLS**



Students pitched food stalls in the college premises during NGP Fest on 11.01.2023

**WEEKLY FOOD STALL**



Students' involvement at food stalls in the college premises on alternative Fridays

**INTER - DEPARTMENTAL COMPETITIONS**



Interdepartmental Competitions on Fire-Free Cooking on 31.01.2023

## EXTENSION ACTIVITY



Cookery Club classes for The NGP School Students

## STAFF RECOGNITIONS

- Mr.S.Vijayakumar, Assistant Professor of Catering Science and Hotel Management has been nominated as a University Nominee for the Board of Studies in Catering Science and Hotel Management at PSG College of Arts and Science, Coimbatore from the Academic year 2022-23 for the subsequent three years
- Mr.S.Vijayakumar, Assistant Professor of Catering Science and Hotel Management has been nominated as a University Nominee for the Board of Studies in B.Voc. Hospitality Management at PSG College of Arts and Science, Coimbatore from the Academic year 2022-23 for the subsequent three years
- Mr.S.Vijayakumar, Assistant Professor of Catering Science and Hotel Management has been nominated as a Subject Expert for the Board of Studies in Catering Science and Hotel Management at Sri Ramakrishna College of Arts and Science, Coimbatore from the Academic year 2022-23 for the subsequent three years

## STAFF PARTICIPATION

- Mr. M.Venkateswaran, Assistant Professor of Catering Science and Hotel Management participated in the National Level Workshop on "Cocktail & Flaring" organized by the Department of Catering Science and Hotel Management at Hindusthan College of Arts and Science, Coimbatore on 1.09.2022
- Mr. M.Venkateswaran, Assistant Professor of Catering Science and Hotel Management participated and presented a paper titled "A Study on Global Change in the Food and Beverage Industry After Covid" in the International Conference on "Global Shift in Hospitality Sector Emphasizing on Accommodation, Food and Beverage, Food Nutrition and Technology" organized by the Department of Hospitality Management and Catering Technology at Garden City University in association with LEAD College of Management from 8.05.2023 and 9.05.2023
- Mr. S.Vijayakumar, Assistant Professor of Catering Science and Hotel Management, presented a paper titled "Human Resource

Management in the Hospitality Industry" in the International Conference on "Global Shift in Hospitality Sector Emphasizing on Accommodation, Food and Beverage, Food Nutrition and Technology" organized by the Department of Hospitality Management and Catering Technology at Garden City University in association with LEAD College of Management from 8.05.2023 to 9.05.2023

- Mr. S.Vijayakumar, Assistant Professor of Catering Science and Hotel Management participated in the "Ikebana Floral Workshop" organized by the Department of Hospitality Management and Catering Technology at Garden City University in association with Ikebana International, Bangalore Chapter on 8.05.2023
- Mr. M.Venkateswaran, Assistant Professor of Catering Science and Hotel Management participated in the "Ikebana Floral Workshop" organized by the Department of Hospitality Management and Catering Technology at Garden City University in association with Ikebana International, Bangalore Chapter on 8.05.2023

## STUDENTS PARTICIPATION

- Twelve students participated in the National Level Workshop on "Cocktail & Flaring" organized by the Department of Catering Science and Hotel Management, Hindusthan College of Arts and Science, Coimbatore on 1.09.2022
- Twelve students from II B.Sc. CS & HM and six students from III B.Sc. CS & HM attended the "12th Hospitality Job Fair-2023" organised by Hoteliers talk at St. Thomas College of Arts and Science, Chennai on 4.03.2023
- Twenty four students participated in the "Ikebana Floral Workshop" organized by the Department of Hospitality Management and Catering Technology, Garden City University in association with Ikebana International, Bangalore Chapter on 8.05.2023
- Twenty four students participated in the International Conference on "Global Shift in Hospitality Sector Emphasizing on Accommodation, Food and Beverage, Food Nutrition and Technology" organized by the Department of Hospitality Management and Catering Technology, Garden City University in association with LEAD College of Management between 8.05.2023 and 9.05.2023

## STUDENTS ACHIEVEMENTS



- Mr. R.Manikandan of III B.Sc. and V.V.Pranav of II B.Sc. Catering Science and Hotel Management won the Runner-up in Volleyball Men's event in the State Level Invitation Volleyball Tournament, held at Kovilpatti between 10.09.2022 and 11.09.2022
- Mr. R.Manikandan of III B.Sc. and V.V.Pranav of II B.Sc. Catering Science and Hotel Management bagged the Runner- up in Volleyball Men event in the State Level Invitation Volleyball Tournament, held at Dharapuram, Tirupur from 24.09.2022 to 26.09.2022
- Mr. R.Manikandan of III B.Sc. and V.V.Pranav of II B.Sc. Catering Science and Hotel Management won the Volleyball Men event in the Bharathiar University Inter-Collegiate Zone - A Tournament, held at Kongunadu Arts and Science College, Coimbatore on 18.11.2022
- Mr. R.Manikandan of III B.Sc. and V.V.Pranav of II B.Sc. Catering Science and Hotel Management won Second place in the Volleyball Men's event in the Bharathiar University Inter- collegiate Zone A Tournament, held at Dr.N.G.P Arts and Science College between 25.11.2022 and 26.11.2022
- Mr. R.Manikandan of III B.Sc. Catering Science and Hotel Management has won the Volleyball Men event in Kashi Tamil Sangamam (SAI) Volleyball Championship at Kashi, Uttarpradesh from 13.12.2022 to 16.12.2022
- Mr. R.Manikandan of III B.Sc. and V.V.Pranav of II B.Sc. Catering Science and Hotel Management attained the Runner- up in Volleyball Men event in the Coimbatore District Level Volleyball Championship held at Irugur, Coimbatore from 17.02.2023 to 19.02.2023
- Mr. R.Manikandan of III B.Sc. and V.V.Pranav of II B.Sc. Catering Science and Hotel Management won the Volleyball Men event in the Chief Minister Trophy Volleyball Men Tournament held at Karpagam University , Coimbatore from 17.02.2023 to 19.02.2023
- Mr. R.Manikandan of III B.Sc. Catering Science and Hotel Management won the Beach Volleyball Men event in the Chief Minister Trophy Beach Volleyball Men Tournament held at R.N.Ossford CBSC School, Pandamangalam, Namakkal on 2.03.2023
- Mr. R.Manikandan of III B.Sc. Catering Science and Hotel Management bagged the Runner-up in the Volleyball Men event in Saurashtra Tamil Sangamam Invitational Tournament held at Bhavnagar, Gujarat between 22.04.2023 and 23.04.2023







# Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

Approved by Government of Tamil Nadu & Accredited by NAAC with 'A++' Grade (3rd Cycle - 3.64 CGPA)

Dr. N.G.P.-Kalapatti Road, Coimbatore - 641 048, Tamil Nadu, India.

Website: [www.drngpasc.ac.in](http://www.drngpasc.ac.in) | Email: [info@drngpasc.ac.in](mailto:info@drngpasc.ac.in) | Phone: +91-422-2369100