

**K.M.G. COLLEGE OF ARTS AND SCIENCE,  
GUDIYATTAM.**



**P.G. AND RESEARCH DEPARTMENT OF CHEMISTRY  
ANNUAL REPORT [2022-2023]**

## ANNUAL REPORT [2022-2023]

### ACADEMIC ACHIEVEMENTS:

Results Produced by all classes of our department in the academic year (2021-2022 Even Semester):

II M.Sc. Chemistry – 67%

I M.Sc. Chemistry – %

III B.Sc. Chemistry – 98%

II B.Sc. Chemistry – %

I B.Sc. Chemistry – 100%

### QUIZ PROGRAMME

P.G. and Research Department of Chemistry was organized, a **QUIZ PROGRAMME** in **CHEMISTRY**, for the celebration of “**YOUTH AWAKENING DAY-2022** - on 14.10.2022. From our department students, six teams had participated in the programme. The first three teams were awarded with momentums. Dr. M.S SIVAKAMI., P.G. and Research Department of Chemistry, Welcomes the gatherings, our respected principal Dr. M. SENTHILRAJ has given the presidential address and distributed the prizes to the winning teams. Mr. B. BALAJI, and Mr. V. UMAMAGESHWARAN both the faculties regularized the QUIZ programme.

### NATIONAL LEVEL SEMINAR

The PG & Research Department of Chemistry organized National level seminar on “**RECENT ADVANCES IN CHEMISTRY**” on 23-08-2022. Dr. P.GANDEEPAN, Assistant Professor, Department of Chemistry, IIT Thirupathi, Andra Pradesh, as the resource person delivered a special lecture on "C-H Activation : An Emerging Trend in Organic Synthesis" and Dr. J. MADHAVAN, Associate Professor, Thiruvalluvar University, Vellore, delivered a special

lecture on " Energy and Environmental Applications of Nanomaterials". As many as 48 students and 01 faculty member from 05 colleges participated in this National level seminar.

#### **OUT-CAMPUS ACHIEVEMENTS:**

- Our faculty Dr. S. Praveen Kumar was attended the Regional Meet organized by Institution Innovation Cell (IIC) Division of Education department, Govt. of India (MHRD) at Bengaluru on 16.08.2022.
- Our faculty Dr. S. Praveen Kumar presented his research article entitled as **“DETERMINATION OF URIC ACID USING Mn(II) SCHIFF BASE COMPLEX MODIFIED GCE”** in **“INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN MEDICINAL CHEMISTRY (CTMC-2023)”** on **24<sup>th</sup> and 25<sup>th</sup> of January, 2023**, organized by Saveetha Dental College & Hospital, Saveetha Institute of Medical and Technical Sciences (SIMATS) Saveetha University, Chennai, Tamil Nadu.
- Our faculty Mr. B. Balaji presented his research article entitled as **“DETECTION OF DOPAMINE BY USING Cr(III) SCHIFF BASE COMPLEX MODIFIED GCE”** in **“INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN MEDICINAL CHEMISTRY (CTMC-2023)”** on **24<sup>th</sup> and 25<sup>th</sup> of January, 2023**, organized by Saveetha Dental College & Hospital, Saveetha Institute of Medical and Technical Sciences (SIMATS) Saveetha University, Chennai, Tamil Nadu.
- Our faculty Mr. E. Jagan presented his research article entitled as **“DEVELOPMENT OF ZINC OXIDE CRYSTAL BY SIMPLE SOL GEL METHOD”** in **“INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN MEDICINAL CHEMISTRY (CTMC-2023)”** on **24<sup>th</sup> and 25<sup>th</sup> of January, 2023**, organized by Saveetha Dental College & Hospital, Saveetha Institute of Medical and Technical Sciences (SIMATS) Saveetha University, Chennai, Tamil Nadu.

- Our faculty Mrs. K. Gandhimathi presented his research article entitled as **“SYNTHESIS, CHARACTERIZATION OF COPPER OXIDE USING CATHARANTHUS ROSEUS FLOWER EXTRACT AND ITS PHOTOCHEMICAL APPLICATIONS”** in **“INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN MEDICINAL CHEMISTRY (CTMC-2023)”** on **24<sup>th</sup> and 25<sup>th</sup> of January, 2023**, organized by Saveetha Dental College & Hospital, Saveetha Institute of Medical and Technical Sciences (SIMATS) Saveetha University, Chennai, Tamil Nadu.
  
- Our faculty Mr. V. Umamageshwaran presented his research article entitled as **“GROWTH OF NICKEL OXIDE SINGLE CRYSTAL THROUGH HYDROTHERMAL METHOD”** in **“INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN MEDICINAL CHEMISTRY (CTMC-2023)”** on **24<sup>th</sup> and 25<sup>th</sup> of January, 2023**, organized by Saveetha Dental College & Hospital, Saveetha Institute of Medical and Technical Sciences (SIMATS) Saveetha University, Chennai, Tamil Nadu.
  
- Our Student Mr. J. Parthiban presented his project work entitled as **“MICROWAVE ASSISTED SYNTHESIS, CHARACTERIZATION AND PROTEIN BINDING STUDIES OF CO(II) SALEN DERIVATIVE SCHIFF BASE COMPLEX”** in **“INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN MEDICINAL CHEMISTRY (CTMC-2023)”** on **24<sup>th</sup> and 25<sup>th</sup> of January, 2023**, organized by Saveetha Dental College & Hospital, Saveetha Institute of Medical and Technical Sciences (SIMATS) Saveetha University, Chennai, Tamil Nadu.
  
- Our Student Mr. S. Balaji presented his project work entitled as **“GREEN SYNTHESIS OF COBALT OXIDE NANOPARTICLES USING ELIPTA PROSTRATA LEAF EXTRACT AND ITS PHOTOCHEMICAL APPLICATIONS”** in **“INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN MEDICINAL CHEMISTRY (CTMC-2023)”** on **24<sup>th</sup> and 25<sup>th</sup> of January, 2023**, organized by Saveetha Dental College & Hospital, Saveetha Institute of Medical and Technical Sciences (SIMATS) Saveetha University, Chennai, Tamil Nadu.

- Our Student Mr. S. Praveenraj presented his project work entitled as **“SYNTHESIS, CHARACTERIZATION AND ELECTROCHEMICAL STUDIES OF COBALT(II) SCHIFF BASE”** in **“INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN MEDICINAL CHEMISTRY (CTMC-2023)”** on **24<sup>th</sup> and 25<sup>th</sup> of January, 2023**, organized by Saveetha Dental College & Hospital, Saveetha Institute of Medical and Technical Sciences (SIMATS) Saveetha University, Chennai, Tamil Nadu.
- Our Student Ms. U. Saipriya presented his project work entitled as **“GREEN SYNTHESIS, CHARACTERIZATION AND PROTEIN BINDING STUDIES OF MANGANESE(II) SCHIFF BASE COMPLEX”** in **“INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN MEDICINAL CHEMISTRY (CTMC-2023)”** on **24<sup>th</sup> and 25<sup>th</sup> of January, 2023**, organized by Saveetha Dental College & Hospital, Saveetha Institute of Medical and Technical Sciences (SIMATS) Saveetha University, Chennai, Tamil Nadu.
- Our faculty Mr. V. Umamageshwaran, participated a two days Faculty Development Programme, for **“Nan Muthalvan Scheme”**, on **9<sup>th</sup> & 10<sup>th</sup> February 2023**, organized by Thiruvalluvar University, Vellore, Tamil Nadu.
- Our faculty Mr. V. Umamageshwaran and 17 II M.Sc., Chemistry students, participated a State level Seminar on **“”**, on **23<sup>rd</sup> January 2023**, organized by Department of Chemistry, Islamiah College, Vaniyambadi, Tamil Nadu.
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**100% ATTENDANCE SECURED BY STUDENTS:**

Most of our department students, both UG and PG secured 100% attendance