



**ST. JOSEPH'S COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)
CUDDALORE-607001**



PG & RESEARCH DEPARTMENT OF CHEMISTRY

Chemistry Association 2018-2019

The principal goals of the association are to increase contact among chemistry students in the intention of developing a passion for the science through events like as lectures, seminars, workshops, and quizzes, as well as outreach to industrial sites. The association provides a platform for students to engage in activities that will instil a strong interest in the subject through participation in class, laboratory, and other events. Association in-charge: Asst. Prof. Mr. S. Albert Nikson (Shift-I) and Dr. D. Bhakiaraj (shift-II)

1. Inauguration of Chemistry Association (2018-2019)

On July 5, 2018, the Association was inaugurated by Dr. G. BOOPATHY, Head of the Department of Chemistry at Arignar Anna Government Arts College in Villupuram.

The gathering was welcomed by Mr. A. Amalorpavadoss, Head of the Department of Chemistry. He encouraged everyone to get involved in the association and benefit from it. The importance of the association was explained by Mrs. Jayanthi Ravichandran, Head, Department of English, Dean of Studies (Shift II). She congratulated the association well and encouraged the participants to make the most of their experience at St. Joseph's College academically.



2. Guest Lecture -1

A seminar on "INCIDENTS BEHIND INVENTIONS" was organised to spark students' intellectual curiosity. Dr. G. BOOPATHY, Head, Department of Chemistry, Arignar Anna Government Arts College, Villupuram, was handled the session. It was fascinating, inspirational, and eye-opening to take a fresh look at research and inventions for the next generation of researchers.

3. Chemistry Research Laboratory Inauguration

Rev. Fr. Secretary inaugurated the Research laboratory on 29th June, 2018. He was accompanied by the Principal, Vice principal, Controller of the examinations, Dean of studies, Dean of studies Shift II, Head, Department of Chemistry, Heads of other departments and other faculty members of the Department.

The Research laboratory is now fully functional and is well equipped to process and provide reporting on synthesis of Organic and Inorganic molecules and complexes. It is also had teaching facility and advance facilities for research activities. Furthermore, the primary facilities rotary evaporator, UV- chamber for TLC, pH meter and etc.



4. Extension activity carried out under Swachh Bharat Internship Programme

Title of the Extension Activity : Cleaning the public places

Date : 02.07.2018

Venue : GunduUppalavadi , Cuddalore

The PG & Research department of Chemistry has conducted Tree Plantation Programme on 02.07.2018 at GunduUppalavadi, Cuddalore. The programme was headed by Ms.B.Christina, Asst.Professor of Chemistry with 10 students of I B.Sc. Chemistry. With brooms, buckets, bleaching powder they cleaned both the sides of the road and in the village also they continued their cleaning. Watching the clean surroundings the local people became so happy that they gave words to maintain such kind of cleanliness all the time of the year. The students also told them about the benefits of cleanliness. At the end of the day the students became very tired, but one could find beautiful smiles on their faces as they felt proud to do something positive with their own hands for society.



Students were cleaning the Mariyamankoil Street

5. REPORT ON GUEST LECTURE- (29.08.2018)

On the 29th of August 2018, the association held a one-day seminar and interactive session on the topic "Introduction to Pharmaceutical Industry and Drug Discovery" with an expert Dr. K Narasimhan—Manager and Head, Training and Development Division, Orchid Pharma Limited, Alathur, Chennai, who has vast experience in exploring the possibilities of interdisciplinary research in the field of Pharmaceutical chemistry.



He spoke about the pharmaceutical sector and the inelastic demand for drugs, as well as the contribution of the pharmaceutical industry's geographical diversification to the nation's growth. The pharmaceutical industry was already doing far better than the entire economy, which was growing at a faster rate. The pharmaceutical industry has been on a steady upward track in recent years, demonstrating resistance to the effects of the financial crisis. It was a great suggestion for future involvement in the field for the youngsters.

6. INDUSTRIAL VISIT (22.09.2018)

An Industrial visit was organised for III-B.Sc. Chemistry students on 22.09.18 to EID Parry (I) Ltd., Nellikuppam.



7. POSTER PRESENTATION- (11.12.2018)

On December 11th, 2018, a student poster presentation competition was held. The entire event was carried out with passion and excitement. Every team came forward with new ideas and innovation. It was a well-balanced mix of technology and their implications. As a special guest, Dr. P. Thenmozhi, Assistant Professor and Head of the Department of Zoology, was invited. Dr. P. Thenmozhi questioned the students about their creative presentation's objective. She commended the attendees' vibrant presentation as well as their enthusiastic engagement. The organisers complimented them for their attendance, which energised all of the teams and allowed everyone to engage fully. She graded all of the teams on a variety of factors, including Creativity, Demonstration, and Discipline. After a very close call with perfect scores in 2 posters, winners were picked based on comments from the judge. The winners of this year's poster competition were:

1. D. K. Raman (A17CDH41) For UG
2. Jayasri (A17MCH) For PG



8. DEPARTMENTAL TOUR

The Department of Chemistry organised an One - Day Tour for the Shift-II students on 13.01.2019. To Queensland Chennai. Totally 44 Students from III, II & I –Year Came for the tour Accompanied by 4 Staff Members.



9. Department Quiz Competition (23.01.2019)

On the 23rd of January, 2019, our department held a successful In-House Quiz competition for the students. The students were engaged for one hour in a three-round competition that included objective questions with alternatives, buzzer round, and audio-visual round. The students demonstrated their brilliance by answering the questions quickly. Despite the fact that some of the questions were really difficult, the teams attempted to answer them confidently.

The winners are,

1. Arjun V (A17MCH03)
2. Tamil Selvam P (A16CHD53)
3. Thennarasu T (A16CHD54)



10. Report on National Conference

Title of the Event	National Conference on 'Recent Advances in Chemistry' (RAC-2019)
Date and Time	08.03.2019 – 9:00 AM to 5:00 PM
Venue	M.A.Ratchagar Hall
Resource Persons: Session-I	Dr.G.Sekar, Professor, Department of Chemistry, Indian Institute of Technology-Madras, Chennai - 600 036. Topic : Asymmetric Synthesis: Synthesis of Chiral Alcohols
Session-II	Dr.K.Gopu, Manager, Anthem Biosciences Pvt. Ltd., Bangalore - 560 099. Topic : Innovative Retrosynthetic methods.
Session-III	Dr.V.Venkataramasubramanian, Assistant Professor of Chemistry and Bioscience, Srinivasa Ramanujan Centre (SRC), SASTRA Deemed to be University, Kumbakonam - 612 001. Topic : Asymmetric Synthesis through Enamine and Cation Binding Catalyses.

The PG & Research Department of Chemistry, organised a one day National Conference on 'Recent Advances in Chemistry' (RAC-2019) on 08-03-2019, Friday.

Three Resource persons were invited to give their lectures and we have received 29 Abstracts about various research activities from the participants.

The Conference starts with an inaugural function Mr. T. Antony Sandosh, Head of the department welcomed the gathering, followed by an Invited Lecture-1 by **Dr.G.Sekar**, Professor, Department of Chemistry, Indian Institute of Technology-Madras, Chennai - 600 036 on the topic "*Asymmetric Synthesis: Synthesis of Chiral Alcohols*"



Dignitaries On The Stage



Session Handled by the Resource Person

After the tea break, the Invited Lecture-2 was delivered by **Dr.K.Gopu**, Manager, Anthem Biosciences Pvt. Ltd., Bangalore - 560 099 on the topic, “*Innovative Retrosynthetic methods*”.

After lunch break the Oral and Poster presentations were delivered by the participants and the judges selected the prize winning best presentations in both Oral and Poster Presentations.

Followed by an Invited Lecture-3, delivered by **Dr.V.Venkataramasubramanian**, Assistant Professor of Chemistry and Bioscience, Srinivasa Ramanujan Centre (SRC), SASTRA Deemed to be University, Kumbakonam - 612 001 on the topic, “*Asymmetric Synthesis through Enamine and Cation Binding Catalyses*”.

The conference ends with a valedictory function, in which the top three best presentations in both Oral and Poster presentations were honoured with certificates. In the same function the valedictory of the Chemistry - Association activities for the academic year 2018-2019 was arranged and the report were given by the association Co-Ordinators of Shift-I and Shift-II about the activities done during the academic year 2018-2019.



Session Handled by the Resource Person



Photo session of valedictory Function

**National Conference on
"RECENT ADVANCES IN CHEMISTRY"**



REGISTRATION FORM

Name : _____
 Designation : _____
 Address for Communication : _____

 Mobile : _____
 E-mail : _____
 Whether presenting Paper/ Poster : Yes/ No
 If Yes, title of the Paper/ Poster : _____

Registration Fee Details :
 Category : Student / Research Scholar / Faculty / Industrialists
 Name of the Bank : DENA BANK
 Name : THE SECRETARY ST.JOSEPH COLLEGE
 COLLEGE DEPARTMENT SEMINARS AND MEET
 Account No : 163010040727
 FSC : BKDN0621630
 Branch : Cuddalore

Face : _____
 Date : _____
 Signature : _____

Registration can be made in advance by
 E-mail : sjccchd@gmail.com

CHIEF PATRON
 Rev. Fr. G.PETER RAJENDIRAM
 Secretary, St. Joseph's College of Arts & Science (Autonomous)

PATRON
 Dr. S.CHINNAPPAN
 Principal

Mr. M.ARUMAISELVAM
 Vice-Principal

Rev. Fr. Dr. S.XAVIER
 Controller of Examination

Rev. Fr. A.ALEX
 Dean of Studies

Mrs.JAYANTHII RAVICHANDRAN
 Dean of Studies Shift II

INVITED SPEAKERS

Dr. G. SEKAR
 Professor, Department of Chemistry
 Indian Institute of Technology, Chennai.

Dr. K. GOPU
 Manager, Anthem BioSciences, Bengaluru.

Dr. V.VENKATRAMASUBRAMANIAN
 Assistant Professor of Chemistry and BioScience,
 Srinivasa Ramanujan Centre (SRC),
 SASTRA Deemed to be University, Kumbakonam.

CONVENER
 Mr. T. ANTONY SANDOSH
 Head, PG & Research Department of Chemistry


ORGANIZING SECRETARIES
 Mr. S. ALBERT NIKSON
 Dr. D. BHAKIARAJ

ORGANIZING COMMITTEE
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 Mr. G. Anand, Ms. B. Christina, Mr. S. Richard Rajkumar, Mr. F. Paul Arokaldoss,
 Mr. S. Immanuel, Mr. K. Vengadesan, Dr. S. David Amalraj, Dr. C. Adakalaraj


CONTACT DETAILS
 Organizing Secretaries,
 PG & Research Department of Chemistry,
 St. Joseph's College of Arts & Science (Autonomous),
 Cuddalore - 607001, Tamilnadu, India
 Mobile : +91 8610209993, +91 9746978619
 e-mail : sjccchd@gmail.com

**ST. JOSEPH'S COLLEGE OF
ARTS & SCIENCE (AUTONOMOUS)**
 CUDDALORE-1

A Minority Institution, Re-accredited by
 NAAC with "A" Grade (3rd cycle)
 Recognised u/s 2(f) & 12 (B) of the UGC Act, 1956
 Manjakkuppam, Cuddalore - 607 001.
 Web : www.sjctnc.edu.in



**National Conference on
"RECENT ADVANCES IN CHEMISTRY"
08th March 2019**



Organized by :
**PG & Research Department of Chemistry
St. Joseph's College of Arts & Science
(Autonomous) Cuddalore -1**
 E. mail : sjccchd@gmail.com

ABOUT THE INSTITUTION

ST. JOSEPH'S COLLEGE OF ARTS AND SCIENCE was established in the year 1991 by the South Arcot Diocesan Corporation a unit of Roman Catholic Archdiocese of Pondicherry and Cuddalore. It is situated in Cuddalore which is the headquarters of Cuddalore District. It was established to cater to the higher educational needs of the socially and economically challenged people of Cuddalore and Villupuram Districts. It was affiliated to the University of Madras from 1991 to 2002 and later the College was affiliated to Thiruvalluvar University, Vellore. The College has been included under section 2(f) & 12(B) of the UGC Act 1956. And the College obtained permanent affiliation and was conferred Autonomous Status in 2006. It has been accredited by the NAAC with "A" Grade with CGPA 3.31 (3rd Cycle). The college offers 14 Under Graduate, 11 Post Graduate, 9 M.Phil. and 6 Ph.D. programmes under Arts, Science and Commerce disciplines.

ABOUT THE DEPARTMENT

The Department of Chemistry was established in the year 1991 by offering the Under Graduate programme in B.Sc. Chemistry for boys in Shift I. The department was added with B.Sc. Chemistry in Shift II exclusively for girl students in the year 1995. M.Sc. Chemistry and Research Programmes were introduced in the years 2002 and 2009 respectively. The department was established with a view of fostering scientific temper among the students and to develop independent thinking. It has a good infrastructure with spacious laboratories equipped with modern equipments exclusively for UG, PG and Research programmes. The department is supported by an excellent team of teaching and non-teaching faculty. The department strives hard to impart the practical knowledge among the young minds by having Synthetic organic chemistry, Nanotechnology, Polymer chemistry, Phytochemistry, Supramolecular chemistry, Computational chemistry, and Environmental Chemistry as its thrust areas. It has a vital focus on research and encourages its teaching faculty and scholars to concentrate on research and has published a good number of research articles in recognized scientific journals.

ABOUT THE NATIONAL CONFERENCE

The aim of the National Conference(RAC'19) is to bring together the academicians, scientists, research scholars and students from universities and colleges to exchange the scientific thoughts and ideas and to expose the novel experimental and theoretical techniques in the field of chemistry

THRUST AREAS :

- Synthetic Organic Chemistry
- Solid State & Surface Chemistry
- Nano Chemistry & Biomaterials
- Polymer Chemistry
- Phytochemistry
- Green chemistry
- Supramolecular Chemistry
- Electro Chemistry
- Computational Chemistry
- Crystallography
- Bio-inorganic & Bio-organic Chemistry
- Organometallic Chemistry
- Environmental Chemistry

GUIDELINES FOR PREPARING ABSTRACT

The Participants who contribute (oral/poster) research paper in the conference are requested to send their abstract in advance in the prescribed format :Title of the Paper, Authors' Name and Affiliations, Corresponding author's e-mail Id & Mobile number. The abstract should not exceed 300 words. It should be typed in MS word (Times New Roman 12 with 1.5 line spacing with 1 inch margin on all sides) Inclusion of figures inside the abstract is appreciable. Participants are asked to send their abstract through e-mail : sjccchd@gmail.com

ORAL POSTER PRESENTATION

Facilities are arranged for both oral and Poster presentation. Area for Poster presentation '3 ft x 3 ft' is provided. Merit certificates will be issued for the best oral and Poster presentations.

REGISTRATION

All the participants must register their names by using the registration form enclosed in the brochure (or) by email.

REGISTRATION FEES

Students	: ₹ 400
Research Scholars	: ₹ 500
Faculty and Industrialists	: ₹ 500

IMPORTANT DATES :

Last date for the submission of abstract	: 01-03-2019
Last date for the submission of full paper	: 05-03-2019
Last date for registration	: 05-03-2019

NATIONAL ADVISORY COMMITTEE

Dr. R. VENKATESAN
Pondicherry University, Puducherry

Dr. M. SEKAR
Govt Arts College, Chidambaram

Dr. K. DHINAKARAN
Thiruvalluvar University, Vellore

Dr. D. THIRUMALAI
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Dr. KISHORE MOHANAN
Senior Scientist, Medical and Process Chemistry
Division CDRI, Lucknow

Dr. S. JANCY SOPHIA
CRN College, Cuddalore

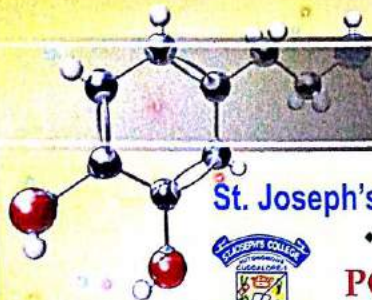
Dr. C.L. EDISON RAJ
Anighar Anna Govt. Arts College, Villupuram

Mr. A. DANIEL AROQUIARAJ
Anighar Anna Govt. Arts College, Villupuram

Dr. S. MANNATHAN
SRM University Amaravati,
Guntur, Andhra Pradesh

Dr. L. SIVACHANDIRAN
SRM University, Chennai

National Conference on Recent Advances in Chemistry- Pamphlet



National Conference on Recent Advances in Chemistry

St. Joseph's College of Arts & Science (Autonomous), Cuddalore - 607 001

◆ Recognised u/s 2(f) and 12(B) of UGC Act, 1956 ◆ Re-Accredited by NAAC with 'A' Grade (3rd Cycle) ◆



PG and Research Department of Chemistry



Certificate

This is to certify that Mr. / Ms. / Dr. CHANDRA JEKHA . M of
BE. CIVIL has actively Participated /
Presented Paper / Presented Poster entitled APPLICATION OF SYNTHETIC DYE WASTE
IN CIVIL ENGG in the National Conference on Recent Advances
in Chemistry (RAC '19) on 8th March, 2019, organised by PG and RESEARCH DEPARTMENT OF CHEMISTRY,
St. Joseph's College of Arts & Science (Autonomous), Cuddalore - 1, Tamil Nadu.

Mr. T. Antony Sandosh
Head

Dr. S. Chinnappan
Principal

Rev. Fr. G. Peter Rajendiram
Secretary



Participant Certificate