

DEPARTMENTAL ACTIVITIES:

S. No	Date of the Event	Title of the Workshop/Seminar/Webinar/FDP	Category (National/International/State)	Name of expert(s) invited along with name of Institution(s)
1	19/12/2020	Lecture on Chemists view of Oral Biology	National	Dr. Narayanan Ramasubbu, Prof of Oral Biology, Rutgers School of Dental Medicine, USA
2	28/02/2020	“Women in Science” National Science day	National	Dr. Vanitha Kumari, Corrosion science and technology division, IGCAR, Kalpakkam
3	27/01/2020	<u>Workshop</u>  1. 1. Applications of Organic Spectroscopy with Stereochemical aspects	State	Prof. P. S. Kalsi, Shoolini University, Himachal Pradesh
4		2. 2. Combined Spectral Applications for structural determination-A problem solving approach		Dr. K. Geetha, Associate Professor and Head, PG and Research Department of chemistry, Muthurangam Govt Arts college, Vellore, Tamilnadu
5	04/12/2019	Annual Chemistry Meet “QUANTA”	State	Director, Indiragandhi centre for Atomic Research (IGCAR), Kalpakkam, Tamil nadu

6	13/2/2019 & 14/2/19	<u>Workshop</u> 1. Organic Synthesis methods and Strategies	State	Prof. K. K. Balasubramanian Indian National Science Academy, Department of Biotechnology, Indian Institute of technology-Madras
7		2. Retrosynthetic Analysis –Basic disconnections		Dr. S. Swarnalakshmi Former Associate Professor, Department of chemistry, Gurunanak college, Chennai
8		3. Umpolung Synthetic Strategies		Prof. A. Indrapal Singh Department of chemistry, IIT-M, Chennai
9		4. Protection and Deprotection of functional groups in organic synthesis		Prof.S. Velmathi Department of chemistry, National Institute of technology, Trichy
10		5. Chemo, Regio and Sterioselectivity and specificity		Prof. Sundarababu Baskaran, FASc, Department of chemistry, IIT-M, Chennai
11		6. Synthesis of some important target molecules and ring systems.		Dr. V. Sivamurugan Department of chemistry, Pachaippa's College

12		7. Review of problems in synthetic methodology		Dr. S. Swarnalakshmi Former Associate Professor, Department of chemistry, Gurunanak college, Chennai
13	10/12/2018	Annual Chemistry Meet “QUANTA”	State	Dr. T. O. Varghese Chief manager (Technical) & Principal, CIPET, Chennai
14	12/02/2018 & 13/02/2018	<u>Conference</u> Recent Advances in Material Science and Technology (NCRAMST-2018)	National	
15		1. “Excitement in Nano science and Technology”		Dr. B. S. Murty Professor and Head, Department of Metallurgical and Materials Engineering, IIT Madras
16		2. “challenges and Opportunities in Olefin polymerization”.		Dr. Samir H. Chikkali Senior Scientist and Assistant professor, Polymer science and Engineering Division, CSIR-National Chemical Laboratory, pune
17		3. “Materials characterization: Understanding materials behavior at the fundamental level”		Dr. Swarnagowri Addopalli Centre for Nanoscience and Engineering, Indian Institute of Science, Bangalore

18		“Nano devices for Biomedical Applications		Prof. Kuruvilla Joseph Senior Professor and Dean (SA), Department of Chemistry, Indian Institute of Space Science and Technology, Department of Space, Government of India, Thiruvananthapuram, Kerala
19		4. “Cobalt Computational insights based molecular electrocatalyst for hydrogen production”.		Dr. Madhavan Jaccob DST Inspire Faculty Fellow, Assistant Professor, Department of Chemistry, Loyola College
20		5. “Advances in s for polymer Electrolyte Fuel Cells”.		Dr. Akhila Kumar Sahu, CSIR-CECRI, Chennai centre, Assistant professor, CSIR campus, Taramani
21	11/12/17	Annual Chemistry Meet “QUANTA”	State	Dr J. Raghava rao Chief scientist Head, Chemical Lab, CLRI
22	2/3/17	<u>SEMINAR</u> Computational Chemistry “Basic Concepts and applications of Computational chemistry”	State	Dr. M. Jacob Department of chemistry, Loyola College

23	2/3/17	Theory of Electronic structure calculations and covalent in teractions- A computational view”	State	Dr. R. Vijay Solomon Department of chemistry, Madras Christian College.
24	2017	Guest Lecture - “Legal metrology framework for nanotechnology in Australia and internationally”	International	Dr. Shiela Devasahayam, Lecturer, Macquarie University, Australia
25	2016	State Level Workshop on “ C o m p u t a t i o n a l Chemistry”	State	-
26	1/9/2016	Quanta 2016-chemistry Association	State	Dr. C. Muralidharan Chief Scientist, CSIR, CLRI, Chennai

#### SPORTS

Name of the Candidate	Games	State/ National/ International	Place (I/II/III or Runner-Up)	Year
<b>T.Thavamani</b>	1.South zone held at DB Jain College 2.All India tournament held at DB Jain College 3. CM Trophy held at Nehru Stadium	State	3rd Place Winner Cash Prize Rs.75, 000	2015-2016

<b>M.Sai Shruthi</b>	1. Sate level Interuniversity Table Tennis Tournament 2. South zone held at DB Jain College 3. All India tournament held at DB Jain College 4. Sate level Interuniversity Table Tennis Tournament	State	3rd Place Winner Cash Prize Rs.10, 000	
<b>R.Pavithra</b>	1. State meet, University meet (5000 mts walk) 2. All India meet (5000 mts walk)	State	All India participated award and Junior state championship award.	
<b>T.Thavamani</b>	1. National level inter-collegiate tournament held at Chennai. 2. BHATT Memorial tournament held at Chennai. 3. Buck memorial sports festival held at Chennai. 4. South Zone Inter University Football Tournament	State	Winner	2016 - 2017
<b>R.Pavithra</b>	1. Junior state meet (10 km walk)	State	1 <sup>st</sup> Place	<b>2016-2017</b>
<b>E.Tamilzharsi</b>	1. 8 <sup>th</sup> Cado Fiesta	State	Best Cadet Award	<b>2016 - 2017</b>
<b>R.Pavithra</b>	10 Km walk - Junior State Championship		Gold Medal	

	Junior State Championship		Gold Medal	
	50Km walk A.L.Mudaliar Meet	State	Silver Medal	2017-2018
<b>G.Keerthana</b>	Throw Ball International Invitation	International	Winner	2018-2019
<b>M.Yamini Krishna and Nandhini</b>	“B” zone Cricket Tournament of University of Madras.		Runner up	
<b>Lokeshwari. S</b>	Throwball Espo Inter - Collegiate Tournament	State	First place	2019-2020
	Throwball VIBRANCE - National level Cultural and Sports	National	First place	

#### PLACEMENT DETAILS

Batch	No.of Students Placed	Company Name
2013 – 2016 (UG)	03	1. CTS 2. Sutherland 3. TCS
2014 – 2016 (PG)	02	1. India International Public School 2. The Scientific Publishing
2018 – 2019 (PG)	01	3. Biocon

2019 – 2020 (PG)	04	4. Kalyan Jewellers, Domex
2019 – 2020 (UG)	14	5. SITEL group, TNQ Technologies, CTS IT, Domex
2020 – 2021 (UG)	01	6. TCS
2020 – 2021 (PG)	03	7. Prompt personnel, Health plus, Domex

**ANY OTHER ACCOLADES:**

Presentation in Conferences /Symposiums by the students



<b>Name of the Student</b>	<b>Regional/ National/ International</b>	<b>Title of the article</b>	<b>Name of the conference</b>	<b>Date and Venue</b>
<u>R.Usha</u>	International	Facile synthesis of sulfonated graphene oxide from fructose for the dye degradation of organic dyes	International interdisciplinary virtual conference on “Breakthroughs and Approaches in contemporary	2021, PSGR, Department of Physics and Chemistry in collaboration with University of Dar es Salaam,
<u>Umamaheswari. R</u>	International	Design and Fabrication of hydrogel incorporated with copper nanoparticles loaded microsp sponge for antimicrobial and antioxidant activity	International Conference on Advances in Chemistry with specific reference to Catalysis, Sensors, Drug Delivery and Energy Materials	2020, Department of Physical Chemistry, University of Madras.
<u>Umamaheswari. R</u>	International	An historical overview on the use of pharmaceuticals from folk medicine towards the ultimate magic root of health benefit	International Multi-disciplinary conference on Biosphere Conservation- Emerging vistas in Science, Economics and in Tamil Literature (BEST -2020)	2020, Ethiraj College for Women
<u>Umamaheswari. R</u>	International	An Overview of Microsp sponge as drug delivery system	International Web Conference on Emerging Trends in Arts.	2020, DKIRF, Trichy

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<u>Umamaheswari. R</u>	International	Design and Fabrication of hydrogel incorporated with copper nanoparticles loaded microsp sponge for antimicrobial and antioxidant activity	International Conference on Advances in Chemistry with specific reference to Catalysis, Sensors, Drug Delivery and Energy Materials	2020, Department of Physical Chemistry, University of Madras.
<u>Umamaheswari. R</u>	International	An historical overview on the use of pharmaceuticals from folk medicine towards the ultimate magic root of health benefit	International Multi-disciplinary conference on Biosphere Conservation- Emerging vistas in Science, Economics and in Tamil Literature (BEST -2020)	2020, Ethiraj College for Women
<u>Umamaheswari. R</u>	International	An Overview of Microsp sponge as drug delivery system	International Web Conference on Emerging Trends in Arts.	2020, DKIRF, Trichy

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**Extension Services:**

- Preparation of washing powder (Surf type)
- Preparation of dishwasher (Sabeena type)
- Testing of Iodine content in rock salt was carried out in adopted village (Nemilicheri)
- Hands-on training sessions for school students in UG laboratory

**e) Research Scholarships\Fellowship received by our students:**

<b>S. No</b>	<b>Name of the Investigator and student</b>	<b>Title of the project and duration</b>	<b>Amount sanctioned</b>	<b>Funding Agency</b>
1.	E.Abinaya II B.Sc Chemistry 2018 -2019	Summer Fellowship programme at Jawaharlal Nehru Centre for Advance Science Research, Bengaluru – 3 years	Rs. 22000 /-	JNCASR
2.	Aishwarya S II B.Sc Chemistry 2019 -2020	Summer Research Fellowship Program conducted by Indian Academy of Science, Bangalore	RS. 25,00 0/-	IAS
3.	Valarmathy C II M.Sc Chemistry 2018-2020	Summer Research Fellowship Program conducted by Indian Institute of Technology, Gandhinagar	Rs.16000 /-	IIT
4.	Sundaravalli. N II BSc Chemistry 2018 -2019	Summer Research Fellowship Program conducted by JNCASR	Rs.20000 /-	JNCASR
5.	Umamaheswari. R Ph.D. Research Scholar	Sambuvarayar Endowment Scholarship by University of Madras - 2017	Rs. 10000 /-	UNOM
6.	Umamaheswari. R Ph.D. Research Scholar	Ranked 11 and received Full time Ph.D. Scholarship for three years by Tamilnadu Collegiate Education, Government of Tamilnadu.- 2017-2019	Rs. 1,56,000/-	TNDCE



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3.	Valarmathy C II M.Sc Chemistry 2018-2020	Summer Research Fellowship Program conducted by Indian Institute of Technology, Gandhinagar	Rs.16000 /-	IIT
4.	Sundaravalli. N II BSc Chemistry 2018 -2019	Summer Research Fellowship Program conducted by JNCASR	Rs.20000 /-	JNCASR
7.	Aswini. R Ph.D. Research Scholar	Fellowship for two years by ECRIC, Ethiraj College for Women- 2019-2021	Rs. 1,08,000/ -	ECRIC
8.	Umamaheswari. R Ph.D. Research Scholar	Fellowship for one and half years by ECRIC, Ethiraj College for Women- 2019-2021	Rs.88,00 0/-	ECRIC

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3.	Valarmathy C II M.Sc Chemistry 2018-2020	Summer Research Fellowship Program conducted by Indian Institute of Technology, Gandhinagar	Rs.16000 /-	IIT
4.	Sundaravalli. N II BSc Chemistry 2018 -2019	Summer Research Fellowship Program conducted by JNCASR	Rs.20000 /-	JNCASR
9.	Dr. S. Sudha Parimala (Principal Investigator) and Usha. R (Research fellow) (2019-2021)	Functionalization of graphene with heteroatom's of O, S, N by green method for pollution management and industrial applications - 2 years	Rs. Rs. 3,40,000/-  Research fellow Stipend Rs. 10000/- per month	TNSCS T

<b>S. No</b>	<b>Name of the Investigator and student</b>	<b>Title of the project and duration</b>	<b>Amount sanctioned</b>	<b>Funding Agency</b>
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2.	Aishwarya S II B.Sc Chemistry 2019 -2020	Summer Research Fellowship Program conducted by Indian Academy of Science, Bangalore	RS. 25,00 0/-	IAS
3.	Valarmathy C II M.Sc Chemistry 2018-2020	Summer Research Fellowship Program conducted by Indian Institute of Technology, Gandhinagar	Rs.16000 /-	IIT
4.	Sundaravalli. N II BSc Chemistry 2018 -2019	Summer Research Fellowship Program conducted by JNCASR	Rs.20000 /-	JNCASR
10.	Dr. S. Kothai (Principal Investigator) and Aswini. R (Research fellow) (2021-2023)	Novel Carbon-based polymer Nanocomposites for fuel cells - 2 years	Rs. 4,85,000/ -  Research fellow Stipend Rs. 10000/- per month	TNSCS T

### Community Activities of the student (2016-2021)

S.No	Activity	No of students involved					
		2013-2016	2014-17	2017-2020	2018-2021	2019-202	2020-2023
1	NSS	10	7	1	10	10	5
2	NCC	-	-				
3	Women Studies	26	11		2		2
4	Sports	-	6	3	2	2	
5	CSS	-	-			10	14
6	YRC	1	-		15	12	5
7	ROTARACT	48	30	45	41	48	35
8	RRC	-	-				
9	e-Club	10	1				23
10	SIFE	-	-				

### Achievements in Co-Curricular activities

#### 2017-2018

- ❖ B.Sivaranjani of I B.Sc Chemistry (2017-18) secured II prize in the poem writing competition on the Founders day.
- ❖ The March past team of the Department of Chemistry was placed third and won the prestigious trophy in the *Annual Sports meet* of our College held on 23<sup>rd</sup>February 2018.
- ❖ The final year Undergraduate and Post graduate students were on an *industrial tour* to Munnar and Idukki and visited Kannan Devan Tea factory.
- ❖ Our department final year UG students participated in various intercollegiate competitions and bagged various prizes in chem Tunes
- ❖ D. Ishwarya , B. Kanimozhi, J. Pavithra, P. Priya Dharshinie, R. Saraswathi won second prize at Loyola college and
- ❖ B.Kanimozhi and M. Priyanka won second prize in Cook without Fire at D.G. Vaishnav College.
- ❖ K. Kaviyaa, P.B. Malathi won first prize in Chem Connections
- ❖ K. Kaviyaa, P.B. Malathi, G. Nivetha and S. Preethi won second prize in adzap
- ❖ S.Venisha , R.Jayashree, B. Aadhirai won second prize in Rangoli

- ❖ Abinaya.E of II B.Sc won second prize in Powerpoint Presentation in the Chemfest held at SCP Jain College.

### 2018-2019

- ❖ S.Divya of III BSc Chemistry won a cash prize of Rs.5,000/- in the Intercollegiate essay writing competition conducted by Gurunanak College.
- ❖ B.Sivaranjani of II B.Sc Chemistry received first prize in ‘Street Theatre’ at “Pragati 2019” organized by JBAS College
- ❖ P.Madhumitha of II B.Sc Chemistry was awarded as “Community Service Director” by Rotaract Club of Ethiraj.

### 2019-2020

- ❖ Dhivya. G of II BSc Chemistry won 1st prize in the Essay writing competition in Gurushiksha conducted by the Gurunanak College and received a cash prize of **RS. 10000**
- ❖ Dhivya. G of II BSc Chemistry won second prize in the essay writing competition conducted in the Kaviyarasar Kannadhasan Vizha and received a cash prize of **RS. 3000**
- ❖ Sundaravalli . N of II BSc Chemistry won 2nd prize of **Rs. 6000** in Poetry writing competition in the event "Guru Shiksha 2019" by Guru Nanak College.
- ❖ Yamini Krishna of III BSc Chemistry won the KKB Quiz conducted by Loyola College and also received a cash prize of **RS. 400.**
- ❖ Shalini Palani of III BSc Chemistry won the International Space Science competition conducted by the GO4GURU.
- ❖ D. Priya of II MSc Chemistry cleared the NPTEL course on Bioinorganic Chemistry with **96% ( gold - top 5%) conducted by IIT Kanpur**
- ❖ D. Priya of II MSc Chemistry Cleared the NPTEL course on Infrared Spectroscopy for pollution monitoring with **77% (silver) conducted by the IISC Bangalore.**

### 2020-2021

- ❖ In the intercollegiate events conducted at MCC, Ms. Livatha Mohan, Ms. Poojashri.G.P., Ms. Vishnupriya.M and Ms. Narmadha Devi.T of I B.Sc. Chemistry secured 3<sup>rd</sup> place in Chem-tunes.
- ❖ Ms. Livatha Mohan and Ms. Poojashri.G.P, of I B.Sc. Chemistry got the 2<sup>nd</sup> place in the surprise event at MCC.
- ❖ At DG Vaishnav college, Ms. Livatha Mohan and Ms. Poojashri.G.P. of 1<sup>st</sup> B.Sc. Chemistry secured the 2<sup>nd</sup> place in Potpourri event.
- ❖ In the intercollegiate events conducted at SDNB Vaishnav College, Ms.

Livatha Mohan and Ms. Poojashri .G.P., of I B.Sc. Chemistry bagged the 2<sup>nd</sup> place in Chem Quiz.

- ❖ Ms. Livatha Mohan of I B.Sc. secured 1<sup>st</sup> place in Chem-collage and 2<sup>nd</sup> place in Chem-Jam at SDNB Vaishnav College, Chennai.
- ❖ At Stella Maris College, Ms. Poojashri.G.P. of I B.Sc. Chemistry secured 3<sup>rd</sup> place in JAM event.
- ❖ In the art event conducted by Rotaract club of Dhanalakshmi college of Engineering, Ms. Sneha. M of II B.Sc. Chemistry bagged the 2<sup>nd</sup> place. She also secured the 1<sup>st</sup> place in NSS singing competition and consolation prize in an art event.
- ❖ Ms. Kayalvizhi.N and Ms. Hemalatha.C of II B.Sc. Chemistry secured 3<sup>rd</sup> prize in quiz at SDNB Vaishnav College.
- ❖ In the quiz competition conducted by Anna Adharsh college for Women, Ms. Sundaravalli. N and Ms. Yogeshwari. M of III B.Sc. Chemistry secured 2<sup>nd</sup> place.
- ❖ Ms. Sundaravalli. N of III B.Sc. Chemistry got an AIR 282 in the Joint Admission Entrance Test conducted by Indian Institute of science, Bangalore.
- ❖ The students of the department of Chemistry have also participated in Inter-departmental events in the college and won prizes.
- ❖ In the Face Art competition conducted by N & D department, Ms. Livatha Mohan and Ms. Poojashri.G.P. of I B.Sc. Chemistry have secured 1<sup>st</sup> place.
- ❖ In Elocution competition conducted in the view of Science day, Ms. Poojashri.G.P. of I B.Sc. Chemistry bagged the 3<sup>rd</sup> place.
- ❖ Ms. Sinduja.M of III B.Sc. Chemistry secured II place in poster presentation competition at NUMERA 2021.

Apart from these, students have also enthusiastically enrolled in the certificate courses launched by National Programme on Technology Enhanced Learning and have completed them with flying colours.

- ❖ Ms. Tejasvini. S. R. of II B.Sc. Chemistry completed a course on “Basics in inorganic chemistry” with an overall score of 72% and also completed a NPTEL course on Co-ordination Chemistry.
- ❖ Ms. Kiruthigaa. S, Ms. Pooja. G, Ms. Lavanya. B and Ms. Divya. M of III B.Sc. Chemistry have completed a course on “Medicinal Chemistry” with an astounding, 94%.
- ❖ Ms. Hemamalini. S of III B.Sc. Chemistry completed a course on “Excel skills for Business” sponsored by our college on courser from Macquarie University, Australia.
- ❖ Ms. Sinduja. M of III B.Sc. Chemistry completed five courses sponsored by the college on courser on Artificial Intelligence, Public speaking and Cybersecurity.
- ❖ Mrs. Umamaheswari. R, Ph.D. Research Scholar, received “Best Research Scholar Award” by DK International Research Foundation and “Universal

Best Research Scholar Award” by International American Council for Research and Development.

- ❖ Ms. Aswini. R, Ph.D. Research Scholar, completed a distance learning education course on Intellectual property with an overall score of 82%.