****

**INTERNATIONAL CONFERENCE**

**ON**

**MODERN TRENDS IN CHEMICAL SCIENCES INCLUDING**

**GREEN CHEMISTRY**

**(MTCSGC - 2018)**

**27th to 29th December 2018**

**REPORT**

The Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Association of Chemistry Teachers (ACT), Mumbai and Rasayan Journal of Chemistry organized an International Conference on “**Modern Trends in Chemical Sciences Including Green Chemistry-MTCSGC 2018**” during 27th to 29th December 2018. Around 200 delegates including Professors, Scientists, Industrialists, Faculty Members, Research Scholars and Students from all over the world actively participated in this mega event.

**Day One (27-12-2018)**

**Inaugural Function**

|  |  |
| --- | --- |
| D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5126.JPG | D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5130.JPG |
| **Arrival of the Guests for Inaugural Function** | |
| D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5156.JPG | D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5225.JPG |
| **Lightning of the Kuthuvilakku by Chief Guest Prof. K.N. Ganesh-Director, IISER, Tirupati** | **Audience** |

|  |  |
| --- | --- |
| D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5255.JPG | D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5256.JPG |
| **Honoring the Guests** | |
| D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5228.JPG | D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5237.JPG |
| **Releasing of Souvenir** | **New Journal Launching-GP Globalize Research Journal of Chemistry** |
| D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5259.JPG | |
| **Life Time Achievement Award to Dr. S.K. Sharma, Editor, RJC** | |

The Chief Guest of the Inaugural function, **Prof. K.N Ganesh**, Director, IISER-Tirupati inaugurated the programme and in his inaugural address, he mentioned “Experiments are important to endear students to Chemistry”. The Guest of honor **Prof. N. Sathyamurthy**, President of Chemical Research Society of India and **Dr. D.C. Deka**, President of ACT addressed the gathering.

|  |  |
| --- | --- |
| D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5248.JPG | |
| **Inaugural Address by Chief Guest Prof. K.N Ganesh, Director, IISER-Tirupati** | |
| D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_7134.JPG | D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5213.JPG |
| **Guest of Honor, Prof. N. Sathyamurthy, President of CRSI**  **addressing the gathering** | **Dr. D.C. Deka, President, ACT**  **addressing the gathering** |

Earlier, Dr. V. Subbiah Bharathi, Director, SRMIST Ramapuram welcomed the gathering. Dr. N. Sethuraman, Registrar, SRMIST delivered a special address. Prof. D.V. Prabhu, Convener of MTCSGC-2018 and General Secretary of ACT detailed about the conference. Finally, Dr. Helen P. Kavitha, Convener of MTCSGC and Head, Department of Chemistry, SRMIST, Ramapuram gave vote of thanks.

|  |  |
| --- | --- |
| D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5168.JPG | D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5219.JPG |
| **Welcome Address by Dr. V. Subbiah Bharathi**  **Director, SRMIST Ramapuram** | **Special Address by Dr. N. Sethuraman,**  **Registrar, SRMIST, KTR** |
| D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5196.JPG | D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5243.JPG |
| **About the Conference by Prof. D.V. Prabhu,**  **Convener - MTCSGC 2018** | **Vote of Thanks by Dr. Helen P. Kavitha,**  **Convener - MTCSGC 2018** |

**Keynote Address**

Prof. K.N. Ganesh, Director, IISER, Tirupati delivered Keynote Address and then Prof. N. Sathyamurthy, President, Chemical Research Society of India and Honorary Professor, JNCASR, Bengaluru delivered a Keynote lecture on “The Chemical Bond”.

|  |  |
| --- | --- |
| D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5295.JPG | D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5329.JPG |
| **Keynote Address by Prof. K.N. Ganesh** | **Keynote Lecture by Prof. N. Sathyamurthy** |

**Invited Lectures**

There were many invited lectures by eminent scientists and professors on day one.Prof. Uday Maitra, IISc., Bengalurudelivered an invited talk on “Teaching Organic Chemistry in the 21st Century” and performed an interesting experiment. This was followed by Prof. S.B. Jonnalagada, University of KwaZulu-Natal, Durban, South Africa who talked about “ Green Principles and Catalysis for Synthesis and Water Treatment”. Third invited lecture was given by Prof. R. K. Sharma, Green Chemistry Network, University of Delhi regarding “New Developments in Green Chemistry” and then fourth lecture on “Friccohesity: Trend in Physicochemical Properties of Nanoemulsion” was given by Prof. Man Singh, School of Chemical Sciences, Central University of Gujarat, Gandhinagar.

|  |  |
| --- | --- |
| **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5353.JPG** | **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5381.JPG** |
| **Prof. Uday Maitra (IL – 1)** | **Prof. S.B. Jonnalagada (IL – 2)** |
| **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5400.JPG** | **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\27.12.18 1st day\DSC_5413.JPG** |
| **Prof. R. K. Sharma (IL – 3)** | **Prof. Man Singh (IL – 4)** |

**Oral Presentations**

25 research papers were presented by oral mode in parallel sessions on day one.

|  |  |
| --- | --- |
| **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\28.12.18 2nd day\DSC_5577.JPG** | **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\28.12.18 2nd day\DSC_5597.JPG** |
| **Oral Presentations by various participants** | |

**Day 2 (28-12-2018)**

**Invited Lectures**

On day two, there were seven invited lectures on various topics.. “Synthesis of Carbon Nanotubes by Flame Fragments Deposition–Advantages and Disadvantages” by Prof. Falah H. Hussein, University of Babylon, Babylon, Iraq; “Application of GCMS Technique for the Analysis of Narcotic Substances” by Prof. G. Ramakrishnan, President, Chromatographic Society of India, Mumbai; “Synthesis, Characterization and Application of Anti-Corrosive Polyurethane Coating from Date Seed Oil” by Prof. Priy Brat Dwivedi, Caledonian College of Engineering, Muscat, Oman; “Towards a Vibrant Academia–Industry Synergy” by Dr. Prabodh Chobe, Former Regional Director, IGNOU, Mumbai; “International Science Olympiad programme-the harbinger of innovation in Science Education” by Prof. D.V.Prabhu, General Secretary of ACT, Mumbai;   
“Catalysis-An Inevitable and Vital Component of Green Chemistry” by Prof. Radha V. Jayaram, Institute of Chemical Technology (ICT), Mumbai and “Ion Chromatography and its Applications” by Dr. Deepak Parab, Metrohm India Limited, Chennai.

**Oral & Poster Presentations Cum Cultural Events** Around 25 oral and 30 poster presentations were held as parallel sessions in day two evening. Cultural programme was also hosted and performed by SRM students.

|  |  |  |
| --- | --- | --- |
| **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\28.12.18 2nd day\DSC_5443.JPG** | **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\28.12.18 2nd day\DSC_5453.JPG** | **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\28.12.18 2nd day\DSC_5509.JPG** |
| **Prof. Falah H. Hussein (IL - 5)** | **Prof. G. Ramakrishnan (IL - 6)** | **Prof. Priy Brat Dwivedi (IL - 7)** |
| **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\28.12.18 2nd day\DSC_5519.JPG** | **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\28.12.18 2nd day\DSC_5532.JPG** | **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\28.12.18 2nd day\DSC_5540.JPG** |
| **Dr. Prabodh Chobe (IL - 8)** | **Prof. D.V. Prabhu (IL - 9)** | **Prof. Radha V. Jayaram (IL - 10)** |
| **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\28.12.18 2nd day\DSC_5549.JPG** | **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\28.12.18 2nd day\DSC_5627.JPG** | **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\28.12.18 2nd day\DSC_5677.JPG** |
| **Dr. Deepak Parab (IL - 11)** | **Oral Presentation** | **Poster Presentation** |
| **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\28.12.18 2nd day\DSC_5693.JPGD:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\28.12.18 2nd day\DSC_5704.JPG**  **Cultural events performed by SRM students** | | |
|  | | |

**Day 3 (29-12-2018)**

**Invited Lectures and Poster Presentation**

The third day sessions started with poster presentations. 40 participants presented their research work in Poster mode.

There were about five invited talks on day three. Initially, Dr. B. Sreedhar, CSIR-Indian Institute of Chemical Technology, Hyderabad delivered a talk on “Nanoengineered Materials - Synthesis, Characterization and Catalytic Applications”.

Prof. Sheshanath Bhosale, University of Goa, Goa and School of Chemical Sciences, RMIT University, Melbourne, Australia delivered an invited talk on “Supramolecular Chemistry: Organic Functional Structures at the Nanoscale Level” followed by Prof. V. K. Garg, Centre for Environmental Science and Technology, Central University of Punjab, Bathinda, Panjab who delivered a talk on “Baseline Studies in the Vicinity of Proposed Nuclear Power Station”.

Prof. Sanjay K. Sharma, JECRC University, Jaipur delivered talk on “Greening the Chemistry Curriculum of K-12 Level: The Need of the Day”. Final lecture of the three day event was delivered on “Studies in Irradiated UHMWPE Oxidation” by Dr. Venkat Narayan, Anthara Technologies Consulting, Fort Wayne, IN, USA.

|  |  |
| --- | --- |
| D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\29.12.18 3rd day\DSC_5760.JPG | D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\29.12.18 3rd day\DSC_5787.JPG |
| **Dr. B. Sreedhar (IL - 12)** | **Prof. Sheshanath Bhosale (IL - 13)** |
| D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\29.12.18 3rd day\DSC_5797.JPG | D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\29.12.18 3rd day\DSC_5801.JPG |
| **Prof. V. K. Garg (IL - 14)** | **Prof. Sanjay K. Sharma (IL - 15)** |
| D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\29.12.18 3rd day\DSC_5819.JPG | **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\29.12.18 3rd day\DSC_5710.JPG** |
| **Dr. Venkat Narayan (IL - 16)** | **Poster Presentations** |

**Valedictory Function**

The Three Day International Conference ended with the happy note with the Valedictory Function. Dr. Mangala Sundar K, Professor & Head, Department of Chemistry, Indian Institute of Technology, Chennai graced the Valedictory function as the Chief Guest and distributed Prizes and Certificates to the Best oral and poster presenters. Certificates were distributed to all the delegates and participants of MTCSGC 2018.

|  |  |
| --- | --- |
| **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\29.12.18 3rd day\DSC_5844.JPG** | **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\29.12.18 3rd day\DSC_5859.JPG** |
| **Dr. K. Mangala Sundar**  **Addressed the Gathering** | **Honoring of Chief Guest** |
| **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\29.12.18 3rd day\DSC_5867.JPG** | **D:\M.R.A\Photos\2018-2019\ODD\MTCSGC 2018\29.12.18 3rd day\DSC_5874.JPG** |
| **Best Oral Presentation Award** | **Best Poster Presentation Award** |

**Group Photo**

****

**MTCSGC 2018 Delegates**