



---

## EDUCATIONAL ACTIVITIES 2017

---

*Tree of Knowledge  
The concept of learning sciences*



**Prof V Peesapati** PhD, CChem FRSC (London)  
Hon. Secretary, RSC-IDLS





**Prof. V Peesapati PhD CChem FRSC**

Hon. Secretary, RSC-IDLS

## SECRETARY'S REPORT

As we all put our best foot forward 2018, I am happy to welcome you to RSC-IDLS AGB Meeting. It gives me a great pleasure to present a compilation of events of RSC- IDLS during the year 2017. We have organized various educational events viz., conferences, top of the bench, workshops, quiz, science fair for school students, seminars, public lectures, PhD poster symposium and summer camp in chemistry for 'O' & 'A' level high school and Inter students. In particular we have worked with local female scientists to raise the profile of chemistry to female students in many colleges & schools.

We have not only created awareness among the younger generation but also attracted many students to take up the chemistry as their core subject in their future career.

I would like to acknowledge all office Bearers & Committee Members of RSC-IDLS for their help and encouragement in conducting all these educational activities.

My sincere thanks to the parent body RSC-UK for their excellent support in all respects given to us in organizing all these academic activities and in particular Prof. Sir J Holman, RSC President, Ms Stephanie Comte, Dr. Hillary White, Network members and Mr Rajesh Parishwad & Dr Abiram Prabhu at RSC Bangalore.

And last, but no means least, my thanks to Mrs. V Lakshmi Peesapati for her constant support and encouragement in organizing various educational programs& taking care of all computer work & correspondence to RSC Networks Team & others institutions.



**Prof. Y Anjaneyulu PhD FRSC**  
Chairman, RSC-IDLS

## FOREWORD

It is with a great satisfaction on behalf of RSC-IDLS this annual report is presented as a number of programs involving school children, under graduate, graduate and PhD students and public lectures were organized spreading the importance of chemical sciences to various sections of society.

I really congratulate Prof. Peesapati, Hon. Secretary RSC Deccan Section for his great vision in planning various events and organizing them highly professionally. Recognition of Prof. Peesapati tireless dedication to the India Deccan Section, Royal Society of Chemistry (UK) bestowed on him RSC- Award for Service 2017. We look forward on behalf of RSC Deccan Section for more active participation of all members.

**Dr R B N Prasad PhD FRSC**  
Vice-Chairman, RSC-IDLS



## MESSAGE

2017 is a very active year for India Deccan Section as we have organized variety of programs for the benefit of school, college and university students, research scholars, women and general public. All of us feel proud to associate with the most active sections of RSC during this year also. During our Annual General Body Meeting, let us plan for more innovative programs for 2018. In this context, I request all the members to involve more actively and support the forthcoming events of our Deccan Section. On behalf of all the members of India Deccan Local Section, I appreciate the efforts of Prof. V Peesapati for making our Section unique in the RSC community.

### **Event- 1: Seminar on “Medicinal Chemistry” at Gitam University, Vishakapatnam 19<sup>th</sup> January 2017**

Dr. U N Das (USA) spoke on “**Discovery of endogenous anti-diabetic molecule**”. Prof. V Peesapati delivered a lecture on “**Importance of Chirality for the development of new drug molecules**”.



### **EVENT-2: Padmabhushan Prof T R Seshadri (FRS) Memorial Lecture**

RSC-IDLS and St. Ann’s College for Women have jointly organized Prof. T R Seshadri memorial lecture on 4<sup>th</sup> February 2017 to commemorate the occasion of World Cancer Day. Dr. U N Das delivered his lecture on the topic “**Gamma Linolenic acid (GLA) therapy glioma and other cancers**”.



### **EVENT-3: RSC-IDLS Annual General Body Meeting at St. Ann’s college for women, Mehdiapatnam, Hyderabad, on 11 February, 2017.**

Prof. Peesapati presented annual report of educational activities conducted during the year 2016. Treasurer Dr (Mrs) Sreelakshmi presented the financial statement of accounts for the year 2016. It was approved by the general body



**Names of the Office Bearers 2017****Chairman:** Dr Y Anjaneyulu. ID No.554105      **Vice Chairman:** Dr R B N Prasad: 574864**Secretary:** Dr V Peesapati: 236743      **Treasurer:** Dr (Mrs) S Sreelakshmi 460422**Committee Members**

- Mr P Venkatesh: 488637
- Dr B Mandava 429064
- Dr (Mrs) Ch Krishna Kumari: 489827
- Dr (Mrs) M Jyothi: 603131
- Dr (Mrs) K Radha: 581434
- Dr S Rama Krishna
- Dr V Ravinder: 546241
- Dr Ravindra V Singh

**Co-Opted Member :** Mrs V Madhavi**Hon. Advisors**

- ▶ Dr U N Das: 491720
- ▶ Dr Ahmed Kamal: 478000
- ▶ Dr B Raksewar: 542320
- ▶ Dr Pinto Ganguli: 416669
- ▶ Dr Lakshmi Narasimhan
- ▶ Dr Uday Maitra 150582

**EVENT-4: “Seminar on Chemical Sciences”**

RSC-IDLS has conducted a seminar –cum workshop in association with Adrash degree & PG College, Mehabubnagar, on the occasion of **National Science Day** 28<sup>th</sup> February 2017

Dr. Y V D Nageswar, gave a lecture on “**A Journey – Ancient drug development to the present**”, Dr. Shankaraiah gave a lecture on “**NMR & It’s Applications**’ Final talk by Prof. V. Peesapati on “**Chemicals in Daily Life**”

**Event-5: Guest lecture by Dr. Hilary White RSC-UK**

RSC-IDLS has conducted a seminar at St. Ann’s College for Women, Mehdipatnam, Hyderabad on 14<sup>th</sup> March 2017.

Dr Hilary White, Manager, Membership, RSC expressed her happiness & appreciated the efforts put by India Deccan Local Section. She stressed to encourage student representation on each local section committee and to build strong memberships with professional chemists. She also mentioned that RSC, the world’s leading chemistry community and is committed to



advancing excellence in the chemical sciences. It was followed by a lecture and demonstration on **“Chemistry of Chocolates”** by Mrs Lakshmi Peesapati.



### **EVENT 6: Seminar on “Jan Aushadhi in Health Management”**

Seminar on **“Generic drugs in health management”** at K V S R Siddartha College of Pharmaceutical Sciences at Vijayawada, AP on 28/03/2017.

Prof. V Peesapati delivered a talk on **“Generic Vs Branded”**

Dr. M V N Talluri, NIPER-H, spoke on **“Jan Aushdhi Scheme”**



### **EVENT 7: Seminar on “Jan Aushadhi in Health Management” at RIPER, Ananthapur, AP on 30/03/2017.**

Prof. V Peesapati delivered a talk on **“Generic Vs Branded”**

Dr. M V N Talluri, NIPER-H, spoke on **“Jan Aushdhi Scheme”**



## Event-8: One Week Summer Science Camp 2017 for High School/Intermediate Students in the Month of May/June, 2017

**Objective:** Science education is the most important for the overall growth & development of any nation. Many students are not opting science as a career and also lack of practical training and right guidance to the young students prompted RSC-IDLS to take an initiative this summer science camp.

A total of 46 high School & intermediate students have participated in the summer science workshop (including visit to Research Labs) held for 7 different days (weekends) during April & May, 2017.







### **Event-9: Inspire Program for School Children- Workshop, Quiz & Demonstration in Chemistry 28<sup>th</sup> June, 2017, at Akshara School, Eluru, AP**

A drawing and painting competition was conducted for school children on a theme “Chemistry of Colors - Save the Earth from Pollution”.

Evening session started with a **Quiz program and demonstration** by Prof. V Peesapati.



### **EVENT-10: SCIENCE FAIR ON “CHEMISTRY APPLICATIONS” at CSIR-IICT**

**29<sup>th</sup> July 2017**

RSC-Deccan Section has organized a “Science Fair for school children” in association with CSIR-IICT and White Board.

- Prof Y Anjaneyulu, Dr D Sailaja and Dr RBN Prasad addressed students on the importance of science fair in chemical sciences & these science fairs can inculcate scientific temper among young minds.
- Mrs V Madhavi, Director, White Board spoke on e-Learning.
- Prof U N Das delivered an inspiring lecture on “Chemistry of exercise & Its benefits”.

**Prizes were given to the top 3 best models. Laboratory kits** were given to the top three schools and certificates to all participants by RSC-IDLS.



**Event-11: Symposium on “New Drug Developments & Material Science” at Vivekananda PG College, Mahabubnagar 14<sup>th</sup> September, 2017**

Prof. A Varadarajulu gave a talk on “Biodegradable polymers & It’s applications”.

Prof. V Peesapati spoke on “Why chiral drugs are important”.

Dr. R Srinivas delivered a talk on “Mass spectrometry and it’s applications”.

Afternoon session started with **quiz /puzzles** followed by demo by Prof. V Peesapati & Dr B Rupavani



**EVENT- 12: “Workshop in Chemistry” (Top of the bench) for High School Students at Z P High School, Banapuram Village, Khammam Dist.**

10<sup>th</sup> & 9<sup>th</sup> Class students have participated actively in chemistry and general knowledge Quiz. Later they were given an exciting demonstration on chemistry experiments by Prof. V.Peesapati. Dr Y V D Nageswar & Dr R B N Prasad, IICT, addressed the students



**EVENT- 13: Workshop on “Role of Essential Elements in Nutrition & Health”**

RSC-IDLS and RIPER jointly organized the workshop on “Nutrition & Health” for school students at St. Mary’s girl’s high school, Ananthapur, AP., on 25<sup>th</sup> October, 2017.

- Dr. Padmanabha Reddy, Principal, RIPER, inaugurated the workshop
- Dr Peesapati explained the importance of essential elements in nutrition necessary for the well-being of every one and hence in conducting this nutrition & health camp for the benefit of school students.

Dr. M Jyothi, RSC member & faculty of RIPER, introduced medical doctors, Dr. Shreedhar, MD. (Paediatrician) and Dr. V. Harikrishna, MD (dentist), who helped the health camp by screening students. RSC with the help of RIPER distributed nutrition food & multivitamins to students.



### **EVENT- 14: National Symposium & Poster Session on “Recent Trends in Analytical Techniques for Drug Discovery and Pharmaceutical Drug Development”**

RSC-IDLS organized a one day National Symposium on 28<sup>th</sup> October, 2017 at K L University, Guntur, AP.

- Prof Y Anjaneyulu, chairman RSC-IDLS addressed the students.
- Dr Das delivered a talk on **“Diet and exercise for health”**.
- Prof V Peesapati spoke on the topic **“Why chiral drugs are important”**.
- Dr. R Srinivas, IICT-H, delivered a talk on **“Applications of mass spectrometry to pharmaceutical analysis”**.
- Dr. N. Talluri, NIPER, gave a talk on **“Overview of HPLC applications in pharmaceutical & biomedical industry”**.







### Event-15: “Top of the Bench Program” 16<sup>th</sup> November 2017

One day workshop (lecture, quiz & demo) program was organized for Govt. High School Students (9<sup>th</sup> & 10<sup>th</sup> class) at Kamalapur village in Warangal Dist.

- Prof. K S Sastry gave a talk on “**Photosynthesis and acid/base reactions**”.
- Prof. V Peesapati conducted “**Quiz and top of the bench**” program.



### Event- 16: “Symposium on “Recent Trends in Drug Discovery and Pharmaceutical Drug Development” on 02<sup>nd</sup> December 2017

RSC-IDLS in collaboration with Bapatla Educational Trust has conducted a one day symposium at Bapatla College of Pharmacy, Bapatla, Andhra Pradesh.

- Dr. YVD Nageswar spoke on “**How drug development has evolved over the time from ancient time to the present day**”.
- Prof. Peesapati stressed the importance of “**Chirality in drug development with relevant chiral drugs**”.
- Dr. S. Ramakrishna discussed “**The targeted drug delivery in case of brain tumors and how the drug molecules can be modified to suit the disease condition**”.







### Event-17: Seminar and Workshop on “Kitchen Chemistry” at Panineeya College of Education for Women 7<sup>th</sup> December 2017

RSC-IDLS conducted a work shop on “**kitchen Chemistry**” in association with Panineeya. College of Education for Women. Mrs. Vasudha Ashok, Principal of the college welcomed invited speakers and delegates.

- Dr (Mrs) K KChaganty gave a lecture on “**Oxidative stress & antioxidants.**”
- Dr (Mrs) K R Radhika gave a talk on “**Grandma remedies in the kitchen cabinet**”
- Mrs Lakshmi Peesapati gave a lecture & Demo on “**Health & Nutrition aspects of chocolates**”.



### Event-18: National PhD Poster Symposium on “Challenges in Organic & Medicinal Chemistry” 16<sup>th</sup> December 2017

RSC-IDLS in collaboration with St. Ann’s College for Women, Mehdiapatnam, Hyderabad, has organized 6<sup>th</sup> PhD National Poster symposium on challenges in organic & medicinal chemistry”.

- ▶ Prof. D B Ramachary, Hyderabad University, spoke on “**Discovery of bio-inspired new catalytic reactions: Direct applications in pharmaceutical chemistry**”.
- ▶ Dr. Abhiram Prabhu gave a talk on “**Career guidance and career advancements in chemical sciences.**”
- ▶ Dr Ravi Kumar, CSIR-IICT, delivered a lecture on “**Do we see what we want to see.....! A Sherlock Holme’s approach**”.



### Event-19: Quiz program “Aptitude in Chemical Sciences” for Senior Citizens on 30<sup>th</sup> December 2017

RSC-IDLS has conducted a **Quiz** program for **senior citizens** on the awareness of chemical sciences at Tarnaka community hall, Hyderabad. Around 60 senior citizens (40% are women) have actively participated in the program. The questions have designed general knowledge on basic sciences.

Outcome of the quiz program, about 40% of the senior citizens are aware on the importance of chemistry in daily life. Everybody appreciated and enjoyed the Quiz on the eve of New Year 2018.

RSC gave away prizes to the top three winners in the quiz program. Two prizes won by ladies.







### **Event 20: Public Lecture 2017**

RSC-IDLS has organized many public lectures at different institutions, universities, colleges and public platform during the year 2017 by inviting RSC members and other experts on different subjects namely, chemical, biological sciences, energy, water resources, health related topics and environmental issues.



### **RSC Award for Service 2017**

Prof. Venkateswarlu Peesapati (PhD CChem FRSC), Awarded for his outstanding Service and complete dedication to the Royal Society of Chemistry- India Deccan Local Section.

Prof. Peesapati has done outstanding work for the Deccan Local Section ever since he took over as Secretary 2010. He has been extremely active in organizing a wide variety of activities for both members and the wider community. In particular he has worked with local female scientists to raise the profile of chemistry to female school students. He has been instrumental in making chemistry attractive, fun and easy to learn for students.



**Prof V Peesapati** receiving award from  
RSC President **Professor Sir John Holman** PhD CChem FRSC

*Greetings from RSC-India Deccan Local Section*



*Thank You*