

## Invited Talk and Session Chair

---

**Invited Talk / Expert Lectures Delivered: 57**

**Session Chair/ Judge / Referee: 05**

**Expert Lectures Organized: 10**

**Invited Talk / Expert Lectures Delivered: 57**

### **International Level: 05**

- 1. Delivered an invited talk in Graduate Students Number Theory Seminar (GSNTS) at University of Illinois at Urbana-Champaign, USA on April 03, 2014.**
- 2. Delivered an invited talk in the Special Session on Complex Function Theory and Special Function at Spring 2014 Central Sectional Meeting of the American Mathematical Society held at Texas Tech University, Lubbock, Texas, USA during April 11-13, 2014.**
- 3. Delivered an invited talk in the 2<sup>nd</sup> International Conference on Recent Trends in Mathematics and Its Applications (ICRTMA) at Vidyasagar University, Midnapore during March 18-19, 2015.**
- 4. Delivered an invited talk in the International Conference on Special Functions and Their Applications (ICSFA 2015) held at Amity University, Noida, India in September 2015.**
- 5. Delivered an invited talk in the International Conference on Special Functions and Their Applications (ICSFA 2016) held at Jamia Milia Islamia, New Delhi, India in September 2016.**

### **National Level: 52**

- 1. “On Numerical Weather Prediction” at AICTE sponsored SDP on *Application of Mathematical Sciences & Soft Computing* organized by ASHD, SVNIT, Surat on 09-12-2008.**
- 2. “Stochastic Processes” at AICTE sponsored STTP on *Machine Learning and Soft Computing* organized by COED, SVNIT, Surat on 31.12.2008.**
- 3. “Decomposition of Matrix” at AICTE sponsored STTP on *Machine Learning and Soft Computing* organized by COED, SVNIT, Surat on 31.12.2008.**
- 4. “On Numerical Weather Prediction-A Case study” at AICTE sponsored STTP on *Recent Scientific and Technological Advances in Physical Sciences* organized by ASHD, SVNIT, Surat on 31.12.2008**
- 5. “Introduction to MATLAB” at AICTE Sponsored STTP on *Advances in Condensed Matter Physics* organized by Department of Applied Physics, SVNIT, Surat during August 31- September 4, 2009.**
- 6. “MATLAB Basics” at AICTE sponsored STTP on *Mathematical Modeling and Simulation* organized by AMHD, SVNIT during December 21-25, 2009.**
- 7. Delivered invited lecture on “Linear Programming Problem Solution by Simplex Method” at PG Section of Transportation Engineering and Planning of CED, SVNIT.**
- 8-14. Delivered Seven invited lectures on different topics of **Special Functions and Integral Transforms** at TEQIP sponsored STTP “**Mathematical Methods for Physical Sciences and Engineering (MMPSE 2013)**” during May 6-10, 2013.**

15-23. Delivered **Nine** invited lectures on different topics of **Operations Research** at TEQIP sponsored STTP “**Optimization Techniques for Scientists and Engineers (OTSE 2013)**” during **June 17-21, 2013**.

24-34. Delivered **Eleven** invited lectures at TEQIP sponsored Two Week Short Term Course (STC) on “**Mathematical Methods for Scientists and Engineers (MMSE 2015)**” during 29.06.2015 to 10.07.2015 at SVNIT, Surat.

35. Delivered **an invited talk in the UGC sponsored National Seminar** on “Recent Trends in Biomathematical Modeling under uncertain Environment” at Mugberia Gangadhar Mahavidyalaya, West Bengal held in September 2015.

36. Delivered **an expert lecture at one day state level seminar** on “Optimization Techniques for Engineers and Researchers” at Vadodara Institute of Engineering on 11.12.2015.

37-38. Delivered **two expert lectures at One Week Short Term Training Programme on “Computational Techniques for Differential Equations (CTDE 2016)”** during May 2-6, 2016 under TEQIP-II at SVNIT, Surat.

39-40. Delivered two expert lectures at **One Week Short Term Training Programme on “Advanced Engineering Optimization through Modern Computing Techniques”** held at **Smt. S. R. Patel Engineering College, Unjha, Mehsana, Gujarat** during December 05-09, 2016, **sponsored by GUJCOST**. (Lectures delivered on 06.12.2016)

41. Delivered a lecture about SVNIT and Mathematics Department at **Tolani College of Arts and Sciences, Adipur, Kutch, Gujarat** on 16.12.2016.

42. Delivered an expert lecture at **TEQIP-II sponsored Short Term Training Programme on “Role of Physics in Technology Development (RPTD-2017)”** during January 2-6, 2017 held at SVNIT on 03.01.2017.

42. Delivered **an invited talk on Applications of Linear Programming Problems and Computations through Lingo Software** at Marwadi University, Rajkot, Gujarat on 11.03.2017.

43. Delivered **an invited talk on Data Assimilation Techniques in Numerical Weather Prediction** at Haldia Institute of Technology, West Bengal on 17.03.2017.

44-52. Delivered **Eight** invited lectures on different topics of Special Functions and Integral Transforms at **TEQIP sponsored STTP “Transform Methods in Science and Engineering (TMSE 2017)”** held at SVNIT during March 6-10, 2017.

#### **Session Chair/ Judge / Referee: 05**

---

1. Chaired a session of **International Conference on Bioinformatics**, held at SVNIT during March 25-28, 2010.

2. Chaired a session of **International Conference of International Academy of Physical Sciences (CONIAPS-XIV)** held at SVNIT, Surat during December 22-24, 2011.

3. Chaired a session in the **UGC sponsored National Seminar** on “Recent Trends in Biomathematical Modeling under uncertain Environment” at Mugberia Gangadhar Mahavidyalaya, West Bengal.

4. Chaired a technical session of **International Conference on Special Functions and Their Applications (ICSFA 2016)** held at Jami Millia Islamia, New Delhi on 10.09.2016.

5. Act as Judge / Referee for Poster Presentations of Ph.D. Students at Annual Summit on Research and Innovation on 15.10.2016 organized by Research Park and Innovation Centre, SVNIT, Surat.

### **Expert Lectures Organized: 10**

---

1. **Organized Expert Lecture** on “A Brief Introduction to Cryptology and Secret Sharing” by **Professor Bimal Roy, Director, ISI Kolkata** on 09.02.2012.
2. **Organized Expert Lecture** on “Identity-based Cryptography” by Dr. M. L. Das, Associate Professor, DA-IICT, Gandhinagar on 11.05.2012.
3. **Organized Expert Lecture** on "Satellite Data for Weather Prediction: A Mathematical Challenge" by **Dr. P. C. Joshi, Brahamaprakash Scientist, ISRO**, Ahmedabad on 12.06.2012.
4. **Organized Expert Lecture** on “SPSS Software and Its Applications” by Gaurav Kumar of Binary Semantics Ltd., Bangalore on 16.02.2015.
5. **Organized Expert Lecture** on “Data Assimilation” by **Dr. P. K. Pal**, Outstanding Scientist (Retired), Space Applications Centre (ISRO), Ahmedabad on 05.05.2016.
6. **Organized Expert Lecture** on “Data Assimilation in Meso-scale Models” by **Dr. Rakesh V.**, Scientist, CSIR Fourth Paradigm Institute (CSIR-4PI), Bengaluru on 27.07.2016.
7. **Organized Expert Lecture** on “Uniformly Convergent Numerical Schemes for Singular Perturbation Problems on Layer-Adapted Meshes” by **Prof. S. Natesan**, IIT Guwahati on 23.09.2016.
8. **Organized Expert Lecture** on “Nanotechnology: Small and Beautiful” by **Prof. S. Kulkarni**, IISER, Pune on 24.09.2016.
9. **Organized Expert Lecture** on “Option Pricing and Credit Risk” by **Prof. M. K. Ghosh**, IISc. Bangalore, on 22.11.2016.
10. **Organized Expert Lecture** on “Electron and Ion (Mass) Spectroscopy on some advanced functional materials” by **Dr. M. K. Dalai**, Scientist, CSIR-National Physical Laboratory, New Delhi on 12.05.2017.