

**Jñānābha, Special Issue, 2018, 1-4**

Proceedings : MSSCID-2017, 20<sup>th</sup> Annual Conference of VPI, Jaipur, India

**REPORT**  
**20<sup>th</sup> ANNUAL CONFERENCE OF VIJÑĀNA PARISHAD OF INDIA**  
**on**  
**Mathematical Sciences and Scientific Computing for Industrial Development**  
**(MSSCID-2017)**

**R.C. Singh Chandel**

Secretary, VPI

[www.vijnanaparishadofindia.org](http://www.vijnanaparishadofindia.org)

Email: [rc\\_chandel@yahoo.com](mailto:rc_chandel@yahoo.com)

**Anamika Jain**

Organizing Secretary of the Conference

Manipal University, Jaipur

Email: [anamika.jain@Jaipur.manipal.edu](mailto:anamika.jain@Jaipur.manipal.edu)

20<sup>th</sup> Annual Conference of VIJÑĀNA PARISHAD OF INDIA on “Mathematical Sciences and Scientific Computing for Industrial Development” (MSSCID-2017) with International Symposium on “Probabilistic Models & Applications of Special Functions” was organized during November 24-26, 2017. This three days conference was organized in the premises of Manipal University Jaipur in Association with VIJÑĀNA PARISHAD OF INDIA. Conference was sponsored by Council of Scientific & Industrial Research (CSIR), India and Department of Science & Technology, Government of Rajasthan.

The aim of this Conference was to provide a common platform for academicians and researchers to showcase their work and to promote interdisciplinary research. Experts in the field of Computer Science, Fundamental Sciences, Engineering & Industrial & Manufacturing Technology, Nanotechnology, Transportation and beyond this enlightened with recent developments in the domain.

The Conference was inaugurated with the lamp lighting and garlanding ceremony of Maa Sarswati. The Inaugural Function was graced by Chief Guest Professor A.K. Pujari, Vice-Chancellor, Central University, Rajasthan, Professor Sandeep Sancheti, Vice-Chancellor, Manipal University Jaipur, Professor B.K. Sharma, Dean R & I, Professor G.C. Tikkiwal, Dean FoS, Dr. Madhu Jain, IIT Roorkee, President, VPI, Dr. R.C. Singh Chandel, Secretary, VPI, Professor A.K. Sinha, Director, FoS, Professor J.N. Singh, Barry University, Miami Shores, Florida, USA, Professor K.C. Gupta ( Jaipur), Professor G.C. Sharma (Agra), Professor P.R. Sharma (Jaipur), Professor S.P. Goyal (Jaipur), Professor A.P. Singh (Central University, Rajasthan), Professor S.C. Agrawal (Meerut), Professor C.K. Jaggi (New Delhi), Professor D. Atchuta Rao (Andhra Pradesh), Dr. V.K. Sharma (South Korea), Professor P.C. Jha (New Delhi), Professor Rashmi Bharadwaj (New Delhi), Professor Ajay Singh (Patna) and so many others.

Professor G.C. Tikkiwal, Dean FoS began the session by welcoming all the participants and guests. After that Professor B.K. Sharma, Dean R & I briefed about the research activities of the Manipal University. Founder Secretary of VPI Dr. R.C. Singh Chandel and Dr. Madhu Jain, Conference Chair and President of VPI enlightened the audience about the aims and activities of the VIJÑĀNA PARISHAD OF INDIA. The Hon’ble Chief Guest Professor A.K. Pujari, Vice Chancellor, Central University, Rajasthan considered as a doyen

in his field of specialization in Computers, very nicely explained the fact that how each and every discipline is incomplete without Mathematics and it is very easy to understand it without fear. Professor Sandeep Sancheti, V.C., Manipal University Jaipur stressed on the need of such conferences and appreciated the Department of Mathematics and Statistics for organizing the conference. The Souvenir of the Conference and Mathematical Research Journal JÑĀNĀBHA of VPI were released in the Inaugural Function.

Inaugural Ceremony was preceded to honour the following Distinguished dignitaries by different Prestigious Awards of VIJÑĀNA PARISHAD OF INDIA :

### **I. LIFE- LONG ACHIEVEMENTS AWARD (Highest Prestigious Award)**

1. Professor H.M. Srivastava (In absentia ), University of Victoria, B.C., Canada
2. Professor P.E. Ricci (In absentia), Uni Nettuno Telematic University, Roma, Italy
3. Professor G.C. Sharma, Former Director, Basic Institute of Sciences, Khandari, Agra, UP, India

### **II. DISTINGUISHED SERVICE AWARD**

1. Professor J.N. Singh, Barry University, Miami Shores, USA
2. Professor K.C. Gupta (Former), MNIT, Jaipur, India
3. Professor S.P. Goyal (Former), University of Rajasthan, Jaipur, India
4. Professor P.R. Sharma (Former), University of Rajasthan, Jaipur, India
5. Professor P. Chaturani (Former), IIT, Mumbai, India

### **III. FELLOWSHIP AWARD : FELLOW OF VIJÑĀNA PARISHAD OF INDIA (FVPI)**

1. Professor N.E. Cho, Pukyong National University, Busan, South Korea  
(Honour received by his Post Doctoral Research Fellow Dr. Virendra Kumar, South Korea)
2. Professor Rekha Srivastava (In absentia), University of Victoria, Victoria, BC, Canada
3. Professor G.V. Milovanovic (In absentia), University of NIS, Serbian Academy of Science and Arts, Belgrade, Serbia
4. Professor A.P. Singh, Central University of Rajasthan, Kishangarh, Rajasthan, India

Inaugural session was concluded by Dr. Anamika Jain, Organizing Secretary of MSSCID-2017, who gave vote of thanks and expressed her gratitude to every one for being part of the grand intellectual gathering.

The Inaugural Session was followed by the Presidential and Key note Address of Dr. Madhu Jain on “Stochastic Modeling of Software Embedded Fault Tolerant System” and Professor G.C. Sharma on “Effects of Heat, Mass and Density on Conjugate During Two Step Chemotherapy of Cancer”.

In the next technical session Professor A.P. Singh spoke on “Recent Developments on Escaping Sets of Transcendental Entire Functions”. Invited speakers Dr. Rakhee, BITS, Pilani delivered talk on ” Mathematical Modeling and Analysis of Fractional Guard Channel Scheme with Buffer for Cellular Mobile Network. After that Dr. Ram Singh, BGSB University Rajouri delivered his invited talk on Mathematical Modeling on Malaria which was followed by parallel paper reading sessions during which research papers were presented on

different topics: operation research, fluid dynamics, optimization, special functions, statistics etc.

These Sessions were chaired by Professor A.P. Singh, Professor S.C. Agrawal and Dr. R.C. Singh Chandel. The first day was ended with a cultural event in the evening.

## **Day 2, November 25, 2017 Second day of the Conference**

### **Morning session:**

On second day of the conference, morning session was started with the invited talk of Professor Ajay Singh from Aryyabhata Knowledge University, Patna on “Cyber Crme” which was chaired by Professor J.N. Singh from Barry University, USA. After that Professor S.C. Agrawal, Former Head Department of Mathematics, Meerut University, Meerut delivered his very basic and informatic talk on “Fluid Dynamics”, which was followed by talk by Professor Virender Kumar from Department of Applied Mathematics, Pukyong, National University, Busan, South Korea and various research papers were presented by participants.

### **After Tea Break of 15 minutes:**

Two parallel Sessions were held in two rooms, which were chaired by Dr. Ram Singh, Department of Mathematics, BSGB University Rajorui (J&K) and other by Dr. Ajay Kumar from IIT, Gwalior. Total 40 papers were presented in the two sessions.

### **After a lunch break of 1 hour**

Post lunch session was started with “PROFESSOR J.N.KAPUR MEMORIAL LECTURE”, which was delivered by Professor C.K. Jaggi, Department of OR, Delhi University and chaired by Professor A.P. Singh, Central University, Rajasthan, Kishangarh (Ajmer).

In evening Young Scientist Award (Best Paper Presentation Award), Session was started. Total 19 research papers were presented under three categories in two parallel sessions: Applied Mathematics, Pure Mathematics and Interdisciplinary areas from different places as D.A-V. Postgraduate College, Kanpur, IIT Roorkee, PEC University of Technology, Chandigarh, JK Lakshmipat University, Jaipur, Coimbatore Tamilnadu, Guru Govind Singh Indraprasth University, Dwarika, Delhi, BGSB University, Rajouri(J&K), Government Engineering College, Bikaner etc which were Judged by eminent mathematicians from India and abroad.

## **Day 3, November 26,2017**

Morning session began with invited talk of Professor J.N. Singh from Barry University, Miami Shores, FL., USA on “An Interior Method to Solve a LPP” which was chaired by Professor G.C. Sharma, Former Director, Basic Institute of Science, Khandari, Agra University. After that Professor P.C. Jha, Head OR Department, Delhi University delivered his talk on “Planning for promotion by default medium” and third talk was given by Professor C.K. Jaggi from Department of OR, Delhi University.

### **After tea break of 15 minutes:**

Plenary talk was delivered by Professor Madhu Jain, Department of Mathematics, IIT Rookee during International Symposium on “Probabilistic Models of Embedded System” which was chaired by Professor J.N. Singh, Barry University, Miami Shores, FL, USA. Next invited talk was given by Dr. Kalpana Sharma, Department of Mathematics and Statistics, Manipal University Jaipur on the topic “Unsteady MHD Flow”. Next paper was presented by Dr. Sudheer Kumar Sharma of Nikhil Institute on Stochastic Model for HIV infection which was followed by Dr. Virender Kumar, Head Department of Statistics, Central University of

Rajasthan on “Bayesian Interface of Multiple Structural Breaks”.

The last Technical Session was chaired by Dr, Anil Sharma, Head, Department of Mathematics, University of Rajasthan, Jaipur wherein Dr. Praveen Kumar Agrawal on “Entropy Analysis in Queueing Theory”, Dr. Anamika Jain on “Over view on Matrix Geometric Method for Performance of Modeling of Queueing Theory” delivered their talks and after that following papers were presented:

Mr. Rajveer Singh on “Queueing Theory” and Dr. Devender Singh on “An Information Measure of  $f$ -Divergence” and many more.

Valedictory Function at 4.00 p.m. was graced by Chief Guest Professor J.N. Singh (USA) Professor A.P. Singh, IPP, VPI, Dr. Madhu Jain, President, VPI, Dr. R.C. Singh Chandel, Secretary, VPI, Professor Sunil Joshi, Head Mathematics Department, Manipal University Jaipur and Dr. Anamika Jain, Organizing Secretary of the Conference and so many other participants. Following three “Young Scientist Award” for Best Paper Presentation were given by VPI to

1. *Pure Mathematics* : Surya Kant Rai;, D.A-V. Postgraduate College, Kanpur, UP. India
2. *Applied Mathematics* : Ms. Palak, IIT, Roorkee, Uttarakhand, India
3. *Interdisciplinary Mathematics*: Ms. Shivani Kumari and Ms. Rashika, IIT, Roorkee, Uttarakhand, India

Dr. Anamika Jain, Organizing Secretary presented the Report of the conference of three days. VPI President Dr. Madhu Jain presented a “Certificate of Appreciation” to Dr. Anamika Jain, Organizing Secretary to organize the Conference very nicely. Participants shared their expressions of appreciations. Professor J.N. Singh, the Chief Guest and Professor A.P. Singh, IPP, VPI encouraged the participants with good wishes for their future career .

Dr. Madhu Jain, the President of VPI expressed her appreciations and blessings with thanks to all participants and organizers to make conference of grand success. On behalf of VPI, Dr. R.C. Singh Chandel (Secretary VPI) congratulated to those who won Young Scientist Award and those who were honored by different Prestigious Awards of VPI and gave vote of thanks to all participants and Local Organizers to make the conference of grand success with the hope that all participants would spray essence of the conference in all parts of the World and popularize VPI; and would meet soon in 2nd International Conference of VPI, Bundelkhand University, Jhansi (March 09-11,2018). Professor Sunil Joshi, Head of Mathematics and Statistics Department of Manipal University declared the closing of the function with vote of thanks.