



Dayanand Education Society's

Dayanand Science College, Latur, Maharashtra India



Department of Mathematics

ATR

**International Conference on Mathematical
Analysis and Its Applications (ICMAA2017)
(March 5-9, 1017)**

By

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Event: International Conference

| Sr. No | Title | Information |
|---------------|-------------------------------|---|
| 1. | Name of Department | Mathematics |
| 2. | Title of Event | International Conference on Mathematical Analysis and Its Applications (ICMAA2017) |
| 3. | Date or Duration | 5-9 March 2017 |
| 4. | Venue of the Event | Auditorium, Dayanand Science College, Latur |
| 5. | Sponsor/ Collaboration | NBHM, DST-SERB, CSIR, INSA, SRTMUN, and Dayanand Education Society, Latur |
| 6. | Level of Event | International |
| 7. | Aims/Objectives of the Event | The main aim of this conference is to provide impetus, motivation and to bring together Researchers and Scientists working in the field of mathematics and its applications by providing a forum for the academics exchange of ideas and recent research works |
| 8. | Beneficiaries/ Participants | Teachers, Research Scholars, PG students |
| 9. | Number of Participants | 430 |
| 10. | Name of Chief Guest, Speakers | Prof J. K Kim, Korea Prof V. Berinde, Romania |
| 11. | Name of Coordinator | Dr. S. S Bellale |
| 12. | Photographs | Attached |
| 13. | Evidence Produced | <ul style="list-style-type: none">• Sanction Letters• Certificates• Paper Cuttings• List of students• Photographs• Informatin |
| 14. | Outcomes of the Event | Nearly about 17 participants from out of country |
| 15. | Any other information | Total 196 Papers were read in this confrence |



Background

Department of mathematics is one of the best department in Marathwada region in SRTMUN. This department has UG, PG, Ph. D, M. Phil courses & Research Centers in Mathematics and MATLAB COC Courses. The number of students for UG-338, for PG-68, for Mphil-04, for Phd-18 and for COC-40 are studying their curriculum. Every year the students from this department got Gold Medal from SRTMUN.

The department of Mathematics organized 02-National Conferences, 01-State Level Seminars, 01-Regional Workshop & 03-Phd Course works since last 03 years. In the departmental meeting which was held on June-2016, the faculty members & research scholars decided to organize International Conference on mathematical Analysis and its Application in the month of March-2017. For the financial support to decide to submit the proposal to NBHM, SERB, SRTMUN, CSIR, INSA & UGC. Thus above said Institutions financial support we decided to organize the International Conference on mathematical Analysis and its Application on 5th to 9th March-2017. The department of Mathematics, Dayanand Science College, Latur is proud to organize the International Conference on Mathematical Analysis and its applications.

On 5th March 2017 the International Conference on Mathematical Analysis and its Applications (ICMAA2017) was successfully held from 5th to 9th March-2017, which is organized by Department of Mathematics, Dayanand Science College, Latur for Mathematics Researchers, Teachers and PG Students. The conference was attended by a total of 430 participants. This is the first time the International Conference was held in Latur.

Aims / Objectives:

1. ICMAA-2017 aims to bring academics, professionals and scientists to share and present the latest developments in the field of mathematics.
2. The main aim of this conference is to provide impetus, motivation and to bring together Researchers and Scientists working in the field of mathematics and its applications by providing a forum for the academics exchange of ideas and recent research works.
3. At this Conference the participants will be able to present their research findings and share their experiences in the fields of mathematical Sciences.
4. This Conference will provide an outstanding opportunity to experiences the latest development in the field of Mathematics.
5. In this conference we shall make the platform for the Indian scientist and foreign scientist for the further research and new syllabus communication.
6. The purpose of this Conference is to communicate the current research in mathematics and its application for other branches of Science. Also its is essential to Indian Universities to adopt the new technology for the solution of nonlinear problems in mathematics by using the software such as MATLAB, Farewell, LINGO, MAPLE, MATHEMATICA, CIPLEX, SCILAB etc. this electronic technology is now days using various universities for finding the solution of problems of mathematical analysis.
7. Differentials equations have a lot of applications in different scientific fields. This conference will be devoted to such applications.
8. A number of phenomena in nature (physics, chemistry, biology) and in society (economic) result in problem leading to study of linear and Nonlinear differential equations.
9. This Conference is aimed to bring researchers and professionals to discuss recent developments in both theoretical & applied mathematics and to create a professional knowledge exchange platform between mathematicians.
10. During this conference the participants will aware with the application of He's variational method, which is applied to solve nonlinear integro-differentials equations.



Taking into consideration the guidelines of the programme, the workshop was planned with the following goals:

- To continue outreach activities with the goal of establishing a Research culture in the departments and Researchers.
- To identify ways to bridge the gap between the old and new research in mathematics
- To identify ways and mechanisms to support countries in the region, using the conference and workshop mechanism
- To obtain consensus on strategies about the applications of recent research in mathematics in India
- The numerical and geometrical solution will express the details of the nature of the functions for the researchers and one can take the applications related to the variations problems in the various field. One of the outcomes of our Conference that we will discover the MATLAB programs for finding the nature of the nonlinear types problems. Such lot of problems is available in the literature which we can solve by the MATLAB programming in geometrical solutions.

The proposed results were:

- To increase the quality research in mathematics.
- To receive guidance on the recent research in mathematics and application for researchers.

To achieve the goals and proposed outcomes, an operational structure for the conference was set up combining presentations and panels during plenary sessions and group sessions to discuss specific issues that the Organizing Committee had identified as relevant. The proposed outline for the conference is shown in Annex 1. The identification and subsequent selection of speakers and topics for discussion in group sessions were done by the Organizing Committee.

The conference brought together experts from the mathematics, various branches of mathematics. Hence, the conference met the goal to bring together representatives of the mathematicians, research students from the various universities. More information about this conference and the departments program can be found at the following websites:

www.dsclatur.org/icmaa2017 , www.dsclatur.org

Participants

The conference brought together more than 500 representatives from various institutions in states and universities from India and others are from Korea, Romania, PNG, Pakistan, Italy, Turkey, Thailand, Sikkim, Malaysia, Iran, Egypt, Nigeria, USA, S.Arabia and Yemen. The Vice-Chancellor of the SRTMU, Nanded is Dr. Pandit Vidyasagar attended the conference as Chief Guest of the inaugural function. Vittorio Calao (University Della Calabria, Italy) and Javid Ali (Aligarh Muslim University, Aligarh, U.P.) acted as Chief Guest of the valedictory function and President, Hon. Arvindraoji Sonvane (Vice-President, Dayanand Education Society, Latur) of this conference. Join Scientists, academics, professionals, practitioners and researchers and experience one of the leading International Conferences attended by participants from all over the world.

The event brought together representatives from various universities BOS members HOD of mathematics, Teachers in mathematics and Research students from: Dr. Babasaheb Marathwada University Aurangabad, Swami Ramanand Teerth Marathwad University Nanded, etc



universities. The event benefited from the participation of experts Different mathematics teachers, Researchers and Research students

It is important to emphasize that the financial support provided Swami Ramanand Teerth Marathwad University Nanded.

Inauguration and Plenary Presentations

The inauguration of the workshop was conducted by the following authorities:

- President: Hon. Laxmiramanji Lahoti (President, Dayanand Education Society, Latur.)
- Chief Guest: Hon. Prof. Dr. Pandit Vidyasagar (Vice Chancellor, SRTMU, Nanded.)
- Guest of Honors: Prof. Dr. J.K. Kim (Kyungnam University, Changwon, Gyeongnam, Korea.)
- Keynote Speaker: Prof. Dr. V. Berinde (North University of Baia Mare, Romania)
- Special Invitees: Hon. Arvindraoji Sonvane (Vice-President, Dayanand Education Society, Latur.)
Hon. Rameshji Biyani (Secretary, Dayanand Education Society, Latur.)
Hon. Sureshji Jain (Joint-Secretary, Dayanand Education Society, Latur.)
Hon. Dr. Ishwarji Rathod (Director, Dayanand Education Society, Latur.)

The Keynote addresses were made by Prof. Dr. J.K. Kim (Kyungnam University, Changwon, Gyeongnam, Korea.), Prof. Dr. V. Berinde (North University of Baia Mare, Romania) and Prof. B.C. Dhage (Kasubai, Gurukul Colony, Ahmedpur, Latur, India). In the keynote address Prof. J.K. Kim Speeches on “Mann-Extragradient Algorithms for Solving the Unrelated Variational Inequalities and Fixed Point Problems”. Prof. V. Berinde gave speech on “Current Trends in Fixed point Theory: Between Application Challenges and Theoretical Dangers and Prof. B.C. Dhage gave speech on “D-Iteration Method in the Theory of Nonlinear Functional Differential Equations”.

Day-I

In this conference there was three keynote address speakers, 09 Plenary Talk, 41 Invited Talk and 252 Contributory Talks. On the first day welcoming speakers and participants, the chief guest of inaugural function of this conference is Dr. Pandit Vidyasagar (V.C. SRTMU, Nanded), who is highlighted in his greeting that, the themes for the conference are appropriate in the present context and it will provide a common platform to academicians and professionals working in the field mathematics to share their knowledge about various aspects of the subject.

In the opening address, highlighted discussion on applied aspect of mathematical analysis will help fresh researchers to connect rich theory of mathematical analysis to other branches of mathematics as well as specialized research in other scientific areas.

In the first keynote, Prof. V. Berinde (Chair (Director) of Department, Department of Mathematics and Computer Science, North University Center at Baia Mare Technical University of Cluj-Napoca Victoriei, Baia Mare, Romania) spoke about “Current Trends in Fixed Point Theory: Between Application Challenges and Theoretical Dangers”. The overview was chaired by Prof. J.K. Kim (Kyungnam University, Changwon, Gyeongnam, Korea).

In the next session there was two Plenary Talks, in the first plenary talk Prof. V. Kannan (University of Hyderabad India) Spoke about “A Functional Analytic View of Riemann Theorem on Re-arrangements”. And in the second plenary talks Prof. J.Vasundhara Devi (GVP College of Engineering (A) Madhurawada, Visakhapatnam, India) gave speech on “Graph Differential Equations via Matrix Differential Equations”. The session was chaired by Prof. B. C. Dhage (Kasubai, Gurukul Colony, Ahmedpur, Latur, (M.S), India).



In the next session there was for invited talks, the first talk was given by Prof. A. A. Shaikh (Aligarh Muslim University, Aligarh, U.P., India.) discussed on “Development from Euclidean Geometry to Incidence Geometry”. In the next talk Prof. S.D. Katore (Sant Gadge Baba Amravati University, Amravati, (M.S), India) gave speech on “On Theories of Gravitation”. The overview was chaired by Prof. V. Kannan (University of Hyderabad India). Prof. A. Yajnik (Sikkim Manipal Institute of Technology, Sikkim) discussed about “Natural Language Parser using Mathematical Techniques” and the last talk of this session is given by Prof. Deepak Singh. This session was chaired by Prof. A.K. Das (SQC & OR Unit, Indian Statistical Institute, 203 B. T. Road, Kolkata, India).

In the afternoon session there are four parallel session of contributory talks at different four hall that is α, β, γ , and δ halls. Each session started with invited talk. There are 23 contributory talk in each session and the four parallel session was chaired by Prof. P.K. Sahoo (Birla Institute of Technology and Science-Pilani, Hyder abad Campus, Hyderabad, India.), Prof. D.D. Pawar (Director of Department of Mathematics, S.R.T.M. University, Nanded), Prof. Gopal Meena (Jabalpur Engineering College, Jabalpur, M.P.) and Prof. M.P. Singh (Institute of Engineering & Technology, Dr. B.R. Ambedkar University, Khandari, Agra, India) respectively.

In the evening there was culture programme for the participants.

Day-II

The second day began with keynote talk-II Prof. J.K. Kim (Kyungnam University, Changwon, Gyeongnam, Korea) gave speech on “Mann-Extragradient Algorithms for Solving the Unrelated Variational Inequalities and Fixed Point Problems”. This session was chaired by Prof. Mehmet KUCUKASLAN (Mersin University, Mersin, Turkey).

After that, two plenary talks are given by Prof. V. Colao (University Della Calabria, Italy) gave speech on “Iterative Sequences and Fixed Points: A Review” and Prof. A.K. Das (SQC & OR Unit, Indian Statistical Institute, 203 B. T. Road, Kolkata, India). This session was chaired by Prof. V. Berinde (North University Center at Baia Mare Technical University of Cluj-Napoca Victoriei, Baia Mare, Romania).

In the next session there was six invited talk. The first talk was given by Prof. P. Sundaram (Former Principal, N. G. M. College, Pollachi, Tamilnadu, India) gave speech on “Digital Topology”. The second talk was given by Prof. M.P. Singh (Dr. B. R. Ambedkar University, Khandari, Agra, India) gave talk on Application of MATLAB Environment for Mathematics. The overview was chaired by Prof. Vilas Kharat (N. B. Navale Sinhgad College of Engineering, Solapur, (M.S.), India). In the third talk Prof. Gopal Datt (PGDAV College, Delhi, India.) discussed on “Recent Advances in the Theory of Toeplitz Operators” and Prof. Ilahme Imrali (Duzce University, Duzce, Turkey) discussed on “On The Numerical Solution of Parametrized Second-Order Boundary Value Singularly Perturbed Problem”. The session was chaired by Prof. A.A. Shaikh (Aligarh Muslim University, Aligarh U.P.).

In the afternoon session there are 4 parallel sessions. Each session started with the invited talks and in each session there was 22 contributory talks and the 4 sessions was chaired by Prof. V.C. Borkar (Yeshwant College, Nanded, M.S., India) and Javed Ali (Aligarh Muslim University, Aligarh, U.P. India), K.C. Takale (RNC Arts, JDB Commerce and NSC Science College, Nashik, M.S., India) and S.D. Katore (Sant Gadge Baba Amravati University, Amravati, M.S, India), Prof. S.S. Benchalli (Karnatak University, Dharwad, Karnataka, India), Dr. S.S. Bellale (Dayanand Science College, Latur.), Prof. P. Sundaram (N. G. M. College, Pollachi, Tamilnadu, India) and D.S. Palimkar (Vasantrao Naik College, Nanded, M.S, India) respectively.

Then the last session of Day-II was poster presentation.



Day-III

The third day began with the keynote talk of Prof. B. C. Dhage (Kasubai, Gurukul Colony, Ahmedpur, Latur, (M.S), India) gave speech on "D-Iteration Method in the theory of Nonlinear Functional Differential Equations". The overview was chaired by Prof.M.Kucukasalan (Mersin University, Mersin, Turkey).

Then there was two plenary talks. In the first talk Prof. S. S. Benchalli (Karnataka University Dharwad, Karnataka) gave speech on "Recent Trends in Topology". In the second talk was given by Prof. M.Kucukasalan (Mersin University, Mersin, Turkey) discussed on "Relation Between Porosity Convergence and Tangent Space". The overviews was chaired by Prof. A.A.Shaikh (Aligarh Muslim University, Aligarh, U.P., India.).

Then in the next sessions there was two invited talks. Prof. D.D.Pawar (SRTM University, Nanded) gave speech on "Magnetized Domain Wall in $f(R, T)$ Theory of Gravity". Similarly, the afternoon sessions was started with 04 parallel sessions. Each session started with invited talks. There was 19 Contributory talks in each sessions. These sessions was chaired by M. Zoita BERINDE(North University Center at Baia Mare Technical University of Cluj-Napoca) & ILHAME.AMIRALI(Duzce University,Duzce,Turkey), K.P.Singh & Deepak Singh, P.G.Patil (Karnataka University,Dharwad,Karnataka)& B.R.Sontakke, and Pradeep Goel(M.M.(P.G.) College,Fatehabad,Haryana) &Dr. K.L.Bondar (NES Science College, Nanded.) respectively.

Group Discussion:

The last session was group discussion. In the group discussion session we discussed about He's variational method which is applied to solve nonlinear integro-differentials equations. At the end we found that the method provides a straightforward and powerful mathematical tool for solving various nonlinear integro-differentials equations. Also we discussed on other applications of differential equations, The Numerical Solution of Parametrized Second-Order Boundary Value Singularly Perturbed Problem and so on.

Valedictory function and feedback:

At the end of the conference valedictory function was held. In this valedictory function many mathematician give the feedback on the overall workshop.

Chief Guest: Hon. Prof. Vittorio Calao (University Della Calabria, Italy)

Hon. Prof. Javid Ali (Aligarh Muslim University, Aligarh, U.P.)

President: Hon. Arvindraoji Sonvane (Vice-President, Dayanand Education Society, Latur.)

Special Invitees: Hon. Laxmiremanji Lahoti (President, Dayanand Education Society, Latur.)

Hon. Rameshji Biyani (Secretary, Dayanand Education Society, Latur.)

Hon. Sureshji Jain (Joint-Secretary, Dayanand Education Society, Latur.)

Chairman: Hon.Dr. J.S. Dargad (Principal, Dayanand Science College, Latur.)

Convener: Hon.Dr.S.S.Bellale (HOD, Dept.of Mathematics, Dayanand Science College, Latur)



Outcomes of This Conference:

1. Due to this conference our rural area's faculties are now turn towards research apart from regular mathematics teaching.
2. This conference provided an important knowledge and new ideas about Applied Mathematics & Modeling, Statistics & its Applications, Analysis & its Applications and Geometry & its Applications etc. to the participants.
3. Due to the foreign participants involvement in this conference and their knowledgeable talks we have got the understanding of mathematics and their applications in various branches of sciences.
4. The teachers and research students of mathematics got the knowledge about MATLAB, SCILAB, LATTEX, MAPLE, MATHEMATICA, CIPLEX, LINGO, Mathematical Computational Techniques and various mathematical software.
5. With the help of such software in mathematics we can develop the new methodology for solving the problems.
6. The present conference gave the opportunity for researchers, teachers and professionals to present their research papers, new ideas and their experiences about their various topics in mathematics.
7. Graduate and Post Graduate students have got the idea about paper presentation and research.
8. This conference helps to motivate students, teachers, research scholars and professionals with new innovative idea and to create knowledge and recent works in the various fields of mathematics.
9. This conference provided an outstanding opportunity to experience the latest development in the field of mathematics to the participants.
10. During this conference the participants got the ideas and knowledge about both theoretical and applied mathematics.
11. Prof.J.K.Kim discussed on "Mann-Extragradient Algorithms for solving the Unrelated Variational Inequalities and Fixed Point", during his discussion the participants got a new iteration methods for finding a common solution of a system of unrelated variational inequalities.
12. Participation of a foreign Speakers and Researchers made the collaboration between their research with the Indian participants.
13. Due to this conference the MOUS with the research center of the countries Korea, Romania, Itly, Turkey etc with the departments of our countries.
14. The foreign participants communicated with the PG students of our Institutions and they invited their countries for the future research.
15. This conference deeply knowledgeable for the researchers in the field of non-linear analysis and its application.
16. Nearly about 15 mathematical models were presented in this conference, which are valuable for research in application.
17. The recordable 294 papers were presented in this conference in different directions and its applications.
18. During this conference the participants got the new innovative ideas about Mathematical Physics which covered the topics as Fluid Mechanics, Classical Mechanics etc.
19. Differentials equations have a lot of applications in different scientific fields. This conference provided an immense application of differential equations to the participants.
20. This conference discussed recent developments in and latest research on mathematics, statistics and their applications.



Conference Schedule :

| Sr. No. | Time | Event | Venue | | |
|--|---------------------|---|--|---|---|
| First Day : Date :- 5th March 2017 | | | | | |
| 1) | 03.00pm to 05.30pm | Registration (Foreign Participants) | Registration Desk | | |
| 2) | 05.30pm to 08.00pm | Welcome Party/Dinner (For Invitees) | Dinner Hall | | |
| Second Day: Date :- 6th March 2017 | | | | | |
| 3) | 08:00am to 09:00 | Break fast | Breakfast point | | |
| 4) | 09.00am to 10.00am | Registration | Registration Desk | | |
| 5) | 10.00am to 11.30am | Inaugural function | Auditorium | | |
| 6) | 11.30am to 12.30pm | Keynote Talk- 1 (Prof. V. Berinde) Chair - Prof. Dr. S.B. Nimse | Auditorium | | |
| 7) | 12.30pm to 12.45pm | Tea Break | Tea Point | | |
| 8) | 12:00pm to 01:30 pm | Plenary Talk - , (Prof. S.B. Nimse) Plenary Talk – (Prof. V. Kannan) Chair - Prof. J. K. Kim | Auditorium | | |
| 9) | 01.30pm to 02.30pm | Lunch Break | Lunch Hall | | |
| 10) | 02.30pm to 04:00pm | Invited Talk (Prof. J. Vasundaradevi) Invited Talk (Prof. A.A. Shaikh) Chair - Prof. V. Kannan | α -Alpha Hall, | | |
| | | Invited Talk (Prof. S. D. Katore) Invited Talk (Prof. A. Yajnik) Chair - Prof. A. K. Das | δ -Delta Hall | | |
| 11) | 04:00pm to 04:15 pm | Tea break | Tea Point | | |
| 12) | 04.15pm to 06.00pm | Contributory Talks in (04 parallel sessions) | α , β , γ and δ Halls | | |
| | | α -Alpha Hall Chair.- P. K.Sahoo | β -Beta Hall Chair.- Prof. D. D. Pawar | γ - Gama Hall Chair.- Prof. S. S. Benchalli | δ -Delta Hall Chair.- Prof.M.P.Singh |
| | | IT20 Javid Ali CT04-S.B.Chavhan CT05- S.B. Dhaigude CT06- D.K. Raut CT07-R.M. Reddy CT08-M.K. Suryawanshi CT10-G.U. Pawar CT11-A. Banerjee CT14-P.Sahoo CT18- E.A. Bakare CT21- S.S. Hambarde CT22- P.R. Shinde CT23- S.B. Patil CT26- A. Tomar CT27- S.B. Birajdar CT30- M.N. Pentaiah CT31- N.S. Kondekar CT32- S.P. Shinde CT33- P.G.Swami CT34- B.K. Pedge CT35- R.M. Dhaigude CT202- W.D. Patil | IT37- K.P. Ghadle CT01- B.S.Reddy CT16- A.D.Chindhe CT17- N. Laxmikanth CT25- H.R. Bhapkar CT61- P. Singh CT74- N.K.Raut CT83- Moh. Shuaib Akhtar CT85- A. V. Bhosle CT91- N. M. Kavathekar CT92- Moh. A. Salman CT98- D. A. Munot CT99- N.S. Hungund CT100- P.G.Andhare CT114- R.B. Sahane CT121- S. R. Waykar CT128- Ali A.M.Ahmed CT145- Özen ÖZER CT152- R.D. Jagtap CT158- Mandira Kar CT179- V. K. Gupta CT183- B. A. Nagorao CT250- D.B.Chate | IT40. D. S. Palimkar CT02- E. Serag CT03- S.M. Jogdand CT13- M. Kumar CT15- M. H. Saleh CT20- N.N. Puranik CT36- R.Pandey CT41- P. Singh CT43- Ayub Khan and Shikha CT50- R. P. Gupta CT87- J. K. Mane CT117- S. R. Gadhe CT119- V.S. Jadhav CT135- P. A. Pathade CT136- K. U. Shinde CT142- Naziya Parveen CT151- Ayub Khan CT161- Iftikhar CT174- S. Kumar CT177- D.S. Kanwate CT188- S. S. | IT41 K. L. Bondar CT19- Shams Khwaja CT42- P. Gupta CT44- P. Sahoo CT52- R. A. Kunale CT54- S. P. Shahare CT57- S. Tabassum CT58- Chaman Pal CT62- O.P. Chauhan CT68- S.P. Hatkar CT75- Kamran Ahmad CT79- V.P. Kadam CT80- V.R. Chirde CT81- B.M.Godbole CT88- R. J. Baxi CT93- V.B. Bhale CT95- P. Sonawane CT106- P. K. Agrawal CT112- A. Pujari |



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|---|----------------------|---|---|--|--|
| | CT206- K.S. Borase | | Zampalwad CT189- R. S. Wali CT195- A. M. Burande CT198- A. B. Thenge CT199- D.N. Kandekar | CT118- K.R.Mule CT127- N. K. Sarkate CT129- B.Elizabeth Rani CT132- S. P. Hingmire CT137- Khan Firdous | |
| 13) | 06.00 pm to 07.00 pm | Break | --- | | |
| 14) | 07.00 pm to 08.30 pm | Culture Programme | Auditorium | | |
| 15) | 08:30 pm to 09:30 pm | Dinner | Dinner Wing | | |
| Third Day: Date :- 7th March 2017 | | | | | |
| 16) | 09.00 am to 10.00am | Break Fast | Lunch Hall | | |
| 17) | 10.00 am to 11.00 am | Keynote Talk - II (Prof. J. K. Kim) Chair - Prof. M. Kucukaslan | Auditorium | | |
| 18) | 11.00 am to 12.30pm | Plenary Talk - (Prof. V. Colao) Plenary Talk – (Prof. A. K. Das) Chair - Prof. V. Berinde | Auditorium, | | |
| 19) | 12.30 pm to 12.45pm | Tea Brea | Tea Point | | |
| 20) | 12.45 pm to 02.00 pm | Invited Talk - (Prof. P. Sundaram) Invited Talk - (Prof. M. P. Singh) Chair - Prof. Vilas Kharat | Auditorium, | | |
| 21) | 02.00 pm to 03.00pm | Lunch Break | Lunch Hall | | |
| 22) | 03.00pm to 04:00pm | Invited Talk - (Prof. Gopal Datt) Invited Talk - (Prof. Ilahme Imirali) Chair - Prof. A. A. Shaikh | α -Alpha Hall, | | |
| | | Invited Talk III, (Prof. B. N. Bhosale) Invited Talk IV,(Prof. P. K. Sahoo) Chair - Prof. J. N. Salunke | δ -Delta Hall | | |
| 23) | 04:00pm to 6:30 pm | Invited and Contributory Talks (04 parallel sessions) | α , β , γ and δ Halls | | |
| | | α -Alpha Hall | β -Beta Hall | γ - Gama Hall | δ -Delta Hall |
| | | Chair.- Prof. V. C. Borkar/ Javid Ali | Chair.- K. C. Takale & D. D. Pawar | Chair.- Prof. S. S. Benchalli& | Chair.- Prof. P. Sundaram/ Palimkar D |
| | IT 24. R. N. Ingale | IT 28. R. Sontakke | IT34- P. G. Patil | IT30 -V. P. Pawar | |



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| 24) | 06.30pm to 07.00pm | Poster Presentation | Conference Hall | |
| 25) | 07.00pm to 08.30pm | Break / Local Tour | Sidheshwar Yatra | |
| 26) | 08:30pm to 09:30pm | Dinner | Dinner wing | |
| Forth Day: Date :- 8th March 2017 | | | | |
| 27) | 09.00am to 10.00am | Break Fast | Lunch Hall | |
| 28) | 10.00 am to 11.00am | Keynote Talk – III (Prof. B.C. Dhage) Chair - Prof. M . Kucukaslan | Auditorium | |
| 29) | 11.00am to 12.30pm | Plenary Talk - (Prof. S. S. Benchalli) Plenary Talk - (Prof. M. Kucukaslan) Chair - Prof. A.A. Shaikh | Auditorium, | |
| 30) | 12.30pm to 12.45pm | Tea Break | Tea Point | |
| 31) | 12:45pm to 02:00pm | Invited Talk V (Prof. D. D. Pawar) Invited Talk VI (Prof. Vilas Kharat) Chair - Prof. B. C. Dhage | Auditorium, | |
| 32) | 02:00pm to 3:00pm | Lunch Break | Lunch Hall | |
| 33) | 03.00pm to 04.30pm | Invited and Contributory Talks (04 parallel sessions) | α , β , γ and δ Halls | |
| | α -Alpha Hall Chair.- R. N. Ingale | β -Beta Hall Chair.- K. P. Ghadle | γ - Gama Hall Chair.- P. G. Patil & B. R. Sontakke | |
| | | | δ -Delta Hall Chair.- Pradeep Goel Dr. K. L Bondar | |



| | | | | |
|---|--|--|---|---|
| | IT31 B. D. Karande CT97- Iqbal Ahmad CT101- A.S. Kausadikar CT102- P.M. More CT105- Sabri Thabet CT107- U. P. Dolhare CT108- A S. Dodamani CT109- P. S. Mirajakar CT110- P. H Patil CT111- T. Rayanagoudra CT113- T. S. Pawar CT115- Q.H. Khan CT120- Mohd. Sarfaraz CT123- M.M. Shankrikopp CT124- Ranjan S. Khatu CT125- N. G. Abuj CT126- Aziz Ahmed CT131- V. V. Sangvikar CT134- V.G.Mete | IT41- M. B. Dhakne CT148- A.S.Thosare CT153- Mamta Kumari CT155-Maz.-Ul-Haque CT156- Dilip Kumar Gupta CT157- Sadikali Shaikh CT159- Uday Dolas CT160- A.P. Hiwarekar CT162- S. D. Kadam CT163- A. Y. Shete CT164- N.S. Jadhav CT166- R. G. Metkar CT167- V. M. Gaikwad CT169- P. M. Nalwad CT171- G. M. Amiraliyev CT175- Borgaonkar VarshaCT184- G. L.Rokade CT185- G.A. Birajdar CT186- R.H. Baldawa CT187- C. K. Dhulgunde CT191- I. Sutar | IT33 S. S. Bellale CT154- S. S. Dabhane CT165- R. Gadag CT170- V. J. Dagwal CT176- V.A. Chaudhari CT181- L.V. Thakre CT200- F.I. Momin CT203- O. N. Angul CT204- R. K. Jadhav CT205- Kulkarni P.R CT226- V. S.Sharma CT138- Sujit Handibag CT139- S. M. Ingle CT140- P. S. Sutkar CT141- M.A. Desurkar CT143- Amol B Patil CT149-Y. S. Solanke CT150- C. D. Wadale CT40-N. S. Pimple (Spot Presentation) | IT38 S. R. Joshi CT84- V. Khyade CT130- S. K. Magar CT146- S.V. Jagtap CT173- A. K. Shandilya CT190- S. R. Puranik CT214- S.W.Mane CT237- K. Tripathi CT192- S.N.Bidarkar CT193- V L.Chinchane CT194- G.T. Khurpe CT197- R. K. Devkate CT281-J Raghavendar CT29 P. V Kulkarni CT37 S. G. Shete CT38- S. V. Badgire CT116 C. N. Math CT142. Nazai Parvin (Spot Presentation) |
| 34) | 04:30pm to 05:00pm | Photo Session | Campus | |
| 35) | 05:00pm to 06:00pm | Valedictory Function | Auditorium | |
| 36) | 06.00pm to 07.00pm | Excursion (Indian Participants) | -- | |
| 37) | 07:00pm to 08:30 pm | Latur Visit (Foreign Participants) | | |
| Fifth Day: Date :- 9th March 2017 | | | | |
| 38) | 08.00am to 09.00am | Break fast | - | |
| 39) | 09.00 am to 11.00 pm | Excursion Tour (Foreign Participants) | - | |



Acknowledgements

It has been our pleasure to host the participants of the conference at Dayanand Science College Latur me. I am thankful to all the participants for coming to attend the conference. We have been fortunate to have some of the eminent person from the world and India. I am sure that the participants must have benefited by attending this conference.

I would like to record my sincere thank to our chief guest Hon. Dr. Pandit Vidyasagar (Vice-Chancellor, SRTMU, Nanded) and Guest of honor Prof. Kim for kindly accepting our invitation and gracing the inaugural function . I also thankful to Prof Colao for accepting invitation of valedictory function.

I am thankful to Prof. J.K. Kim (Korea) and Prof. V. Berinde (Romania) for the keynote address. I am very much thankful to Prof. A.K. Das (Indian Statistical Institute, Kolkata), Prof. V. Kannan (Hyderabad), Prof. Vittorio Colao (Italy), Prof. Mehmat Kucukaslan (Turkey), Prof. Dr. Javid Ali (Aligarh Muslim University, Aligarh), Izhar (Delhi) Prof. D.D. Pawar (SRTMU Nanded) etc. all speaker and participants for gracing the conference with their presence and valuable speech.

The organization of the present International Conference has become possible with the financial support from NBHM, INSA, CSIR, SERB and SRTMU Nanded, so I thanks for their valuable financial support.

I take this opportunity to thank all of them, Our Dayanand Education Society has generously supported to me My special thanks are to Hon. Laxmiraman Lahoti (President, Dayanand Education Society, Latur), Hon. Arvind Sonwane (Vice-President, Dayanand Education Society, Latur), Hon. Ramesh Biyani (Secretary, Dayanand Education Society, Latur) and Hon. Suresh Jain (Joint Secretary, Dayanand Education Society, Latur) for their valuable overall support for this conference.

I also express my deep sense of gratitude to efficient administrative person Dr. J.S. Dargad Principal given encouragement for the organization of this conference with freedom of decision. I take this opportunity to thanks Dr. L. V. Thakre for his continuous support to organize this big event from starting to end.

My thanks also goes to the committee chairmen Prof . M. B. Deshmukh Dr. C. S. Swami, Dr. M. A. Bembade, Dr. N. A. Kedar Dr. Salunke, Prof Alne sir, Dr. M.N.Pandit ,Prof Jaju, Bhosle sir, Tiwari sir and all committee members for planed and complred fruitfully this programme

Also I thank my supported staff V. D. Gaikwad, N. S. Pimple, S. P. Birajdar, R. H. Baldawa, Mohsin S. Shaikh supporting me time to time.

I would like to acknowledge with thanks the sustained support, constructive criticism and assistance extended by all committee members, teaching, nonteaching staff, Ph. D. students, PG UG students.

Once again I am thank full to all the guests, speakers, participants, students and all known and unknown persons who are directly and indirectly involved in organizing the “International Conference on Mathematical Analysis and its Applications (ICMAA2017)” in our Dayanand Science College, Latur.

Dr. S.S. Bellale
(Convener-ICMAA2017)
Head, Dept. of Mathematics,



Speakers : **Keynote Speakers** :

Prof. J. K. Kim
Kyungnam University,
Changwon, Korea

Prof. V. Berinde
North University of Baia Mare,
Romania

Plenary Speakers

Hon. Dr. S. B. Nimsa
Vice-Chancellor, Lucknow
University, Lucknow, UP, India

Prof. V. Kannan
Dept. of Math. and Statistics
University of Hyderabad, India

Prof. Vittorio Colao
Department of Mathematics,
University della Calabria, Italy

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Department of Mathematics,
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Dept. of Math. & Computing
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Hansik Centre for Research,
A.R. Institute, U.P., India

Dr. Samuel Koppam
on PCC (Andhra) and HOD
Maths, Geosika University, PNG

Dr. David Bao
Dept. of Math.
University of Houston, USA

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Dept. of Math. University Putra,
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Karamata University, Idrabad

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दयानंद शिक्षण संस्था, लातूर

International Conference
on
Mathematical Analysis and
Its Applications
(ICMAA-2017)
March 5 -9, 2017

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Dear colleague,

It gives us immense pleasure to invite you to participate in the International Conference on Mathematical Analysis and its Applications (ICMAA-2017). All academicians and researchers in the branches of Mathematics, Mathematical Physics and Applied Engineering are kindly requested to submit original abstract for presentation. All accepted abstracts and research papers will be compiled and published in the proceeding book. For more information about the guidelines, please check the website www.dclatur.org/icmaa2017

Objectives:

The main aim of International Conference on Mathematical Analysis and its Applications (ICMAA-2016) is expected to provide an international platform that allows researchers, academicians and industry experts to share and discuss their research ideas in the theoretical and applied areas regarding all aspects of Mathematical Sciences. The Conference also provides great opportunities for participants to exchange new innovative ideas and experiences to establish current research work in applied sciences.

About the Latur City:

Latur city is in the Maharashtra region in the Maharashtra state of India. It is the headquarter of Latur District. It is a tourist hub, surrounded by many historical monuments. Latur is a well-known educational hub/leading for quality education in Maharashtra State. It is connected to the International Airport Mumbai by road and rail 475kms. and also to International Airport Hyderabad connected by road and rail 298kms. The nearest domestic airport at Aurangabad at a distance of 280 kms. Away from Latur.

Themes of Conference :

- A. Applied Mathematics & Modeling**
 - Numerical Analysis
 - Fluid Mechanics
 - Heat and Mass Transfer
 - Mathematical Physics
 - Educational Mathematics
- B. Statistics & Its Applications**
 - Stochastic Systems
 - Statistics
 - Operations Research
 - Optimization
 - Linear and Nonlinear Programming
 - Probability
 - Financial Mathematics
 - Actuarial Mathematics
 - Industrial Mathematics
- C. Analysis & Its Applications**
 - Algebra & Mathematical Logic
 - Functional Analysis
 - Set Theory
 - Matrix Theory
 - Approximation Theory
 - Nonlinear Integro-differential equations
 - Integral Transform
- D. Applied Algebra & Its Applications**
 - Number Theory
 - Algebra
 - Cryptography
 - Group Theory
- E. Geometry & Its Applications**
 - Geometry
 - Topology
 - Algebraic Geometry
 - Game Theory
 - Differential Geometry
 - Fractals
- F. Software & Application of**
 - MATLAB
 - MATHEMATICA
 - SCILAB
 - CIPLEX
 - LINGO
- G. Mathematical Physics**
 - Fluid Mechanics
 - Elastic Properties
 - Classical Mechanics
 - Electronics
- H. Others**
Areas not included above.

About the Institution:

Dayanand Education Society is one of the oldest educational society which was established in 1961. The motto of institute is " **ज्ञानं नृणां सर्वेषु त्वयि** ". Let the noble thoughts come to us from all the directions of the universe ". In the campus of Dayanand Education Institute there are six different Colleges imparting education from Junior to Senior College level to 15,000 students. In this Institute, about 800 teaching and non-teaching staff who constantly strive hard to achieve the mission and goals of the Society. The modest beginning was the foundation of Dayanand College of Arts, Science and Commerce in the year 1961. In 1964, the inclusion of (then) Shri. Manjunath Sawane and (then) Shri. Raja Narayanaji Labot in the Governing Board of the Society in 1964 gave tremendous impetus for the development of the Society. The institution has now made such a rapid progress with the establishment of three separate single faculty colleges run by the Society. The institution has bagged many State and National awards. Recently, the institution celebrated Golden Jubilee and organizing different programmes in excellence (Hon. Pranab Mukherjee, the President of India, solicited his presence at the closing ceremony of the programme. The institute has gone ahead, yet it aspires to further in each and every academic year.

About the Department :

Dayanand Science College, Latur, is unique, first oldest and the finest single faculty college in the region of Maharashtra, pursuing excellence in science education with several branches. Dayanand Science College became independent in 1967. The College not only provides education in basic and applied subjects, but also pays attention to the current innovative approaches towards the higher education. The college has 13 subject combinations for UG programs, 07 PG programs, 05 Research centers and 04 COP Programs. The Research centers have collaboration with the research centers and scientists of the various countries, such as USA, Korea, Switzerland, Poland, Greece, Malaysia, Romania, Oman, Thailand and Singapore etc. Due to the quality education, the college received different National and International awards and schemes. In the year 2012, our institution received Shahu-Phule-Ambekar Award by Maharashtra State Government. In 2013 the college received DSE-FIST recognition. In the year 2014, College had been awarded "A" grade in NAAC Accreditation 2nd cycle with CGPA 3.14 out of 4.00. In the year 2015, College received Best College (Urban) Award from SRTM University, Nanded. In the year 2016, College has been awarded "College with Potential for Excellence Award (CPE)" by UGC and able to receive grant of Rs.5 Crores in three phases. Our Principal Dr. J.S. Dargad has been recently awarded "Best Principal Award" by SRTM University, Nanded. The college is well known about the development of "Latur pattern of Education" in the state of Maharashtra for the meritorious pattern.

The Department of Mathematics is the prominent Department in SRTM University, Nanded for UG, PG and Ph.D. level programs. This department runs one year Career oriented Program (COP) in MATLAB training. This department has active research center which is in collaboration with various National and International research centers. The faculty members of this department have given invited talk in the international conferences in different countries like USA, Korea, Switzerland, Poland, Greece, Malaysia, Romania, Oman, Thailand, Iran, Singapore etc. In the last four years, this department organized 01 national, 01 regional workshop, 01 state level seminar and 03 Ph.D. course works. The department has organized 03 regional seminar competitions for UG and PG students. In the last year, Mr. Ramka Divesh stood second merit rank (Silver medal) and Ms. Ravina Dhaage stood first merit rank (Gold medal) in SRTM University, Nanded. Every year students of Department stood in meritorious rank in MADHYA Mathematical Competition, Ramanujan Mathematical Competition and MMS Seminar competition of the university.

Abstract / Paper Submission :

The original unpublished papers are invited for presentation in the conference. The selected and peer reviewed papers which are presented in the conference will be published in the special issue of the Journal of the Universal Print. The abstract will be published in abstract book of the conference. The papers and abstracts may kindly be sent to the convener by email icmaa2017@gmail.com, siddheshbellare@gmail.com or by online submission to the website www.dclatur.org/icmaa2017

| Important Dates | | | |
|--|--------------------------------------|--|--|
| Registration & Submission of Abstract Deadline | 30 th Jan., 2017 | | |
| Notification of Abstract Acceptance | 10 days after submission of abstract | | |
| Submission of Full Paper Deadline | 10 th Feb., 2017 | | |
| Early Registration & Payment Deadline | 30 th Jan., 2017 | | |
| Late Registration & Payment Deadline | 20 th Feb., 2017 | | |
| Duration of ICMAA-2017 | March 6 - 8, 2017 | | |

Registration Fees :

| S.N. | Particulars | On or before 30 th Jan., 2017 | Latur | + Accommodation fee (if needed) |
|------|-------------------|--|------------|---------------------------------|
| 1. | Foreign Delegates | USD 150/- | USD 200/- | USD 100/- |
| 2. | Faculty Members | Rs. 3000/- | Rs. 3500/- | Rs. 1000/- |
| 3. | Research Scholars | Rs. 2000/- | Rs. 2500/- | Rs. 1000/- |
| 4. | PG Students | Rs. 1000/- | Rs. 1500/- | Rs. 800/- |

Registration fees includes Conference kit, Abstract book/Proceeding book, Special Issue of Journal, Tea, Breakfast, Lunch, Dinner during the conference period.

Abstract may be sent to the secretariat/uploaded via www.dclatur.org/icmaa2017 by 30th Jan 2017 in the Template as per given on the website. The registration fees may be paid online / D.D. on the Account of "Principal, Dayanand Science College, Latur". Bank Name : State Bank of Maharashtra, MIDC Branch, Latur Account No. : 20102232023, IFS Code : MABH0000928, MICR No. : 413014901

Accommodation :

Accommodation will be provided on prior request to the near place in the hotel/guest house on payment basis or the participant may book accommodation directly on the following contacts.

| S.N. | Name of Hotel | Phone No. | Web Email-ID |
|------|-----------------------------|---------------------|--|
| 1. | Hotel Grand International | (+91-0) 2382 220111 | www.vishalotelatur.com |
| 2. | Hotel Embassy International | (+91-0) 2382253070 | hotelmembassy@gmail.com |
| 3. | Carnival Resort (Inter.) | (+91-7870505022 | www.carnivalresort.com |
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| 7. | Hotel Sai | (+91-8923954000 | hotelatalur@gmail.com |
| 8. | Hotel Sudarshan Palace | (+91-0)2382 259775 | www.hotelgpd.com |
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| 10. | Hotel Aruna | (+91-0)2382 222245 | www.arunahotel.co.in |

ATR of ICMAA2021

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International Conference on Mathematical Analysis and its Applications

ICMAA-2017

March 5 - 9, 2017

: Organized by :

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ABSTRACT BOOK




शमीमा सिद्दिकी
SHAMIMA SIDDIQUI
उप-प्रमुख, राष्ट्रपति की प्रेस सचिवालय
Deputy Press Secretary
to the President of India

राष्ट्रपति सचिवालय,
राष्ट्रपति भवन,
नई दिल्ली-110004.
PRESIDENT'S SECRETARIAT,
RASHTRAPATI BHAVAN,
NEW DELHI - 110004.

MESSAGE

The President of India, Shri Pranab Mukherjee, is happy to know that the Dayanand Science College, Latur is organizing an International Conference on Mathematics Analysis and its Applications (ICMAA-2017) during March 5-9, 2017.

The President extends his warm greetings and felicitations to the organisers and participants and sends his best wishes for the success of the Conference.



Deputy Press Secretary to the President

New Delhi
February 23, 2017

Tel. (O) : 91-11-23783528 (Direct), 91-11-23015321 Extn. 4442, Fax : 91-11-23010252
E-mail : message@rpfrc.in

Devendra Fadnavis
Chief Minister
Maharashtra


Mantralaya
Mumbai-400 032
20th February 2017

MESSAGE

It gives me immense pleasure that Dayanand Science College, Latur is organizing an international conference on Mathematics Analysis and Its Application, (ICMAA-2017) with a view to providing opportunity to participants to exchange new innovative ideas and experiences to establish current research work in mathematical science.

I congratulate the Dayanand College for organizing the conference to create a platform for young and promising researchers to discuss their problems with their peers. I hope that this conference will provide a springboard to the upcoming experts and give a chance to know about the latest developments in the field of research and knowledge.

I extend my best wishes to all those involved in the effort.



(Devendra Fadnavis)

Tel. : 022-2202 5151/2202 5222, Fax : 022-2202 9214
E-mail : cm@maharashtra.gov.in, Website : www.maharashtra.gov.in

MINISTER
MAHARASHTRA STATE

Minister for
School Education, Sports and
Youth Welfare, Higher and Technical
Education, Marathi Bhasha, Cultural
Affairs, Minorities Development and
Wakf

Government of Maharashtra
Mantralaya, Mumbai 400 032
www.maharashtra.gov.in

Date : 13.02.2017

MESSAGE


I was pleased to hear about the International Conference on Mathematics Analysis and its Application (ICMAA-2017) by your Institution, Dayanand Science College, Latur. The key focus of such conference should be on exploring the newer developments in the field of Mathematics and the spread of its knowledge, opens newer avenues to the subject.

Mathematics is one subject that is often perceived as difficult by many students. Such conferences should explore alternative teaching methods that would help in eliminating this wrong perception and encourage students to take interest in the subject.

I wish you my very best for the work initiated by your institution and hope you continue to put in the good work.

All the best for the conference and all future ventures!

Thank you.



Yours,
(Vinod Tawde)


MESSAGE

I am glad to know that the Department of Mathematics, Dayanand Science College, Latur is organizing, "International Conference on Mathematical Analysis and its Applications(ICMAA2017)" during 6th-8th March,2017.

The topic of the conference covers all the aspects of Modern as well as classical mathematical analysis. Discussion on applied aspect of mathematical analysis will help fresh researchers to connect rich theory of mathematical analysis to other branches of mathematics, as well as specialized research in other scientific areas.

I am fully aware of the academic traditions of Dayanand Science College (an affiliated College of SRTM University, Nanded) . I am certain that overall conduct of ICMAA 2017 will be of high standard; benefiting all the delegates.

With Best Wishes



Dr. Sarjerao Nimse
Former Vice-Chancellor,
Lucknow University, Lucknow



International Conference Photo





















2017

The Electronic Project Proposal Management System, For SERB

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)

5 & 5A, Lower Ground Floor
Vasant Square Mall
Sector-B, Pocket-5
Vasant Kunj
New Delhi - 110 070

Assistance to Professional Bodies and Seminar Symposia

File Number: SSY/2016/000095

Dated: 10-Jan-2017

Subject: Application titled "International Conference on Mathematical Analysis and its Applications (ICMAA2017)"

Dear Dr. Sidheshwar Sangramappa Bellale,
The application seeking for financial assistance to organize the above cited event under "Assistance to Seminar / Symposia Scheme" has been partially recommended by Science and Engineering Research Board (SERB) for funding.

The committee recommended Rs. 1,00,000/- .

Kindly follow the below steps only then you will be able to acknowledge the approval letter:

1. Go to www.serbonline.in through your credentials
 2. Go to Menu --> Proposal submission --> View submitted proposals
 3. Click on the link under Status column "Proposal Approved, Acknowledgment pending from PI"
- Intimation for further processing of your file will be sent by online system shortly.
Kindly quote the reference number in all future correspondence.

With kind regards,
(Dr. Ramesh Vijayan)
Scientist C
Ph:

Email: ms_seminar@serbonline.in

Dr. Sidheshwar Sangramappa Bellale
Mathematics

Dayanand Science College, Latur , Barshi Road, Latur, Latur, Maharashtra-413512



पञ्जीकृत पत्र
Registered Letter



भारतीय राष्ट्रीय विज्ञान अकादमी
बहादुर शाह ज़फर मार्ग, नई दिल्ली - 110 002

A/C No. 12499
Dated: 28/02/17

- 3 MAR 2017

Dr. SS Bellale
Head of Department
Director of Mathematics Research Centre
Dayanand Science College
Barshi Road, Latur
Maharashtra-413512

कृपया संलग्न चैक/ड्राफ्ट सं. 258813 दिनांक 22.02.2017 रुपये 30000.00 के लिए भारतीय स्टेट बैंक, आई.पी.एस्टेट, नई दिल्ली से आहरित निम्नलिखित बिल/मीटिंग हेतु भेजा जा रहा है।

कारण/on account of: International Conference on Mathematical Analysis and its Application, Dayanand Science College, Latur, during, Dec. 2016. (SP/C-2)

(Sunil Zokarkar)
Deputy Executive Director (F&A)



INDIAN NATIONAL SCIENCE ACADEMY
Bahadur Shah Zafar Marg, New Delhi-110002

Madhu Marwah
Programme Officer (S.P.)

No. SP/C-2/2016-17
17 May 2016

187

Dr. S.S. Bellale
Head of Department
Director of Mathematics Research Centre
Dayanand Science College
Barshi Road, Latur
Maharashtra - 413512

Sub: International Conference on "Mathematical Analysis and its Application" to be held at Dayanand Science College, Latur during 5-9 December, 2016.

Dear Dr. Bellale,

I am directed to inform you that the Academy has been pleased to accord sanction of an ad-hoc grant of Rs. 30,000/- (Rupees Thirty Thousand Only) for the above Conference/ Seminar/ Symposium/ Winter School/ Workshop to meet the expenditure on printing of abstract/proceedings/TA/DA of the participants (Specially Young Scientists). This is further subject to the following conditions:

1. Grant will be released three months prior to the commencement of the meeting and on receipt of the enclosed claim bill duly filled in;
2. Grant will be sent to the Institute by cheque, drawn in favour of the Registrar/Director;
3. Due acknowledgement will have to be made for the grant received from the Academy for the purpose;
4. Invitation cards, programme, abstracts, printed proceedings and other documents related to the Conference/Symposium/Seminar will be sent to the Academy for reference;
5. An overall activity report by the Convener/Chairman of the Organizing Committee be



Government of India
NATIONAL BOARD FOR HIGHER MATHEMATICS
Department of Atomic Energy

CSM Marg,
Mumbai 400 001

NBHM/Conf.200/2016/

TRAF

2.12.2016

Please refer to NBHM recommendation letter No. NBHM/Conf.200/2015/43 dated 10.2.2016 approving Rs.1,20,000/- to the Conference of Dr.Sidheshwar S.Bellale, Director, Mathematics Research Center, Dayanand Science college, barshi Road, Latur, Maharashtra-413 512. He had written to me that due to some unavoidable circumstances the said conference scheduled to be held during Dec.5 to 9, 2016 had to reschedule it during March 5 to 9, 2017 at Dayanand Science college, Latur, Maharashtra.

This change is approved and Dr.Sidheshwar S.Bellale please be allowed to spent the approved amount for the workshop which is now rescheduled.

NBHM

OPA Inward

No. 2104

Date 16/01/17

Under Secretary (R&D-II),
DAE.


(Anil Bajpai)
Member Secretary

✓ cc. Dr.Sidheshwar S.Bellale,
Director, Mathematics Research Center,
Dayanand Science college, Barshi Road,
Latur. Maharashtra-413 512.



Head
Dept. of Mathematics :
Dayanand Science College
Latur



IQAC - Coordinator
Dayanand Science College,
Latur, M.S. (INDIA)



Principal
Dayanand Science College
LATUR 413512