



# INTERNATIONAL SYMPOSIUM

on

## ALGEBRA, ANALYSIS AND THEIR APPLICATIONS

DECEMBER 22, 2017

Organized by  
**DEPARTMENT OF MATHEMATICS**  
**INTEGRAL UNIVERSITY**  
 LUCKNOW-226026  
 INDIA

**Chief Patron**  
*Prof. S. W. Akhtar*, Hon'ble Chancellor, Integral University

**Patron**  
*Prof. Jamal Mohd. Arif*, Hon'ble Vice Chancellor, Integral University

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*Prof. I. A. Khan*, Registrar  
*Dr. Syed Nadeem Akhtar*, Director, Planning & Research  
*Prof. Aqil Ahmad*, Controller of Examinations  
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### About the University:

Integral University, a seat of educational excellence, is a premier university of Lucknow. It is rather historic than an engineering college which was established in the year 1998 was elevated in record time of 6 years to a full-fledged university in the year 2004 through an Act of Legislature of UP Government and approved by UGC under section 2(f) and 12(B) of UGC act 1956.

### About the Department:

The Department of Mathematics from its very inception aims to be a centre of excellence in Mathematics. The energetic and dedicated faculty are actively engaged in teaching and research. The vision of the Department is not only to transform young minds to be competent and motivated professionals but also to contribute to the overall development of the nation.

### About the Symposium:

Mathematics as a subject is widely used in every walk of life. In Science, Mathematics is an essential tool for nearly all scientific studies. Scientists use it in designing of experiments, analysis of the data, precise expression of their findings by Mathematical formulas and making predictions on the basis of these findings. Apart from this the role of Mathematics is quite significant in Social Sciences, Humanities and Management. Economists/Engineers use computers to create Mathematical models which are universally required for successful running of the country.

**Contact Persons: Dr. Zubair Khan : +91-9628605862, Dr. Waseem A. Khan : +91-8604625460**

**E-mail : isaaa2017@iul.ac.in, Website : isaaa2017.iul.ac.in**

### Convener

Dr. Zubair Khan

### Organizing Secretary

Dr. Waseem Ahmad Khan

### Program Coordinators

Dr. Mobin Ahmad  
 Dr. Abdul Wadood Khan  
 Dr. Shadab Ahmad Khan  
 Dr. Najmuddin Ahmad  
 Dr. Malik Rashid Jamal

### Organizing Committee

Dr. Zubair Khan  
 Dr. Mobin Ahmad  
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 Dr. Abdul Qudood  
 Dr. Mohd. Ghayasuddin  
 Dr. M. Aasim Khan  
 Dr. Khushbu  
 Mr. M. Aamir Qayyoom  
 Mr. Divesh Srivastava  
 Ms. Hilba Haroon  
 Ms. Nazneen Fatima  
 Mr. Muqem Ahmad  
 Ms. Preeti Shukla



## "International Symposium on Algebra, Analysis and their Applications" (ISAAA-2017) on December 22, 2017

3 messages

International Symposium On Algebra Analysis And their Applications

Tue, Dec 12, 2017 at 10:31

&lt;isaaa2017@iul.ac.in&gt;

AM

To: heads@iul.ac.in, Head Agricultural Science & Technology <headagr@iul.ac.in>, Head Architecture <headarch@iul.ac.in>, Deans@iul.ac.in, "Prof. Jamal Arif" <pvc@iul.ac.in>, Dean Academic Affairs Integral University <deanaa@iul.ac.in>, Ahmad Ghazali Kidwai <agkidwai@iul.ac.in>, "Mohd. Yusuf Kidwai" <mykidwai@iul.ac.in>, Dean Architecture <deanarch@iul.ac.in>, Director IAST <diriast@iul.ac.in>, Controller of Examination <coe@iul.ac.in>, Director Academic Staff College <directorasc@iul.ac.in>, Irfan Ali Khan <registrar@iul.ac.in>, Syed Nadeem Akhtar <snadeem@iul.ac.in>, Dean Student Welfare <dsw@iul.ac.in>, Software Development Cell IU <sdcc@iul.ac.in>, IT HelpDesk IU <ithelpdesk@iul.ac.in>

Greetings,

**Dear Deans, Heads and Faculty**

It gives me immense pleasure to announce that the Department of Mathematics, Integral University, Lucknow is organizing an **"International Symposium on Algebra, Analysis and their Applications" (ISAAA-2017) on December 22, 2017**. The motive of this event is to provide exposure to the academicians and technocrats about the latest advancements and developments in the area of Mathematics in order to cater the industrial and academic needs of future.

You are requested to kindly encourage your faculty and students to participate in this prestigious event. The symposium will be graced by the following dignitaries:-

**Chief Patron:** Prof. S.W. Akhtar, Hon'ble Chancellor, Integral University, Lucknow

**Patron:** Prof. Jamal Mohd. Arif, Hon'ble Vice Chancellor, Integral University, Lucknow

**Co-Patrons:** Prof. I. A. Khan, Registrar, Integral University, Lucknow

Dr. Syed Nadeem Akhtar, Director, Planning & Research

Prof. Aqil Ahmad, Controller of Examinations

Prof. Syed Aqeel Ahmad, Director, HRDC

**Chief Guest:** Prof. Syed Tariq Rizvi, Ohio State University, USA

**Distinguish Guests:** Dr. P. K. Banerji (Professor Emeritus)

J. N. Vyas University, Jodhpur, India,

Prof. Manjul Gupta, I.I.T. Kanpur, India

Prof. Deepak Singh, NITTTR, Bhopal, India

**Guest of Honor:** Prof. M. A. Pathan, Visiting Scientist, Centre for Mathematical Sciences, Kerala, India.

You are also requested to kindly submit abstracts which will be published in the Souvenir of the International Symposium. For any query, feel free to contact at [isaaa2017@iul.ac.in](mailto:isaaa2017@iul.ac.in)



## International Symposium on Algebra, Analysis and Their Application (ISAAA-2017)

### List of Participants (Online Registration)

S.No.	Name	Affiliation	Email	Title of Presentation	Payment Status	Signature Kit recieved	Signature Certificate recieved
1.	Mr. ABDUS SALAM	Aligarh Muslim University	<a href="mailto:salam.abdus92@gmail.com">salam.abdus92@gmail.com</a> 9045799192	Congruences and Green's relations On Legal Semigroups			
2.	Mr. Ahsan Mahboob	Aligarh Muslim University	<a href="mailto:khanahsan56@gmail.com">khanahsan56@gmail.com</a> 9045733097	On Green-Kehayopulu type (m,n)-relations on le-semigroups and characterization of various (m,n)-type simple poe- semigroups			
3.	Ms. Aisha Jabeen	Aligarh Muslim university	<a href="mailto:ajabeen329@gmail.com">ajabeen329@gmail.com</a> 9044470261	MULTIPLICATIVE LIE TRIPLE HIGHER DERIVATION ON UNITAL ALGEBRA			
4.	Mr. MOHD AMAN	Aligarh Muslim university	<a href="mailto:mohdaman.maths@gmail.com">mohdaman.maths@gmail.com</a> 8376054344	GENERATING FUNCTIONS FOR LEGENDRE-BASED POLY-BERNOULLI NUMBERS AND POLYNOMIALS	Yes		
5.	Mr. RAJAT VAISH	Aligarh Muslim university	<a href="mailto:rajatvaish6@gmail.com">rajatvaish6@gmail.com</a> 9412655033	Approximation of common zero points of two (I-H)- accretive mappings			
6.	Mr. Aadil Hussain Dar	Aligarh Muslim university	<a href="mailto:daraadil555@gmail.com">daraadil555@gmail.com</a>	Gap function, regularized gap function and D-gap function for extended generalized mixed variational inequality			

7.	Mr. Mohammad Aslam Siddeeqe	Aligarh Muslim university	<a href="mailto:aslamsiddeeqe@gmail.com">aslamsiddeeqe@gmail.com</a>	GENERALIZED $\ast$ - $i$ - $n$ -DERIVATIONS IN RINGS WITH INVOLUTION AND COMMUTATIVITY			
8.	Mr. Faem Ali	Aligarh Muslim university	<a href="mailto:faemrazaamu@gmail.com">faemrazaamu@gmail.com</a>	Fixed point theorems using an iterative scheme to approximate fixed points of Suzuki's generalized non-expansive mappings			
9.	Mr. Iqbal Ahmad	Aligarh Muslim university	<a href="mailto:iqbalahmad120@gmail.com">iqbalahmad120@gmail.com</a>	Generalized Composite Vector Equilibrium Problem			
10.	Mr. Mohd Ahasan	Aligarh Muslim university	<a href="mailto:ahasan.amu@gmail.com">ahasan.amu@gmail.com</a>	The Dunkl generalization of Stancu type $q$ -Sz'asz-Mirakjan-Kantrovich operators and Some approximation results.			
11.	Mr. Mohd. Sarfaraz	Aligarh Muslim university	<a href="mailto:sarfarazm820@gmail.com">sarfarazm820@gmail.com</a> 9997209089	Denoising method based on wavelet coefficients via diffusion equation			
12.	Mr. Mohd. Ishtyak	Aligarh Muslim university	<a href="mailto:ishtyakalig@gmail.com">ishtyakalig@gmail.com</a>	Vector variational inequality involving set-valued mappings			
13.	Dr. Muzibur Rahman Mozumdar	Aligarh Muslim university	<a href="mailto:muzibamu81@gmail.com">muzibamu81@gmail.com</a>	Derivations in rings with involution			
14.	Mr. Owais Khan	Aligarh Muslim university	<a href="mailto:owkhan05@gmail.com">owkhan05@gmail.com</a>	Gap functions and error bounds for generalized set-valued mixed variational inequality			
15.	Mr. Sajjad Ahmad	Aligarh Muslim	<a href="mailto:paryamu@gmail.com">paryamu@gmail.com</a>	Commutator having idempotent values with automorphisms in			

	Pary	university		semiprime rings			
16.	Ms. Shagufta Rahman	Aligarh Muslim university	<a href="mailto:rahmanshagufta14@gmail.com">rahmanshagufta14@gmail.com</a>	Approximation by generalized Stancu type integral operators involving Sheffer polynomials			
17.	Mr. Mohd. Shuaib Akhtar	Aligarh Muslim university	<a href="mailto:mshuaibakhtar@gmail.com">mshuaibakhtar@gmail.com</a>	Characterizations of Lie triple higher derivations of triangular algebras by local actions			
18.	Ms. Tabinda Nahid	Aligarh Muslim university	<a href="mailto:tabindanahid@gmail.com">tabindanahid@gmail.com</a>	Several characterizations of unified Apostol type-truncated exponential-Gould-Hopper polynomials			
19.	Ms. Umme Zainab	Aligarh Muslim university	<a href="mailto:umme.zainab15@gmail.com">umme.zainab15@gmail.com</a>	Umbral treatment of 3- variable Hermite Polynomial			
20.	Mr. Abdul Gaffar	University of Lucknow	<a href="mailto:salam.abdus92@gmail.com">salam.abdus92@gmail.com</a>	Digital Image Encryption based on Chaotic map			
21.	Mr. Punit Kumar Singh	University of Lucknow	<a href="mailto:singhpunit1993@gmail.com">singhpunit1993@gmail.com</a>	SLANT LIGHTLIKE SUBMERSIONS FROM AN INDEFINITE NEARLY KÄHLER MANIFOLD INTO A LIGHTLIKE MANIFOLD			
22.	Ms. Ambreen Bano	Aligarh Muslim university	<a href="mailto:ambreenbn9@gmail.com">ambreenbn9@gmail.com</a>	Multiplicative (generalized)-derivations and left multipliers in semiprime rings			
23.	Dr. Praveen Prakash Pathak	University of Lucknow	<a href="mailto:praveen_su4yahoo.co.in">praveen_su4yahoo.co.in</a> 9919676669	Effect of Radioactive heat transfer on shock waves in two dimensional flow of a non ideal gas			

24.	Mr. Rahul pilkhwal	Integral University	rahulpilk@iul.ac.in		Yes		
25.	Mujeeb beg	Integral University	mbeg@iul.ac.in				
26.	Jagannath Dixit	Integral University	jdixit@iul.ac.in		Yes		
27.	Haziqul yaquin	Integral University	hyaquin@gmail.com				
28.	Vijay Kumar Tiwari	S.K.D Academy/ j	vijaytiwari.sitm@gmail.com				
29.	Avanish Shahi	Banaras Hindu University	avanishshahi123@gmail.com				
30.	ABU BAKER	Integral University	karimabubaker@gmail.com				
31.	Vishnu Baran Mauraya	S.K.D Academy	amitsaxena.1976@gmail.com				
32.	MOHAMMAD MIYAN	SHIA P. G. COLLEGE, LUCKNOW UNIVERSITY	miyanmohd@rediffmail.com		Yes		
33.	Dr. Anuj Kumar Agarwal	School of Management Sciences, Lucknow	anuj.kumaragarwal20@gmail.com				

34.	DEEPAK KUMAR	University of Lucknow	deepakpatel0412@gmail.com	TWO FLUID FLOW AND HEAT TRANSFER IN A CHANNEL FILLED WITH VARIABLE PERMEABILITY POROUS LAYERS.			
35.	Mr. Chandra Praksah Shukla	Saraswati Vidya Mandir Inter College, Bahraich	cpshukla1980@gmail.com				
36.	Mr. Niharika Verma	University of Lucknow	niharika.verma48@gmail.com	A Mathematical Model to Study the Effect of Environmental Tax for CO <sub>2</sub> on the Forestry Biomass Depleted by Industrialization			
37.	PUSHPENDRA VERMA	University of Lucknow	pushpendra140690@gmail.com	ON $W_7$ - CURVATURE TENSOR OF GENERALIZED SASAKIAN-SPACE-FORMS			
38.	Pramod Kumar Rawat	University of Lucknow	pramodkrawat@yahoo.com	Identities connected with Ramanujam's continued fraction			
39.	PUNIT KUMAR SINGH	University of Lucknow		SLANT LIGHTLIKE SUBMERSIONS FROM AN INDEFINITE NEARLY KÄHLER MANIFOLD INTO A LIGHTLIKE MANIFOLD			
40.	Mr. Tauseef Rashid	Aligarh Muslim University	tawseefrashid123@gmail.com	Strong Coupled Fixed point For $(\phi, \psi)$ -Contraction Type Coupling in Metric Spaces.			
41.	Sariya Bano	University of Lucknow	sariya0507@gmail.com	MODIFIED HERMITE INTERPOLATION			



				ON THE UNIT CIRCLE			
42.	Manindra Kumar Srivastava	School of Management Sciences Technical Campus, Lucknow, India	mohitmanindra83@yahoo.co.in	A Model for Transmission Dynamics of HIV/AIDS Virus incorporating Inspection Program for Sero-positives in a Sexually-Structured Context			
43.	Syed Aftab Haider	Shia P. G. College, Lucknow-226020	aftabhaider123@gmail.com	AN EXACT SOLUTION OF STRONG PLANAR SHOCK WAVES IN A NON-IDEAL GAS WITH DUST PARTICLES			
44.							

## International Symposium on Algebra, Analysis and Their Application (ISAAA-2017)

### List of Participants

S.No.	Name	Affiliation	Email	Payment Status	Kit Received and Signature
1.	Akanksha Patel	Integral University		300	
2.	Aman Srivastva	Integral University		300	
3.	Ana Siddiqui	Integral University		300	
4.	Ananya Nigam	Integral University		300	
5.	Bal Mukund Singh	Integral University		1000	
6.	Brij Mohan Singh	Goel Institute of Technology		1000	
7.	Deepak Kumar	Lucknow University		1000	
8.	Divesh Srivastva	Polytechnic Integral University		1000	
9.	Dr. Abdul Quddoos	Integral University		1000	
10.	Dr. Abdul Wadood Khan	Integral University		1000	
11.	Dr. Akmal Husain	Dehradoon Petroleum University		1000	
12.	Dr. Idrees Ahmad Khan	Integral University		1000	
13.	Dr. Malik Rashid Jamal	Integral University		1000	
14.	Dr. Mobin Ahmad	Integral University		1000	
15.	Dr. Mohd. Aasim Khan	Integral University		1000	
16.	Dr. Mohd. Ghayasuddin	Integral University		1000	

17.	Dr. Quazzafi Rabbani	Integral University		1000	
18.	Dr. Sameena Saba	Integral University		1000	
19.	Dr. Shadab Ahmad Khan	Integral University		1000	
20.	Dr. Sheeba Rizvi	Integral University		1000	
21.	Dr. Zubair Khan	Integral University		1000	
22.	Hiba Haroon	Polytechnic Integral University		1000	
23.	Jyoti Verma	Integral University		300	
24.	Khan Farah Deebea	Integral University		1000	
25.	Mohd. Aamir Qayyoom	Integral University		1000	
26.	Mohd. Salman (B.Sc. II)	Integral University		300	
27.	Mr. Afroz Ahmad	Integral University Campus, Shahjahanpur		1000	
28.	Mr. Mohd. Asif	Integral University		1000	
29.	Mr. Nikhil Singh	Integral University		300	
30.	Mr. Vivek Kumar Singh	Integral University		300	
31.	Ms. Darakshan Bano	Integral University		1000	
32.	Ms. Iqra Ansari	Integral University		300	
33.	Ms. Shaikh Hina Mohsin	Integral University		300	
34.	Muqeem Ahmad	Polytechnic Integral University		1000	
35.	Najeeb Ahmad Khan	Integral University		300	
36.	Nazneen Fatima	Polytechnic Integral University		1000	
37.	Niharika Verma	Lucknow University		1000	
38.	Nisha Khanam	Integral University		1000	
39.	Preeti Shukla	Integral University		1000	

40.	Promod Kumar Rawat	Lucknow University		1000	
41.	Pushpendra Verma	Lucknow University		1000	
42.	Shahina Khan	Integral University		300	
43.	Shailja Tripathi	Integral University		300	
44.	Shilpi Nigam	Integral University		300	
45.	Shiv Charan	Integral University		1000	
46.	Syed Aftab Haider	Shia P.G. College		1000	
47.	Vimal Pratap Singh	Integral University		1000	
48.	Zaveriya Fatima	Integral University		300	

**INTERNATIONAL SYMPOSIUM**  
*on*  
**Algebra, Analysis and their Applications**  
**(ISAAA-2017)**  
**INAUGURAL FUNCTION**  
**MINUTE TO MINUTE PROGRAM**

<b>December 22, 2017 (FRIDAY)</b>	
09:30 to 09:35 AM	Anchoring by <b>Dr. Sheeba Rizvi</b> , Asstt. Professor, Department of Mathematics, Integral University Bouquet Presentation
09:35 to 09:40 AM	Welcome address by <b>Dr. Zubair Khan</b> , Convener & Head, Department of Mathematics, Integral University
09:40 to 09:50 AM	Introductory Remark by <b>Prof. Jamal M. Arif</b> , Hon'ble Vice Chancellor, Integral University
09:50 to 10:00 AM	Address by <b>Prof. M.A. Pathan</b> , Centre for Mathematical Sciences, Kerala, India
10:00 to 10:10 AM	Address by <b>Prof. P.K. Banerji</b> , J.N. Vyas University, Jodhpur, India
10:10 to 10:20 AM	Address by <b>Prof. Syed Tariq Rizvi</b> , Ohio State University, USA
10:20 to 10:30 AM	Address by <b>Prof. S.W. Akhtar</b> , Hon'ble Chancellor, Integral University
10:30 to 10:40 AM	Presentation of University Mementoes Vote of Thanks by <b>Dr. Waseem A. Khan</b> , Organizing Secretary, Department of Mathematics, Integral University
10:40 AM	National Anthem
<b>10:45 to 11:15 A.M. (HIGH TEA)</b>	



Prof. M. A. Pathan

Centre for Mathematical & Statistical  
Sciences, Kerala, India

Guest of Honor  
ISAAA-2017



Prof. Syed Tariq Rizvi

Ohio State University, USA

Chief Guest  
ISAAA-2017