



**UNIVERSITY OF ELBASAN "ALEKSANDËR XHUVANI",
ALBANIA**

**1-st International Scientific Conference in Mathematics and Physics,
and their applications (1-st ISCMPA)**

03 – 04 November, 2022

FACULTY OF NATURAL SCIENCES

Mathematics Department & Physics Department

In Cooperation with

Istanbul Commerce University, Turkey
Sofia University "St. Kliment Ohridski", Bulgaria
New Jersey Institute of Technology, College of Science & Liberal Arts
University of Giessen, Germany
Aligarh Muslim University, Uttar Pradesh, India
Abdul Wali Khan University Mardan, Pakistan
TU Bergakademie Freiberg
South East European University, Tetovo, Macedonia
Pristina State University
The State University of Tirana, Albania
The Agricultural University of Tirana, Albania
University of Durrës "Aleksandër Moisiu", Albania
University of Vlora "Ismael Qemali", Albania
Institute of GeoSciences



UNIVERSITY OF ELBASAN
"ALEKSANDËR XHUVANI"
Faculty of Natural Sciences



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MATHEMATICS



PHYSICS

1-st ISCMPA

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03-04 November, 2022



Conference website: www.ISCMPA.com

1-st International Scientific Conference in Mathematics and Physics, and their applications will be held in Elbasan, Albania, during 03 – 04 November, 2022.

This conference will provide an interactive forum for presentations and discussions on Mathematics and Physics and their applications in different fields of life. We welcome participants from all over the world who are interested in developing professional research, exploring and sharing their achievements in these fields.

The conference should serve as an ideal forum for establishing national and international relationships between researchers.

This brings together innovative academics and industrial experts in these fields (related fields) in a common forum.

The primary goal of the conference is to promote research and developmental activities in Mathematics and Physics. Another goal is to promote scientific information interchange between researchers, developers, engineers, students and practitioners.

The Mathematics Department is known for earlier conferences held at the University of Elbasan mentioning:

- 1-st International Conference in Algebra and Functional Analysis, held on June 28, 2007 at University of Elbasan.
- 2-nd International Conference in Algebra and Functional Analysis, held on 28-29 June , 2008 at University of Elbasan.
- 3-rd International Conference in Algebra and Functional Analysis, held on 15-16 May , 2009. at University of Elbasan.
- 4-th International Conference in Algebra and Functional Analysis, UE, held on 14-15 May 2010 at University of Elbasan.
- 1-st IWBCMS – 2013, 1st International Western Balkans Conference of Mathematical Sciences, held on May 30 – June 1, 2013 at University of Elbasan.

Scientific and Editorial Committee

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Dr. Blerina Papajani, University of Elbasan “Aleksandër Xhuvani”, Albania
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Dr. Genti Progri, University of Elbasan “Aleksandër Xhuvani”, Albania
Dr. Idajet Selmani, University of Elbasan “Aleksandër Xhuvani”, Albania

Goal of Conference

1-st International Scientific Conference in Mathematics and Physics and their applications, aims to bring together the scientific community of mathematicians, physicists and researchers inside and outside Albania, to share research data and discuss about them.

The Scientific Community is invited to contribute the results related to researches in the fields of Mathematics, Physics and their applications in various fields of life.

The organization and development of this conference will be a product of the cooperation of Faculty of Natural Sciences at the University of Elbasan with The State University of Tirana, The Agricultural University of Tirana, University of Durrës "Aleksandër Moisiu", University of Vlora "Ismail Qemali", The Istanbul Commerce University, Turkey, University of Giessen, Germany, Aligarh Muslim University, Uttar Pradesh, India, Abdul Wali Khan University, Mardan, Pakistan, TU Bergakademie Freiberg, Germany, South East European University, Tetovo, Macedonia, Prishtina State University, Sofia University "St. Kliment Ohridski", Bulgaria, Institute of GeoSciences (IGEO).

It is planned that the Conference will take place on 03-04 November 2022, at the Faculty of Natural Sciences, University of Elbasan, "Aleksandër Xhuvani", Albania.

The scope of this scientific project is to promote the latest results in Mathematics and Physics, to establish a researchers network, also to provide the continuity of co-operations.

Conference objectives

- To demonstrate scientific results and create research fields perspectives
- To create and consolidate research groups on particular fields of study.
- To exchanges experiences among researchers.
- To access information on latest results directly from the researchers of the respective fields.
- To establish the continuity collaboration among the researchers of related fields.
- To give the chance to new researchers, especially the PhD students and new staff of universities, to promote their research work.
- To give the opportunity to the talented students to participate actively by presenting their scientific work.

Conference Topics

The following list covers some of the topics to be presented at **1-st ISCMPA**, 2022. Papers on other subjects related to the objectives of the conference are also welcome.

Mathematics topics

- Mathematical logic and foundations
- Combinatorics
- Order, lattices, ordered algebraic structures
- General algebraic systems
- Number theory
- Field theory and polynomials
- Algebraic geometry
- Linear and multilinear algebra; matrix theory
- Associative rings and algebras
- Nonassociative rings and algebras
- Group theory and generalizations
- Real functions
- Measure and integration
- Functions of a complex variable
- Ordinary differential equations
- Partial differential equations
- Dynamical systems
- Difference and functional equations
- Sequences, series, summability
- Approximations and expansions
- Harmonic analysis on Euclidean spaces
- Integral transforms, operational calculus
- Integral equations
- Functional analysis
- Operator theory
- Calculus of variations and optimal control; optimization
- Geometry
- Differential geometry
- General topology
- Algebraic topology
- Probability theory and stochastic processes
- Statistics
- Numerical analysis
- Computer science
- Operations research, mathematical programming
- Mathematics education
- Fuzzy Mathematics
- Optimization

Physics Topics

- Nuclear Physics and Nuclear Energy
- Astronomy and Astrophysics
- Atomic and Molecular Physics
- High Energy Physics (Particles and Fields)
- Condensed Matter Physics and Statistical Physics
- Optics and Photonics
- Plasma and Gas-Discharge Physics

- Theoretical, Mathematical and Computational Physics
- Meteorology and Geophysics
- Environmental Physics – Alternative Sources of Energy
- Process automation
- Physics of Socioeconomic Systems and Applied Physics
- Biophysics and Medical Physics
- Physics Education, History and Philosophy of Physics
- Metrology and Instrumentation
- Fluid mechanics
- Classical thermodynamics, heat transfer

Benefits of Attending

Reviews: Abstracts and Full Papers are reviewed by members of the International Scientific Advisory Committee and other experts.

Conference Proceedings: Delegates will receive a copy of the papers presented at the Conference on a Proceedings book.

Publication of Papers: Selected Papers presented at 1st ISCMPA 2022 will be published by the Bulletin of University of Elbasan, with ISSN: 2221-5956.

Networking Participants can present their research and interact with experts from around the region, becoming part of a unique community.

Reduced Fee for PhD Students. The Organizers believe in the importance of encouraging PhD students to present and publish innovative research at their conferences. As a result, the organizers offer PhD students a much reduced conference fee.

Sessions to be held at the conference:

- Plenary session
- Posters Session
- Online session

Important Dates

Deadline for abstract submission	June 30, 2022
Acceptance of abstracts	July 15, 2022
Deadline for full paper submission	September 15, 2022
Acceptance of paper submission	October 01, 2022
Last Date of registration	October 15, 2022
Proceeding Book	November 03, 2022
Conference Date	03-04 November 2022

Venue

03-04 November 2022, University of Elbasan “Aleksandër Xhuvani”, Albania

Official language of the Conference will be English.

Key information:

For Registration fee please contact: filip.qosja@uniel.edu.al

For Abstract submissions, please provide:

Title : (Times New Roman, 14 pt, Capitalized)

Author(s) and affiliation(s)

Abstract (maximum 300 words)

Keywords and phrases (maximum 6)

References

Please send your Abstract submissions MS Word format via e-mail:

math.department.conference@uniel.edu.al

physics.department.conference@uniel.edu.al

Time of plenary and online presentation: 15 min.

Types of presentations: Specify plenary, poster or online presentation

Maximum of articles as first author: 2.

A confirmation email will be sent upon acceptance of each abstract and full paper to your email address.

For accepted abstracts please send your full paper submissions in MS Word format by e-mail:

math.department.conference@uniel.edu.al

physics.department.conference@uniel.edu.al

A confirmation email will be sent upon acceptance of each full paper to your email address

Publication:

All full paper submissions will be published in the conference proceedings after being reviewed by the Scientific and Editorial Committee.

Publication of Selected Papers presented at 1st ISCMPA 2022 are to will be published by the Bulletin of University of Elbasan, with ISSN: 2221-5956.

Please, do not hesitate to write us in the following e-mail addresses for paper submissions and any other info related to the conference organization:

physics.department.conference@uniel.edu.al

We would be grateful if you would share this Call for Attendance with your colleagues and associates.

FACULTY OF NATURAL SCIENCES

DEAN

Prof. Dr. Sotir MALI

