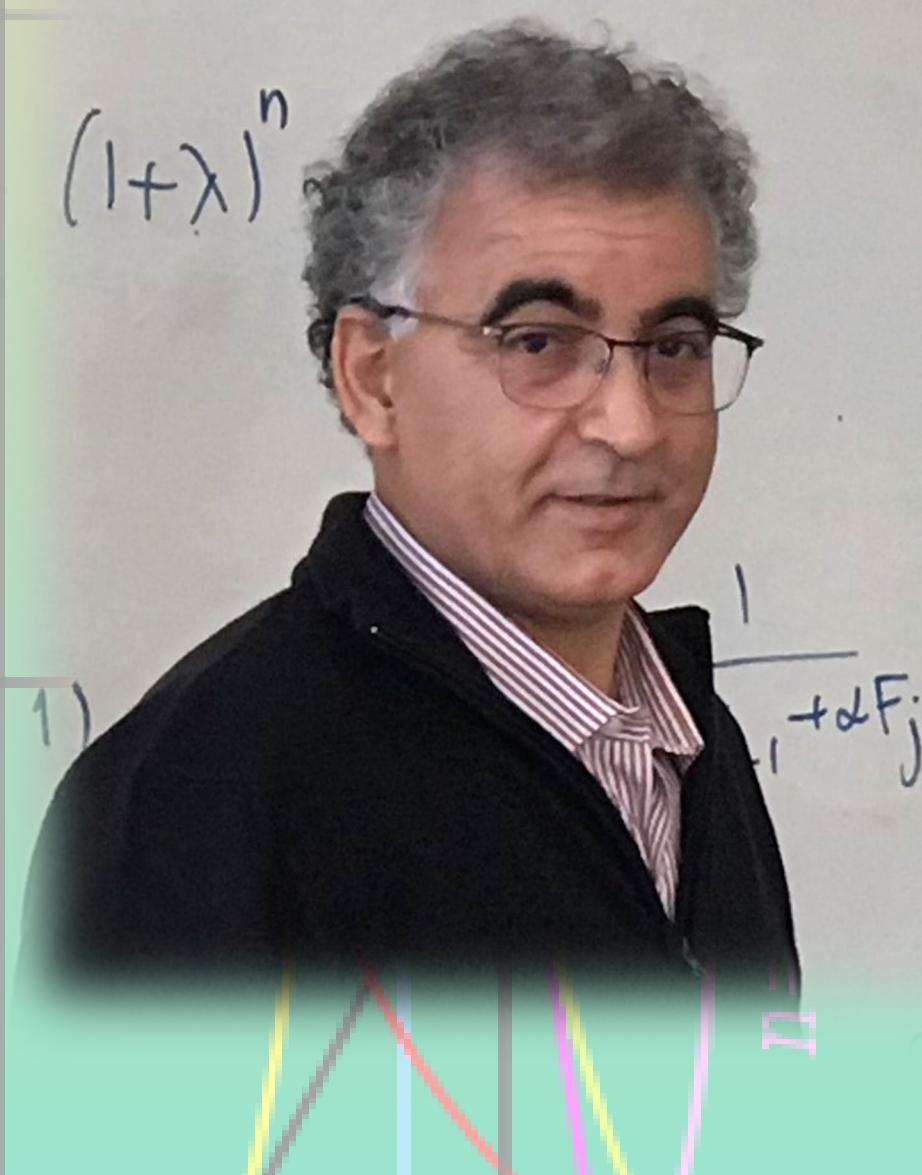


# MICOPAM 2024

The 7th Mediterranean International Conference of Pure & Applied Mathematics and Related Areas  
(MICOPAM 2024), dedicated to the respected mathematician Professor Abdelmejid BAYAD on the occasion of his 61st anniversary, held at Sherwood Dreams Resort Hotel in Antalya, TURKEY on October 26-29, 2024.



## PROFESSOR ABDELMEJID BAYAD

Citizen: French, Maried, 3 children

Current Position: Professor in Mathematics (2005 —)

Affiliation : LAMME ; CNRS (UMR 8071)

Université Paris-Saclay

Bâtiment I.B.G.B.I., 4ème étage, Bureau 412  
23 Bd. De France, 91037 Evry Cedex, France

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## Formation and Academic Positions:

- 1988 : Master in Pure Mathematics, Université Bordeaux 1.
- 1992 : Ph.D at Université Bordeaux 1.
- 1992–1994: Post-doc, University of Augsburg, Germany.
- 1994–1995 : Assistant Professor, Université de Bordeaux 1.
- 1995–1996 : Assistant Professor, Institut Fourier de Mathématiques, Université Grenoble 1.
- 1996–2005 : Associate Professor at Université d'Evry.
- 2005-...: Professor in Mathematics. Université d'Evry/ Université Paris-Saclay.

## Awards and Grants for Research by French Government:

- 2011-2015: “PRES” for Excellence in Research by CNU.
- 2015-2019: “PEDR” for Doctoral Supervision and Excellence in Research by CNU.
- 2019-2023: “PEDR” for Doctoral Supervision and Excellence in Research by CNU.
- 2023-2026: “RIPEC” for Excellence in Research by CNU.



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## Research Areas

### Pure Mathematics and Number Theory.

#### **Topics of my current research areas:**

- Finite sums and special functions, their applications.
- Partition functions and Hauptmodul of Modular curves,
- Stieljes constants and Regularization of Divergent series,
- Irregularity-regularity problems of Higher Bernoulli numbers and special values of L functions,
- Dedekind cocycles and Linking numbers,
- Study of the Ideal function and applications,
- Galois groups of Bernoulli polynomials,
- Davenport Expansions and Number theory functions.

#### **Topics of my research areas confirmed:**

- Partition functions and modular forms Dedekind sums,
- Modular forms, Zetas and L-functions, Codes and Graphs,
- Jacobi Modular forms,
- Mean values of L-functions,
- Annihilators of groups class, Elliptic Stickelberger elements.
- Galois Module Structure. Stark Conjecture.
- Reciprocity laws, Jacobi forms. Elliptic Dedekind sums.
- Problem of monogeneity of ring of integers of number fields. Complex multiplication. Schertz's Conjecture.
- Diophantine equations, Indices in number fields,

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## AIM AND SCOPE OF MICOPAM 2024:

The aim of the MICOPAM 2024 conference is to bring together leading scientists of the pure and applied mathematics and related areas to present their research, to exchange new ideas, to discuss challenging issues, to foster future collaborations and to interact with each other. MICOPAM 2024 conference will take place in a **hybrid** form with **Physical** and **Virtual (Online)** participation.

MICOPAM 2024 conference welcomes speakers whose talk or poster contents are mainly related to the following areas:

- ❖ **Mathematical Analysis**
- ❖ **Algebra and Analytic Number Theory**
  - ❖ Combinatorics and Probability
- ❖ **Pure & Applied Mathematics and Related Areas**
  - ❖ Mathematical Statistics and its applications
  - ❖ Recent Advance in General Inequalities
    - ❖ Mathematical Physics
  - ❖ Fractional Calculus and its applications
    - ❖ Polynomials and Orthogonal systems
    - ❖ Special numbers and Special functions
      - ❖ q- analysis and its applications
  - ❖ Approximation Theory and Optimization
    - ❖ Extremal Problems and Inequalities
- ❖ **Integral Transformations, Equations and Operational Calculus**
  - ❖ Differential Equations and their applications
    - ❖ Geometry and its applications
    - ❖ Numerical Methods and Algorithms
      - ❖ Scientific Computation
- ❖ **Mathematical Methods and Computation in Engineering**
  - ❖ Mathematical Geosciences
- ❖ **p-adic numbers, p-adic analysis and their applications**
  - ❖ Mathematical Modelling
  - ❖ Marketing, Business and their applications
- ❖ **Mathematical Methods for Engineering Applications**

## CONTACT



Email: [micopam2018@gmail.com](mailto:micopam2018@gmail.com)

Website: <https://micopam.com>



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## Scientific Committee

- ❖ Chandrashekhar Adiga, India
- ❖ Elvan Akin, USA
- ❖ Mustafa Alkan, Turkey
- ❖ Hacer Ozden Ayna, Turkey
- ❖ Abdelmejid Bayad, France
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- ❖ Nenad P. Cakić, Serbia
- ❖ Ismail Naci Cangul, Turkey
- ❖ Clemente Cesarano, Italy
- ❖ Ahmet Sinan Cevik, Turkey
- ❖ Junesang Choi, South Korea
- ❖ Fabrizio Colombo, Italy
- ❖ Dragan Djordjević, Serbia
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- ❖ Satish Iyengar, USA
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- ❖ Marija Stanić, Serbia
- ❖ Richard Tremblay, Canada
- ❖ Mustafa Gürhan Yalçın, Turkey
- ❖ Dora Pokaz, Croatia
- ❖ Öznur Kulak, Turkey
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## Organizing Committee

- ❖ Mustafa Alkan, Turkey
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## Heads of Organizing Committee

- ❖ Mustafa Alkan, Turkey
- ❖ Irem Kucukoglu, Turkey
- ❖ Ortaç Öneş, Turkey
- ❖ Yilmaz Simsek, Turkey
- ❖ Rahime Dere, Turkey
- ❖ Neslihan Kilar, Turkey
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## Invited Speakers of MICOPAM 2024

- ❖ Abdelmejid Bayad, (Université d'Evry, FRANCE)
- ❖ Tomislav Burić, (University of Zagreb, CROATIA)
- ❖ Daeyeoul Kim, (Jeonbuk National University, SOUTH KOREA)
  - ❖ Öznur Kulak, (Amasya University, TURKEY)
- ❖ Gradimir V. Milovanović, (Serbian Academy of Sciences and Arts, SERBIA)
  - ❖ Manuel López-Pellicer, (Universitat Politècnica de Valencia, SPAIN)
    - ❖ Mihaela Ribić Penava, (University of Osijek, CROATIA)
    - ❖ Dora Pokaz, (University of Zagreb, CROATIA)
  - ❖ Yilmaz Simsek, (Akdeniz University, TURKEY)

## PAPER SUBMISSION:

Conference participants are encouraged to submit their work by sending an email to the conference mail address: [micopam2018@gmail.com](mailto:micopam2018@gmail.com).

After evaluation process conducted by the reviewers selected from the scientific committee of the conference, accepted Full-text Proceedings (at least 2 pages long) will be published in "Proceedings Book of the 7th Mediterranean International Conference of Pure & Applied Mathematics and Related Areas (MICOPAM 2024)" (with ISBN number) and this book will be published after the conference is over. Hence, we would like to point out that at least one author of the accepted Full-text Proceedings must register and must attend to MICOPAM 2024 for presenting their studies.

## SUPPORTING JOURNALS:

The participants of the conference MICOPAM 2024 will have the right to submit their full manuscripts (compatible with the scope and publication policy of the corresponding journal) for peer review and possible publication in the following supporting journals:

- ❖ **Montes Taurus Journal of Pure and Applied Mathematics (ISSN: 2687-4814)** – [Indexed in Index Copernicus International (ICI Journals Master List), Google Scholar, Semantic Scholar, CiteFactor, Journal Factor (JF), and General Impact Factor (GIF)]

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**The conference MICOPAM 2024 is listing on the following Mathematics Calendars:**

❖ **American Mathematical Society (AMS) :: Mathematics Calendar,**

See: <https://www.ams.org/cgi-bin/mathcal/mathcalendar.pl>

❖ **European Mathematical Society (EMS) Events,**

See: <https://euromathsoc.org/events>

❖ **Conference Management Software (COMS) Calendar,**

❖ See: <https://conference-service.com/conferences/tr/mathematics-research.html>

