

MICOPAM 2026 – Conference Program Schedule

The 9th Mediterranean International Conference of Pure & Applied
Mathematics and Related Areas
Antalya-TÜRKİYE, November 5–8, 2026

Conference Venue

Sherwood Dreams Resort Hotel (Ultra All Inclusive), Antalya, TÜRKİYE

Important Notes

- The Conference will be held as a hybrid event, including both physical and online presentations.
 - Time zone for the conference is GTM +3 (Istanbul time).
 - The Hall 1-2-3 represents the physical rooms in the conference venue.
- The Virtual Hall represents the class opened in the platform used for online presentations.
- The talks of the invited speakers will also be available in the Virtual Hall for online participants to follow them.

November 05, 2026 (Thursday)

10:00 – 12:30	Registration		
	Parallel Sessions		
	Hall 1 Chairman: Mateja Đumić	Hall 2 Chairman: N. Ugur Kockal	Virtual Hall (Online) Chairman: Elif Sukruoglu
10:20 – 10:40	Speaker: Ryotaro Okazaki Title of Talk: On the Height of Certain Cyclotomic Units	Speaker: Youssef El Khatib Title of Talk: The Regularization Path of a Two-Asset Minimum-Variance Portfolio with Entropy-Based Diversification Control	Speaker: Abdelmadjid Bennouar Title of Talk: On the triharmonicity of canonical maps between warped product manifolds
10:40 – 11:00	Speaker: Taiga Kadowaki Title of Talk: Stochastic Modeling of Vascular Plaque Dynamics and Optimization of Targeted Drug Delivery	Speaker: Ahmed Al-Rawashdeh Title of Talk: Invariant General Linear Group Properties for Unital C^* -Algebras	Speaker: Ivana Vojnović Title of Talk: Microlocal defect functionals and wave-front sets
11:00 – 11:20	Speaker: Haruka Suga Title of Talk: Mathematical Modeling of Retrograde Flow in Y-Shaped Arterial Stenoses: Implications for Catheter-Based Drug Delivery	Speaker: Mohamed Ali Hajji Title of Talk: A New Explicit Wavelet-Based Multistep Method for Ordinary Differential Equations	Speaker: Sanja Kovač Title of Talk: A unified approach to Hermite-Hadamard, Fejér and Ostrowski type inequalities for generalized convex functions
11:20-11:30	Coffee Break		
	Invited Talks		
	Hall 1 Chairman: Aleksandar Pejčev		
11:30 – 12:00	Invited Speaker: Mihaela Ribičić Penava Title of Talk: Weighted Montgomery identity with applications		

	Hall 1 Chairman: Łukasz Kiszkowiak		
12:00 – 12:30	Invited Speaker: Niyazi Ugur Kockal Title of Talk: Mathematical Modeling of Implant–Bone Interaction: A Simplified Approach for Damage and Remodeling Analysis		
12:30 – 14:00	Lunch Break		
14:00 – 14:30	Opening Ceremony Hall 1 Yilmaz Simsek Talk: Recent advanced on Dedekind sums and their applications		
14:30-14:40	Coffee Break		
	Invited Talks		
	Hall 1 Chairman: Miodrag M. Spalević		
14:40 – 15:10	Invited Speaker: Dora Pokaz Title of Talk: Hardy-type inequalities via Lidstone interpolation: convexity, mean value theorems and Stolarsky means		
15:10-15:20	Coffee Break		
	Invited Talks		
	Hall 1 Chairman: İsmail Naci Cangül		
15:20 – 15:50	Invited Speaker: Ahmet Sinan Cevik Title of Talk: Some families of graphs with equal metric-based dimensions		
	Parallel Sessions		
	Hall 1 Chairman: Ryotaro Okazaki	Hall 2 Chairman: Neslihan Kilar	Virtual Hall (Online) Chairman: Elif Sukruoglu
15:50 – 16:10	Speaker: Olalekan Taofeek Wahab Title of Talk: Fixed Point Theorems of Condensed Kannan-type Contraction Map in Gb-Metric Spaces	Speaker: Musawa Yahya Almusawa Title of Talk: Different kinds of soliton solutions to the special Korteweg–De Vries equation with a stability analysis, and modulation instability	Speaker: Ahmed Ibrahim Hayder Title of Talk: A practical efficacy study of optimal feedback-adaptive temporal membership function design and implementation
16:10 – 16:30	Speaker: İsmail Alperen Ögüt Title of Talk: Skew cohomology of singly connected posets	Speaker: Mateja Đumić Title of Talk: Evolving dispatching rules for unrelated parallel machine scheduling problems with resources	Speaker: William Craig Title of Talk: Recent developments on quasimodular forms and q-multiple zeta values
16:30 – 16:50	Speaker: TBA Title of Talk: TBA	Speaker: Vicente Casares-Giner Title of Talk: On the Permission Probability in Multi Packet Reception with Imperfect Channels	Speaker: Elif Beril Seyitoglu Title of Talk: A note on the sums of the triangular numbers

16:50-17:10	Coffee Break	
	Parallel Sessions	
	Hall 1 Chairman: Alina-Daniela Vilcu	Virtual Hall (Online) Chairman: Elif Sukruoglu
17:10 – 17:30	Speaker: A. Cigdem Ozcan Cevik Title of Talk: Idealization of a Truss by a Module	Speaker: Jiehua Zhu Title of Talk: l_1 - l_0 Regularization and NADA Hard-Thresholding for CT Image Reconstruction
17:30 – 17:50	Speaker: Łukasz Kiskowiak Title of Talk: Time-decay estimate of the initial value probelm in hyperbolic thermoelasticity theory	Speaker: Melis Oyku Hazar Title of Talk: Mathematical Observations on conversion of sentences from active voice to passive voice
17:50 – 18:10	Speaker: Damla Gun Title of Talk: A note on Fourier series of fractional exponential spline with their applications	Speaker: Harbi Abida- Title of Talk: The maximum norm analysis of a nonmatching grid method for a class of nonlinear parabolic problems
18:10 – 18:30	Speaker: TBA Title of Talk: TBA	Speaker: Brahim Benaissi – Title of Talk: Existence versus blow-up in a Caputo–Hadamard fractional diffusion equation with a generalized fractional Laplacian: A comparative perspective
18:30	Dinner	
November 06, 2026 (Friday)		
10:00 – 12:30	Registration	
	Parallel Sessions	
	Hall 1 Chairman: Yilmaz Simsek	Hall 2 (Poster) Chairman: Stefan M. Spalević
10:00 – 10:20	Speaker: Miodrag M. Spalević Title of Talk: Asymptotic estimates of the remainder term of averaged Gaussian quadrature rules with Bernstein-Szegő weights	Speaker: Alina-Emilia Iosif Title of Talk: Generalizations of classic inequalities for Birkhoff weak integrable multifunctions
10:20 – 10:40	Speaker: Stefan M. Spalević Title of Talk: Numerical construction and internality of certain NAG quadratures	Speaker: Alina-Daniela Vilcu Title of Talk: A geometric rigidity result for Cobb-Douglas production models with variable exponents
10:40 – 11:00	Speaker: Aleksandar Pejčev Title of Talk: Error bounds of Clenshaw-Curtis and related quadratures for functions analytic on ellipses	Speaker: Ariana Pitea Title of Talk: A study on some quasimetric families
11:00-11:20	Coffee Break	
	Parallel Sessions	
	Hall 1 Chairman: Ahmet Sinan Cevik	Hall 2 Chairman: Elvan Akın
11:20 – 11:40	Speaker: İsmail Naci Cangül Title of Talk: The Number of Realizations of Degree Sequences	Speaker: Havva Nur Deveci Title of Talk: Adjacency Dimension on Annihilator Graphs

11:40 – 12:00	Speaker: Irem Kucukoglu Title of Talk: Re-expressing some special behaviors of structural members with the aid of Rodrigues’ formula for orthogonal polynomials	Speaker: Emircan Gezer Title of Talk: The Effect of Centering About Persons on Spectral Clustering : An Application To Multidimensional Profile Data
12:00 – 12:20	Speaker: Elif Sukruoglu Title of Talk: Relations between Apostol–Euler and Apostol–Genocchi polynomials via Nörlund sum	Speaker: Serpil Cıkıt Title of Talk: A High Order Finite Difference Method for Solving Fractional Diffusion Equation
12:20 –13:50	Lunch Break	
13:50-18:30	An excursion to one of Antalya's historical sites or to the city.	
18:30	Dinner	
November 07, 2026 (Saturday)		
10:00 – 12:30	Registration	
	Invited Talk	
	Hall 1 Chairman: Irem Kucukoglu	
10:00 – 10:30	Invited Speaker: Abdelmejid Bayad Title of Talk: Remarks on Inversion Formulas for Higher-Order Lerch Zeta Functions	
	Hall 1 Chairman: Fusun Yalcin	
10:30 – 11:00	Invited Speaker: Elvan Akın Title of Talk: Mathematical and Statistical Analysis of HIV Infection Dynamics	
11:00 – 11:20	Coffee Break	
	Parallel Sessions	
	Hall 1 Chairman: Mihaela Ribičić Penava	Hall 2 Chairman: Dora Pokaz
11:20 – 11:40	Speaker: Mustafa Alkan Title of Talk: A generalization of prime ideal	Speaker: Fusun Yalcin Title of Talk: Evaluating Parameter Sensitivity to Spatial Weight Matrix Specifications in SAR Models: An Operational Application
11:40 – 12:00	Speaker: Neslihan Kilar Title of Talk: Some observations on r-parametric Hermite-based Milne-Thomson type Fubini polynomials	Speaker: Buket Simsek Title of Talk: Statistical Approaches in Advancing Health Research and Clinical Applications
12:00 – 12:20	Speaker: Elif Bozo Title of Talk: A Certain Family of Polynomials with Coefficients Involving Stirling and Derangement Numbers	Speaker: Asude Öztürk Title of Talk: A Literature Review on the Effects of Climate Change on Agricultural Production and Stochastic Modeling Approaches
12:20 –14:00	Lunch Break	

	Invited Talk	
	Hall 1 Chairman: Yilmaz Simsek	
14:00 – 14:30	Invited Speaker: Manuel López-Pellicer Title of Talk: The story of determining the shape of the Earth, based on Newton’s discoveries	
14:30 – 14:40	Coffee Break	
	Parallel Sessions	
	Hall 1 Chairman: A. Cigdem Ozcan Cevik	Hall 2 Chairman: İsmail Naci Cangül
14:40 – 15:00	Speaker: Irem Kucukoglu Title of Talk: Formulae for the integrals of a certain class of divisor and totative sums	Speaker: Sabina Hrustić Title of Talk: Dynamics and Bifurcations in Discrete Proliferating–Quiescent Tumor Growth Model
15:00 – 15:20	Speaker: Ezgi Polat Title of Talk: Certain finite sum formulas via combining of Bernstein basis functions, Legendre basis functions, Catalan numbers, and Leibniz numbers	Speaker: Pembe Sabancıgil Title of Talk: α -Bleimann, Butzer, and Hahn Operators
15:20 – 15:40	Speaker: Ecem Ateş Title of Talk: Heat Equation approach to one of family of theta function	Speaker: Seda Öztürk Title of Talk: Some Algebraic Properties of a Certain Subgroup of the Modular Group Γ
15:40 – 15:50	Coffee Break	
	Invited Talk	
	Hall 1 Chairman: Yilmaz Simsek	
15:50 – 16:20	Invited Speaker: Gradimir V. Milovanović Title of Talk: Construction of Orthogonal Polynomials and Quadrature Formulas Associated with a Complex Moment Functional	
16:20 – 16:50	Invited Speaker: Clemente Cesarano Title of Talk: A survey on bi-orthogonal polynomials and functions	
18:50 –19:00	Conference Group Photo Shoot	
19:00	Gala Dinner	
November 08, 2026 (Sunday)		
	Free Discussion and Individual Activities	