

International Conference on Mathematics in (bio/food)Chemical Kinetics and Engineering (MaCKiE) 2025

September 3-5, 2025 // Altın Yunus Hotel & Spa // Çeşme (Izmir), Türkiye



SUBMIT YOUR ABSTRACT

ABSTRACT DEADLINE: Friday 6th June, 2025 11:59 (UTC+03.00)

MaCKiE 2025 is the eleventh event of the series, with previous meetings in Ghent, Houston, Heidelberg, Chennai, Budapest, Shanghai, and Berlin. Since its first event in 2002, the MaCKiE conference has been organized once every two years. The meeting aims to bring together scientists and engineers interested in the application of mathematical modeling to describe physicochemical phenomena in chemical and biological processes.

MaCKiE 2025 offers an unforgettable adventure to ancient city of Troy on September 6, 2025.

MEET KEYNOTE & PLENARY SPEAKERS



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Learn More

www.mackieturkey.com

Please see the website for up-to-date information for MaCKiE 2025.

General Chair

Guy B. MARIN
Grigoriy S. YABLONKSY

Organizers

Abhishek DUTTA

Co-organizers

Kevin Van GEEM
Necip Berker ÜNER

Scientific Committee

Aniruddha Majumder
Yi Ouyang
Dmitry Murzin
Kai Sundmacher
Nuno Reis
Rodney Fox
Vivek Ranade
Wenli Du
Vahide Nuran Mutlu

Themes of MaCKiE 2025

- Applied Kinetic Modeling and Microkinetic Models
- Ab initio-based Kinetics or Stochastic Processes
- Multi-scale Modeling in Kinetics and Transport
- AI based (bio/food)Chemical Engineering Models and Applications
- (Bio/Food)Chemical Reaction Mechanisms and Process Design
- Modeling Sustainable Processes: Electrification and Decarbonization



We look forward to seeing you next September!
Get excited for:

- A one-day hands-on tutorial in reactor modeling using OpenFOAM
- Oral and Poster presentations
- Plenary and Keynote presentations given by worldwide leaders
- Evening "Quiz" sessions
- Strong student participation with Student Paper and Poster Awards

