

Contents lists available at [ScienceDirect](http://www.sciencedirect.com)

International Journal of Heat and Mass Transfer

journal homepage: www.elsevier.com/locate/ijhmt

In Celebration

80th birthday of Professor Mikhail Dimitrov Mikhailov



Prof. Mikhail D. Mikhailov was born in Pavel, Bulgaria, on January 27th, 1934. He received his engineering education at the Technical University Sofia, obtaining the M.Sc. degree in 1958, the Ph.D. degree in 1969, and achieving the Doctor of Sciences degree in 1976, a more advanced degree delivered in the Soviet Union. He worked at the Technical University Sofia since 1958, becoming an Associate Professor in Thermodynamics and Heat Transfer in 1968, and Full Professor in 1978. From 1978 to 1995 he was the Head of the Computer Science Department at the Institute of Applied Mathematics, also at the Technical University Sofia. He was Chairman of the Bulgarian Scientific Council from 1992 to 1995, Chairman of the Technical Science Committee of the Bulgarian National Science Foundation from 1993 to 1995, and since 1966 he is a Member of the Scientific Council of the International Center for Heat and Mass Transfer.

He has been a Visiting Scholar at North Carolina State University, Raleigh, USA (1984, 1986, 1987, and 1989), at University of Pisa, Italy (1988), at Universidade Federal do Rio de Janeiro, Brazil (1990–1991, 1995–2009), National Commission of Nuclear Energy, Brazil (2009–2010), National Institute of Metrology, INMETRO, Brazil (2011–2014), University of Sunderland, UK (1992, 1994), University of Limerick, Ireland (1993). He has enjoyed membership in editorial advisory boards of prestigious international journals such as International Journal of Heat and Mass Transfer, International Communications of Heat and Mass Transfer, Journal of Engineering Physics (1966–present), Drying Technology

(1985–1990), Communications in Applied Numerical Methods (1985–present), Applied Mathematical Modeling (1985–present), and co-editor of Hybrid Methods in Engineering (1999–2004). Prof. Mikhailov has a very notable international reputation and recognition, collaborating with various researchers around the world, with numerous participations as invited lecturer in various international meetings. He has been one of the distinguished lecturers on NATO Advanced Studies Institutes held in Turkey, at different events on various important topics of heat and mass transfer.

Throughout his career Prof. Mikhailov was very active in the dissemination of analytical and numerical methods, such as integral transforms, finite differences and finite elements, for solving heat and mass transfer problems. He has published more than 250 papers in the area of heat transfer, mass diffusion, numerical methods, mathematical modeling and computer science, and has supervised over 20 Ph.D. students and directed more than 10 R&D projects, including joint projects with the Luikov Institute for Heat Mass Transfer and Institute for Nuclear Engineering, Minsk, Byelorussia and a Tempus educational project with University of Sunderland, University of Limerick, and University of Berlin. He is author or co-author of nine books, including the treatise “Unified Analysis and Solutions of Heat and Mass Diffusion”, John Wiley & Sons, 1984, also Dover Publications, 1994, jointly with M. Necati Ozisik, and “Heat Conduction: Lumped Analysis, Symbolic Computation, Integral Transforms”, jointly with Renato M. Cotta. For the last nineteen years, while living in Brazil and working in the Federal University of Rio de Janeiro and, more recently, in the National Institute of Metrology, INMETRO, he has concentrated on the development of symbolic computation and hybrid methods, based on the *Mathematica* platform.

His dear wife Zeza, that followed and supported him throughout his life, unfortunately left us in 2012, and Prof. Mikhailov had to finally return to Sofia, Bulgaria, by January 2014, after 19 years dedicated to fostering engineering sciences advancement in Brazil. On the occasion of his birthday, on behalf of his students, colleagues and friends all over the world, we wish him a very happy birthday and many more active years in good health and happiness with his children and grandchildren.

W.J. Minkowycz
Renato M. Cotta
Sadik Kakac
Leonard Vasiliev
Franz Mayinger
Átila P. Silva Freire
Fabio Gori