

ISSN 1592-7415

eISSN 2282-8214

Volume 32 – 2017

# RATIO MATHEMATICA

Journal of Mathematics, Statistics, and Applications

**Editor in Chief**

Antonio Maturo

**Honorary Editor**

Franco Eugeni

**Managing Editors**

Šarká Hošková-Mayerová

Fabrizio Maturo

**Editorial Board**

Albrecht Beutelspacher, Giessen, Germany  
Aldo Giuseppe Saverio Ventre, Naples, Italy  
Alec Ciprian, Iasi, Romania  
Bal Khishan Dass, Delhi, India  
Carlo Mari, Chieti, Italy  
Ferdinando Casolaro, Naples, Italy  
Francesco De Luca, Pescara, Italy  
Francesco Paolone, Naples, Italy  
Franco Eugeni, Teramo, Italy  
Giovanni Vincenzi, Salerno, Italy  
Giuseppina Anatriello, Naples, Italy  
Ioan Tofan, Iasi, Romania  
Irina Cristea, Nova Gorica, Slovenia  
Ivo Rosenberg, Montreal, Canada

Janusz Kacprzyk, Warsaw, Poland  
Luca Tallini, Teramo, Italy  
Maria Scafati, Rome, Italy  
Massimo Squillante, Benevento, Italy  
Maurizio Vichi, Rome, Italy  
Piergiulio Corsini, Udine, Italy  
Reza Ameri, Teheran, Iran  
Ronald R. Yager, New York, U. S. A.  
Salvador Cruz Rambaud, Almeria, Spain  
Salvatore Sessa, Naples, Italy  
Stefania Migliori, Chieti, Italy  
Stefano Antonio Gattone, Chieti, Italy  
Thomas Vougiuklis, Alexandroupolis, Greece  
Tonio Di Battista, Chieti, Italy

**Webmaster:** Giuseppe Manuppella

**Graphics:** Fabio Manuppella

**Legal Manager:** Bruna Di Domenico

**Publisher**

A.P.A.V.

Accademia Piceno – Aprutina dei Velati in Teramo

[www.eiris.it](http://www.eiris.it) – [www.apav.it](http://www.apav.it)

[apavsegreteria@gmail.com](mailto:apavsegreteria@gmail.com)