Mathematics

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Editorial

Annual Report 2019

Alain Miranville*

Université de Poitiers, Laboratoire de Mathématiques et Applications, UMR CNRS 7348, SP2MI, 86962 Chasseneuil Futuroscope Cedex, France

* Correspondence: Email: Alain.Miranville@math.univ-poitiers.fr.

1. Journal summary from Editor in Chief

This year saw a significant increase of the number of submitted and accepted papers.

The journal was accepted for coverage in SCIE in September, 2019. This is an important achievement and is a recognition of the quality of the papers submitted and accepted for publication and of the work done by the editors, the referees and the AIMS staff.

Starting from January, 2020, the journal will apply Article Processing Charges.
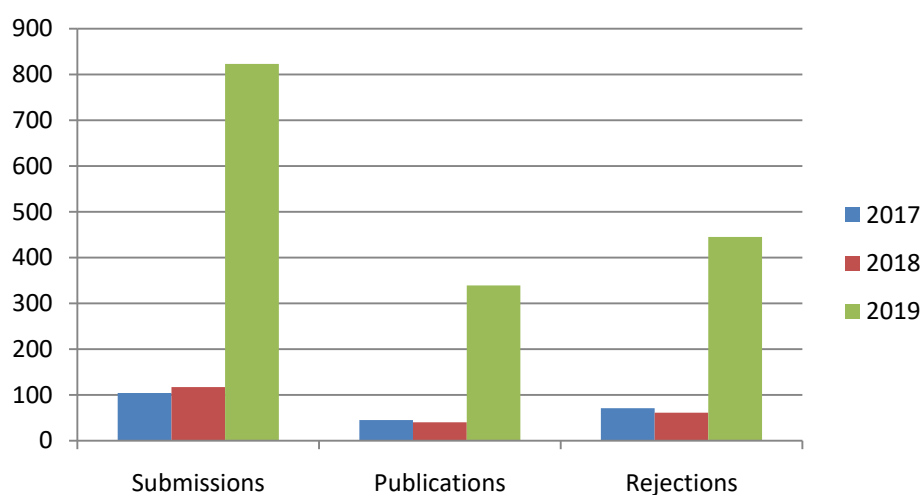
Professor Alain Miranville
Editor in Chief of AIMS Mathematics
Universite de Poitiers, Laboratoire de Mathematiques et Applications, UMR CNRS 7348, SP2MI, 86962 Chasseneuil Futuroscope Cedex, France
Email: Alain.Miranville@math.univ-poitiers.fr

2. Editorial development
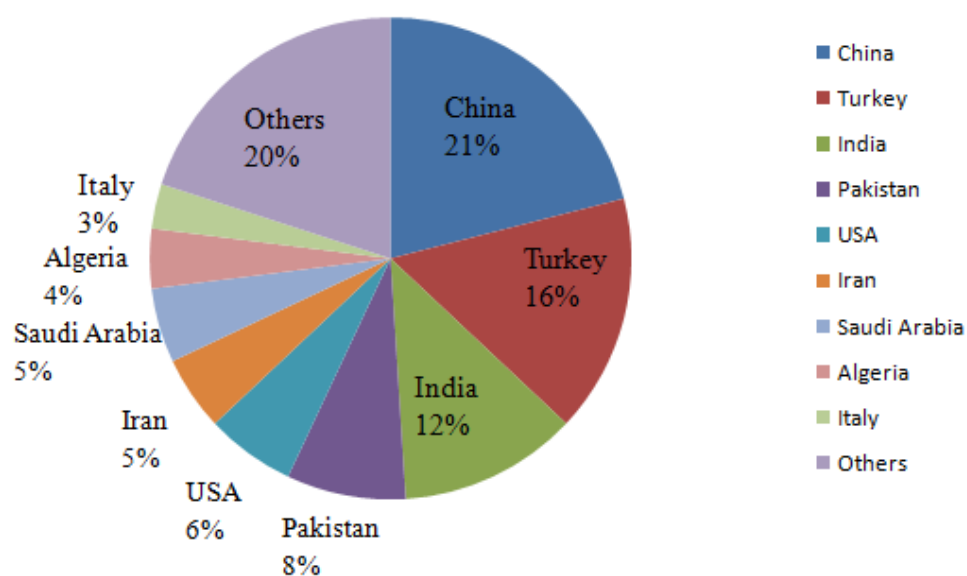
2.1. Manuscript statistics

Total Submissions in 2019: 829

The articles submitted in 2019 that have been published 339, rejected 471.

Publication time (from submission to online): 108 days

2.2. Author distribution

2.3. Article type

Type	Number
Research article	337
Review	1
Editorial	1

2.4. Article metrics

The top 10 articles with highest downloads:

Title	Downloads
The Cahn–Hilliard equation and some of its variants	3019
Remarks on smallness of chemotactic effect for asymptotic stability in a two-species chemotaxis system	1420
Lie symmetry analysis of conformable differential equations	1407
A High-Order Symmetric Interior Penalty Discontinuous Galerkin Scheme to Simulate Vortex Dominated Incompressible Fluid Flow	1401
A new approach to generate all Pythagorean triples	1365
Localized Orthogonal Decomposition for two-scale Helmholtz-type problems	1350
On the viscous Cahn-Hilliard equation with singular potential and inertial term	1296
On the Caginalp phase-field system based on the Cattaneo law with nonlinear coupling	1288
On deep holes of generalized Reed-Solomon codes	1279
On a fractional alternating Poisson process	1241

The top 10 articles with highest citations:

Title	Citations
Global weak solutions and asymptotic limits of a Cahn–Hilliard–Darcy system modelling tumour growth	24
Some new inequalities of the Grüss type for conformable fractional integrals	16
The Cahn–Hilliard equation and some of its variants	15
Complex solitons in the conformable (2+1)-dimensional Ablowitz-Kaup-Newell-Segur equation	15
An effective homotopy analysis method to solve the cubic isothermal auto-catalytic chemical system	12
Fractional calculus and the ESR test	9
Best practices for replicability, reproducibility and reusability of computer-based experiments exemplified by model reduction software	9
Distributed optimal control of a nonstandard nonlocal phase field system	8
A regularity criterion of weak solutions to the 3D Boussinesq equations	7
Generalized k-fractional conformable integrals and related inequalities	6

2.5. Special issues with more than 5 papers

Applied and Industrial Mathematics in Canada and Worldwide
https://www.aimspress.com/newsinfo/1380.html

Initial and Boundary Value Problems for Differential Equations
https://www.aimspress.com/newsinfo/1166.html

New trends of numerical and analytical methods with application to real world models for instance RLC with new nonlocal operators
https://www.aimspress.com/newsinfo/1035.html

Recent Advances in Fractional Calculus with Real World Applications
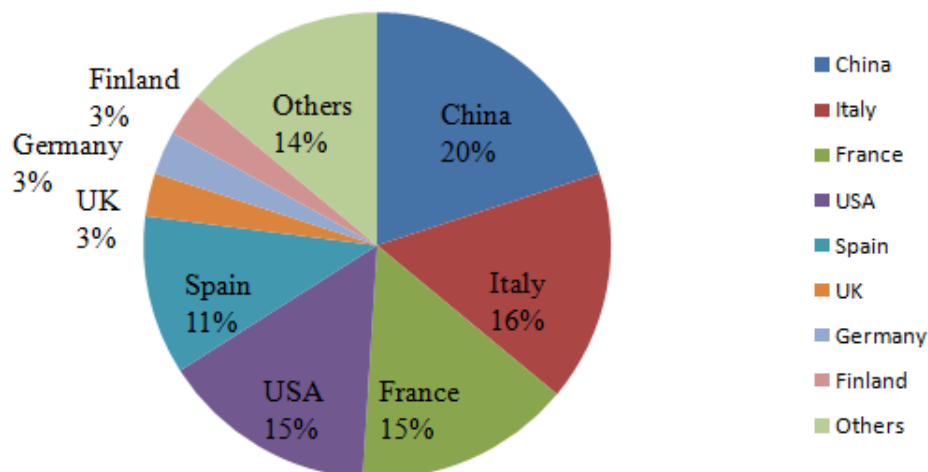https://www.aimspress.com/newsinfo/1171.html

2nd International Conference on Mathematical Modeling, Applied Analysis and Computation (ICMMAAC-19), August 8–10, 2019, JECRC University, Jaipur, India
https://www.aimspress.com/newsinfo/1167.html

2.6. Editorial board members

AIMS Mathematics Editorial Board has 74 members, and 9 of which joined in 2019.

2.7. Summary & Plan

2.7.1. Summary

In the fourth year, AIMS Mathematics has been accepted by Scopus and SCIE, which is the wonderful achievement for our journal.

In 2019, the number of submissions has dramatically increased (from 117 to 829), largely because of the acceptance by SCIE. Numerous articles make the processing period (from receipt to publication) longer than last year's, but the acceptance rate remains stable.

2.7.2. Plan in 2020

Further increase influence of AIMS Mathematics by soliciting and advertising high quality articles and special issues.

We seek to reduce the processing period in 90 days.