



Editorial

Annual Report 2024

AIMS Materials Science Editorial Office*

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Abstract: This editorial note is dedicated to the 2024 Journal report of AIMS Materials Science, which was run by AIMS Press. After a brief summary about the annual development in 2024, future developments of the journal in 2025 are proposed.

1. Journal summary

The Editorial Office of AIMS Materials Science would like to extend our most sincere gratitude to all the authors, reviewers, and advisory board and editorial board members for their contributions to the journal of AIMS Materials Science in 2024. We have made a meaningful progress in 2024, and we look forward to a more productive year in 2025.

AIMS Materials Science is an international Open Access journal devoted to rapidly publishing peer-reviewed, high-quality, original papers in the field of materials technology and science. In 2024, we had received 206 manuscripts, after carefully and professionally reviewing, 60 of them have been accepted and published. These published papers include 48 research papers, 9 review papers and 3 editorials. In 2024, the acceptance rate of our journal was 29.1%, reflecting our commitment to accepting and publishing high-quality manuscripts that meet the scientific and technological standards of the journal. The authors of the published manuscripts are from 25 countries worldwide. The sources of the submissions showed a significant increase in international collaborations on the research of materials science. It now is a significant presence in the academic publishing market.

One of the important strategies of attracting high quality and high impact papers to our journal has been the calls for special issues. In 2024, 2 special issues were established, we hope that these interesting special issues will attract more high-quality manuscripts. AIMS Materials Science has 70

enthusiastic members on the editorial board, including 7 new members who joined in 2024. We will continue to renew and accept dedicated researchers to join the Editorial Board in 2025.

2. Manuscript processing

2.1. Manuscript statistics

In 2024, AIMS Materials Science published 6 issues, a total of 60 articles were published online, and the category of published articles is shown in Table 1. As shown in Figure 1, compared to 2023, the number of submissions in 2024 has slightly decreased. In 2025, we will strive to invite more researchers in the field of materials to submit high-quality manuscripts to our journal.

Table 1. Category of published articles.

Type	Number
Research article	48
Review	9
Editorial	3

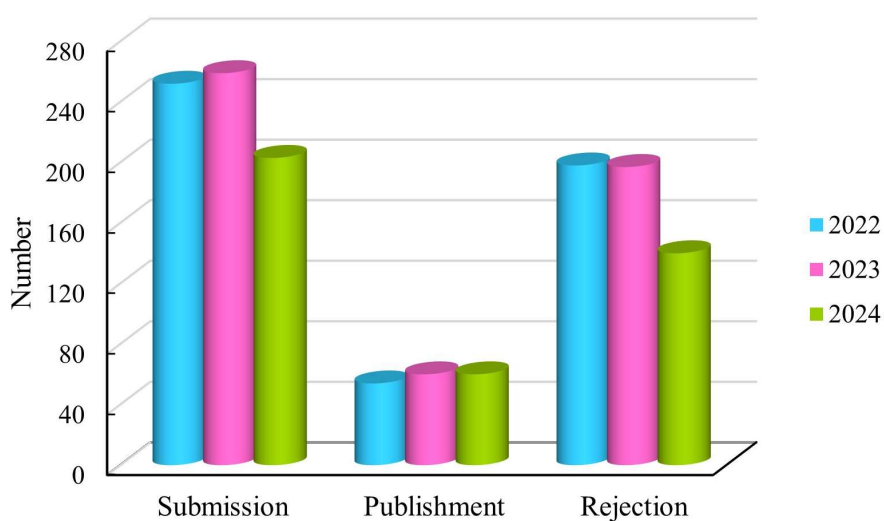


Figure 1. Number of submissions and publications in the past 3 years.

Submission: 206

Online: 60

Rejection: 131

In process: 15

Online rate: 29.1%

Median publication time (from submission to online): 81.8 days

2.2. Manuscript processing time

The processing time of the manuscript comprises four measurement indicators: submission to first decision time, submission to final decision time, acceptance to publication time and average publication time. Figure 2 shows the changes in different indicators over four quarters in 2024. As shown in Figure 2a, the average submission to first decision time in 2024 is 36.63 days, which includes time for editorial board members to do brief check and for reviewers to complete the review report. The time between the first decision and the final decision largely depends on the time required for the authors to complete the revisions and for the reviewers to review it. Figure 2b displays the submission to final decision time in 2024 is 67.62 days. The average time from manuscript acceptance to publication is influenced by typesetting, English checking, and author proofreading. Compared to 2023, this time has been shortened to 14.20 days. In summary, the average time from submission to publication in 2024 is 81.82 days, which is also an improvement compared to last year.

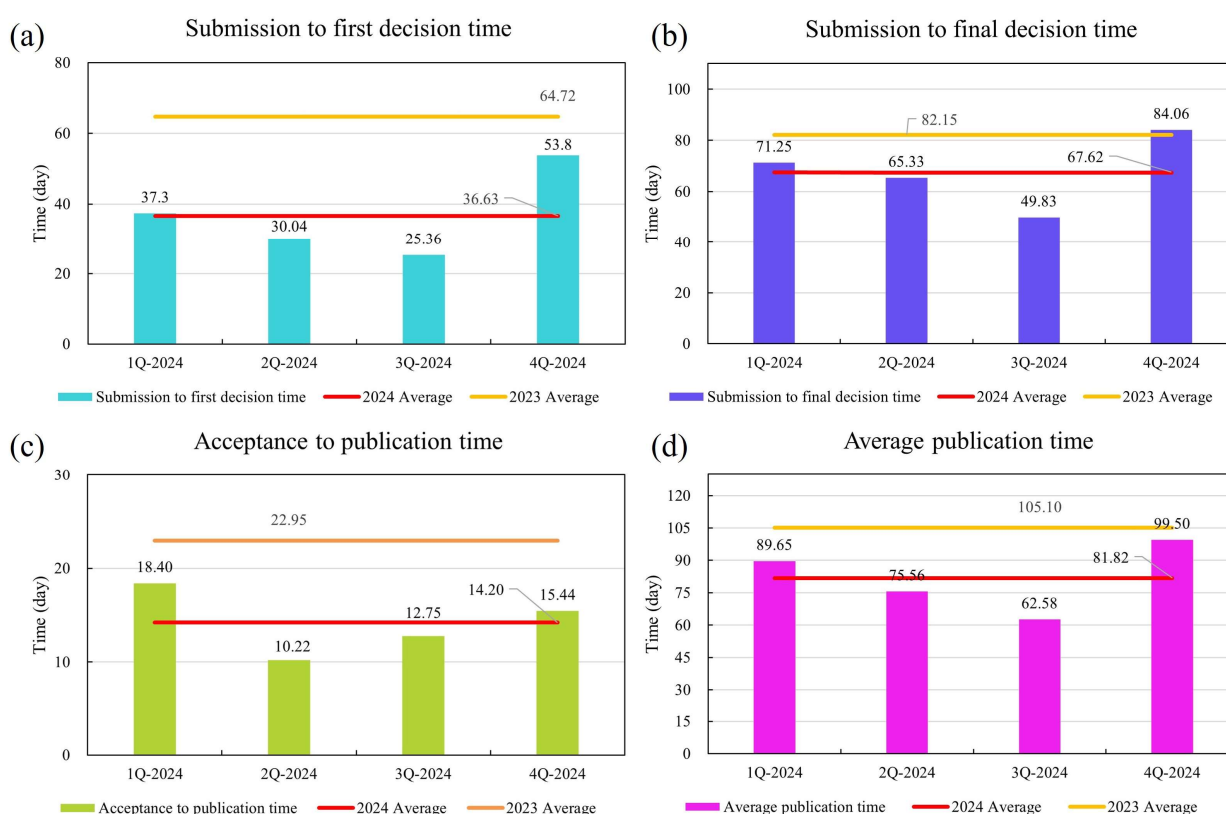


Figure 2. The processing time of the manuscript.

2.3. Special issues

Organizing high-quality special issue is a very important work in 2024. The journal is committed to collecting and summarizing frontier and hot topics, establishing corresponding special issues, and attracting high-quality articles. In 2024, 2 special issues were called. So far, as shown in Table 2, we have 4 open special issues and welcome scholars from all over the world to choose suitable special issues for their research interests to submit. We hope the Editorial Board members to propose more

potential topics, and to act as editors of special issues. In addition, we also encourage authors to propose interesting topic. Table 3 shows some examples of special issues with 4 papers.

Table 2. Currently available open special issues.

Special issues	Link
Smart Materials in Civil Structures	https://www.aimspress.com/aimsmates/article/6725/special-articles
Advances in Glass and Glass Crystalline Materials	https://www.aimspress.com/aimsmates/article/6585/special-articles
Advances in Laser Materials and Processing Technologies	https://www.aimspress.com/aimsmates/article/6635/special-articles
Properties and Modelling of Concretes Modified by Additions and Nanomaterials	https://www.aimspress.com/aimsmates/article/6102/special-articles

Table 3. Special issues with 4 papers.

Special issues	Link	Papers
Advances in Glass and Glass Crystalline Materials	https://www.aimspress.com/aimsmates/article/6585/special-articles	4
Advances in Laser Materials and Processing Technologies	https://www.aimspress.com/aimsmates/article/6635/special-articles	4

2.4. Articles metrics

Tables 4 and 5 are top 10 articles with highest HTML views (published in 2024) and citations (last two years).

Table 4. The top 10 articles with highest HTML views published in 2024.

No.	Title	Views
1	Magnetic characteristics of sengon wood-impregnated magnetite nanoparticles synthesized by the co-precipitation method	1551
2	Surface modification of carbon nanotubes and their nanocomposites for fuel cell applications: A review	1404
3	A review of carbon fiber-reinforced polymer composite used to solve stress shielding in total hip replacement	1291
4	Results of experimental simulation of interaction between corium of a nuclear reactor and sacrificial material (Al_2O_3) with a lead layer	1258
5	The effect of polyaniline composition on the polyurethane/polyaniline composite properties: The enhancement of electrical and mechanical properties for medical tissue engineering	1177
6	A review of pore-forming agents on the structures, porosities, and mechanical properties of porous ceramics	1168
7	Employing Na_2CO_3 and $NaCl$ as sources of sodium in $NaFePO_4$ cathode: A comparative study on structure and electrochemical properties	1145
8	Recycling glass fiber-reinforced plastic in asphalt concrete production	1143

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No.	Title	Views
9	The strength of uncoated and coated ultra-thin flexible glass under cyclic load	1103
10	Improved photovoltaic properties of $((\text{CH}_3\text{NH}_3)_{1-x}\text{Cs}_x)_3\text{Bi}_2\text{I}_9$: ($x = 0-1.0$) hybrid perovskite solar cells via a hot immersion method	1045

Table 5. The top 10 articles with highest citations (last two years).

No.	Title	Publication year	Citations		
			2023	2024	Total
1	Mechanical properties and brittleness of concrete made by combined fly ash, silica fume and nanosilica with ordinary Portland cement	2023	25	45	70
2	Low-cost piezoelectric sensors and gamma ray attenuation fabricated from novel polymeric nanocomposites	2023	13	17	30
3	Increasing the charge/discharge rate for phase-change materials by forming hybrid composite paraffin/ash for an effective thermal energy storage system	2023	8	2	10
4	PLA/starch biodegradable fibers obtained by the electrospinning method for micronutrient mineral release	2023	3	7	10
5	Ductile fracture toughness of Al 5754-H111 alloy using essential work of fracture method	2023	2	4	6
6	Contribution to study the effect of (Reuss, LRVE, Tamura) models on the axial and shear stress of sandwich FGM plate (Ti-6Al-4V/ZrO ₂) subjected on linear and nonlinear thermal loads	2023	1	4	5
7	The effect of the electrolyte composition on the microstructure and properties of coatings formed on a titanium substrate by microarc oxidation	2024	0	3	3
8	Investigating parametric homogenization models for natural frequency of FGM nano beams	2023	0	3	3
9	Fe-TiO ₂ /zeolite H-A photocatalyst for degradation of waste dye (methylene blue) under UV irradiation	2023	2	1	3
10	Assessment of the effect of small additions of some rare earth elements on the structure and mechanical properties of castings from hypereutectic chromium white irons	2023	2	1	3

2.5. Author distribution

In 2024, we received 206 submissions, of which 60 have been published online and 15 are still in processing. In total, we published 60 papers which consists of 48 research papers, 9 review papers and 3 editorials in 2024. Figure 3 shows the diversity of the author distribution. We would like to express our gratitude to all authors for their trust and support in AIMS Materials Science. We firmly believe that this widely distributed and powerful group has promoted the development of materials science.

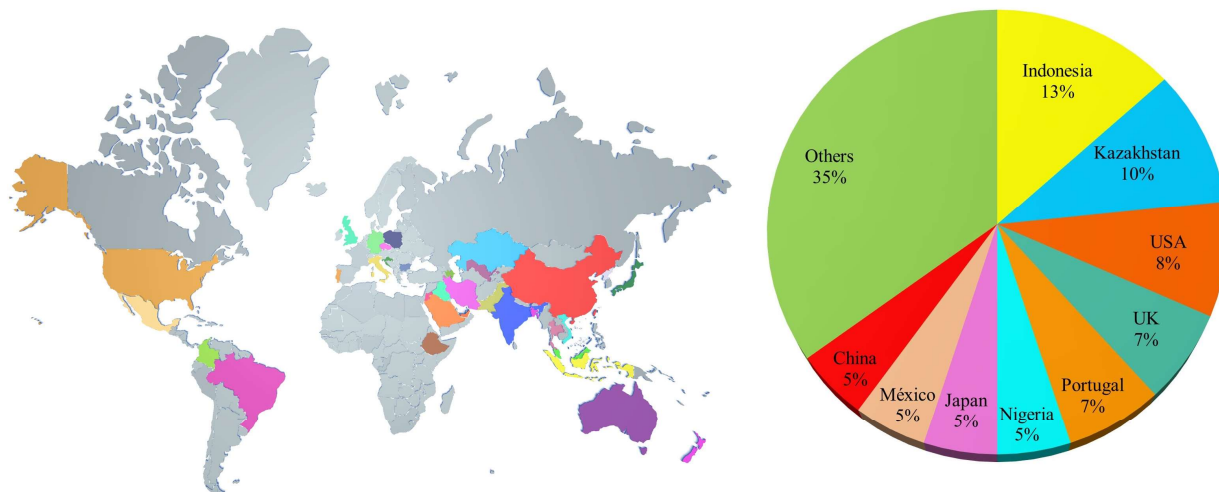


Figure 3. Author's countries of submission.

2.6. Editorial Board members

The journal's Editorial Board is now made up of 70 senior expert members from 17 countries representing a diverse range of research experience, expertise and countries. 90% of our EB members are coming from China, Italy, USA, Canada, Germany, UK, Portugal, Australia, France and Spain (Figure 4). In the term of editorial board, most members contributed a lot to our journal. We will continue to invite dedicated experts and researchers in order to renew the Editorial Board in 2025.

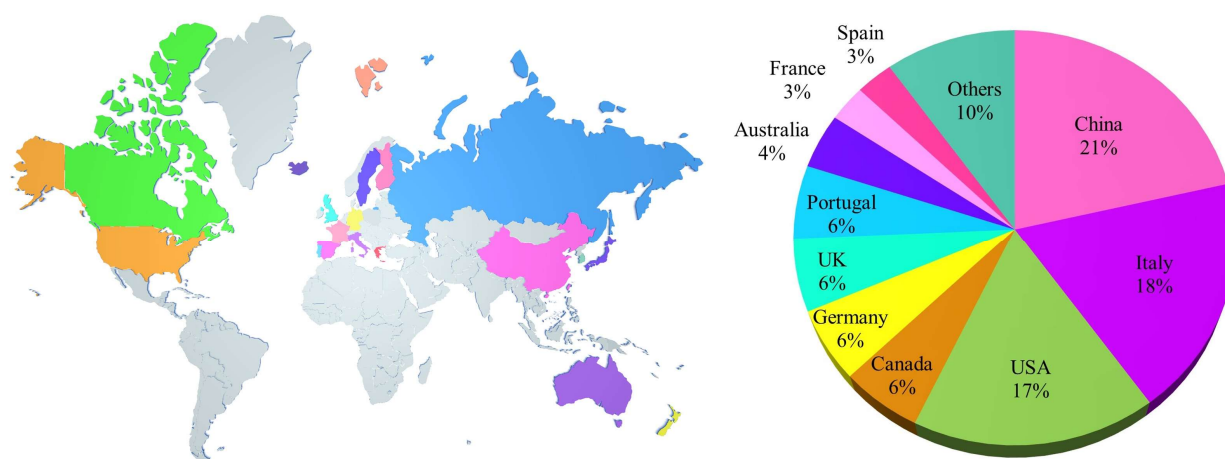


Figure 4. Country distribution of editorial board members.

3. Summary and perspective

3.1. Summary

We received more than 200 manuscript submissions and published 60 papers in 2024. In the past year, with the friendly help of the guest editors, we have successfully established 2 special issues.

In 2024, with the support of the editorial board members and the editor-in-chief, as well as the contributions of authors and reviewers, AIMS Materials Science receive more and more attention.

3.2. Plan in 2025

We will continue to elevate our journal to a higher level with the joint efforts of the editorial board, editors, and contributing authors in the 2025. The goal for us to run this journal is to secure the best scientific authors and papers that ensures AIMS Materials Science to attract more citations and to stay at the forefront of professional publications in materials, so that we provide the scientific community with a high-quality journal that will address global challenges and new frontiers in the field of materials science and engineering. To achieve this goal, following major developments are considered in 2025:

Firstly, we hope to attract high reputation and professional scholars in the materials science field to contribute more manuscripts. In addition, we will try to invite more high-quality articles, especially research and review. We would like to increase the diversity of articles from developed countries. Meanwhile, we will strive to shorten the manuscript processing cycle and accelerate the publication of every high-quality article.

Secondly, we will continue to look for more outstanding editorial board members in the field of materials science, especially in flexible materials, new energy storage materials and the application of artificial intelligence in materials preparation, etc.

Lastly, increasing the impact of journals is also an important plan for 2025. We hope to invite our board members to increase the implementation of this plan by soliciting and promoting high-quality articles and special issues. We will try to invite more manuscripts on interesting topics and special issues to improve the citations of published articles.

Acknowledgments

We really appreciate the time and effort of all our Editorial Board Members and Guest Editors, as well as our reviewers devoted to our journal. All your excellent professional effort and expertise provided us with very useful and professional suggestions in 2024. Last, but not least, thanks are given to the hard work of the in-house editorial team.



AIMS Press

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