

# **International Journal of Wavelets, Multiresolution, and Information Processing (IJWMIP)**

## **期刊信息**

国际学术期刊《国际小波，多分辨率分析及信息处理期刊》(International Journal of Wavelets, Multiresolution, and Information Processing (IJWMIP) (<https://www.worldscientific.com/worldscinet/ijwmip>) 创刊于 2003 年，并于 2005 年起为 SCIE 检索。由新加坡科学出版社(World Scientific) 出版，全英文。目前影响因子为 1 左右。

期刊目前是双月刊，每年六期（双月刊），2026 年开始增至每年八期，期刊出版的期数将根据需求和编委团队的能力增加至每年十二期或更多。

期刊 IJWMIP 刊登的文章内容目前包括信息科学和数学科学：

1. 信息科学 —— 人工智能，机器学习，大模型，深度学习，大数据，计算机视觉，模式识别，图像/信号处理，控制等；
2. 数学科学 —— 调和分析，泛函分析，小波分析，多分辨率分析及其应用等。期刊名称中的“信息处理”可以将期刊的范围覆盖到科技的所有领域。所以期刊的实际范围是动态的，可以根据时代的发展和期刊的需要，随时调整变化。

## **Aims & Scope**

International Journal of Wavelets, Multiresolution and Information Processing (hereafter referred to as IJWMIP) is a bi-monthly publication for theoretical and applied papers on the current state-of-the-art results of wavelet analysis, multiresolution and information processing.

Papers related to the IJWMIP theme are especially solicited, including theories, methodologies, algorithms and emerging applications. Topics of interest of the IJWMIP include, but are not limited to:

### **1. Wavelets:**

- Wavelets and operator theory
- Frame and applications
- Time-frequency analysis and applications
- Sparse representation and approximation
- Sampling theory and compressive sensing
- Wavelet based algorithms and applications

### **2. Multiresolution:**

- Multiresolution analysis
- Multiscale approximation

- Multiresolution image processing and signal processing
- Multiresolution representations
- Deep learning and neural networks
- Machine learning theory, algorithms and applications
- High dimensional data analysis

### **3. Information Processing:**

- Data sciences
- Big data and applications
- Information theory
- Information systems and technology
- Information security
- Information learning and processing
- Artificial intelligence and pattern recognition
- Image/signal processing

The IJWMIP publishes articles of four primary types:

- a. Original research papers
- b. Correspondences
- c. Overviews and summaries
- d. Descriptions of systems and software packages

### **Submission Guidelines**

Manuscripts are accepted for review with the understanding that the same paper has not been published and is not being considered for publication by other journals. Every submitted paper will be acknowledged and refereed. Once a paper is accepted for publication in International Journal of Wavelets, Multiresolution and Imaging Processing, the author is assumed to have transferred the copyright to World Scientific. There is no page charge. However, if the author wishes to have colored pages in the print version, there will be a charge of US\$150 per colored page. The first author of each published paper will receive the free PDF file for his/her own noncommercial use only

### **Submission Process**

- All submissions to IJWMIP are handled electronically. Manuscripts must be submitted [online](#) via **Editorial Manager** (EM), a fully web-based submission, peer-review, and tracking system. Tutorials for the author on submission via Editorial Manager is also available, please click [here](#). If there is any difficulty, please contact [IJWMIP@wspc.com](mailto:IJWMIP@wspc.com)
- **New Authors:** If you are submitting via this new system for the first time, you will be required to [register](#). From the account you have created, you will be able to monitor your submission and make subsequent submissions.

- Finalized manuscripts should be prepared in LaTeX/TeX format and are required to use the style files established by IJWMIP, available at: <http://www.worldscientific.com/page/authors/journal-stylefiles>
- Supported graphics types are EPS formats. The size of the figure/image should be less than 2MB and the resolution must be at least 600dpi (400dpi for color).

### **Preparation of Manuscript**

The manuscript must be prepared with single-spacing and ample margins all around the text. Only one side of the paper should be used. All figures, tables, etc. must be included in the postscript files of the articles.

**Abstracts** should not be more than 200 words long.

**Sections** should be numbered with arabic numerals. Each page of the manuscript should be numbered at the top.

**Footnotes** should be indicated in the text with superscript letters: <sup>a</sup>, <sup>b</sup>, <sup>c</sup>, etc.

**References** should be listed in alphabetical order of the author's name and cited in the text in Arabic numerals within square brackets. They can be referred to indirectly, e.g. "... in the statement.<sup>1</sup>" or used directly, e.g. "see<sup>1</sup> for examples." For journal references, the standard abbreviations for journal names should be used. The format for the list of references is as follows:

1. C. Chaux, L. Duval, J. C. Pesquet, Image analysis using a dual-tree M-band wavelet transform, *IEEE Trans. Image Proc.* **8**(3) (2006) 445-495.
2. F. Bouchut, On zero pressure gas dynamics, in *Advances in Kinetic Theory and Computing*, ed. B. Perthame, Ser. Adv. Math. Appl. Sci., Vol. 22 (World Scientific, 1994), pp. 171-190.
3. S. K. Godunov and E. Romenskii, *Elements of Continuum Mechanics and Conservation Laws* (Kluwer Academic/Plenum Publishers, 2003).
4. J. Li and T. Zhang, On the initial-value problem for zero-pressure gas dynamics, in *Proc. 7th Intl. Conf. on Hyperbolic Problems*, ed. R. Jeltsch (Birkhauser Verlag, 1998), pp. 629-640.

**Figures** should be numbered in arabic numerals in the order of appearance in the text. Every figure must have a caption.

**Tables** should be numbered with arabic numerals in the order of appearance. Every table must have a caption, which should be typed above the table.

Please download the detailed instructions for preparation of manuscripts ([readme/download](#))