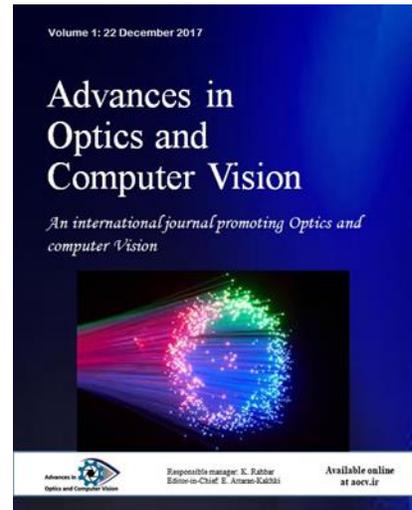


# ADVANCES IN OPTICS AND COMPUTER VISION



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### Aims and scopes

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*Advances in Optics and Computer Vision* is an open access peer reviewed journal for the development of optics and computer vision. Optical processes are the gate to enhance the quality of image processing and computer vision techniques. As computer vision processes represent specific optical requirements that can introduce new research goals in the field of optics, the technical adaptation of these two areas is of great importance. To meet these aims, *Advances in Optics and Computer Vision* encourages the submission of papers in the following areas (but not limited to):

- laser based vision system
- nonlinear optical filtering
- optical fourier
- optical image processing
- photonic
- image/video coding and compression
- image/video representation and description
- image/video enhancement and restoration
- morphological processing
- image/video wavelet processing
- watermarking
- image segmentation
- stereo vision
- image/video quality measures
- object detection and recognition
- motion analysis, video stabilization and tracking
- super-resolution
- medical image processing

## Types of manuscript

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**Original Papers:** Are full-length descriptions of extensive and significant experimental and/or theoretical studies.

**Research Papers:** Papers are published in English and should be double spaced with uniform size and a wide margin on the left. The headings order is: Title, Abstract, Key Words, Introduction, Experimental, Results and Discussion, Conclusions, Acknowledgements, and References. Tables and Figures should be inserted in the manuscript word-processor file, where first mentioned in the text.

**Short Communications:** Must be complete, self-contained papers, and not preliminary reports. The style and presentation should conform to that laid down for Manuscripts Preparation, but the length should not exceed three printed journal pages.

**Reviews:** Will usually be written at the invitation of the editors. Nevertheless, authors wishing to submit a review are requested to consult them prior to commencement.

## Manuscript Preparation

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**Title:** The Title of the Article should be Precise and Brief and Must Not Be More Than 120 Characters. Authors should avoid the Use of Non-Standard Abbreviations. Subsequently the author(s) name(s) and affiliations should be followed with an asterisk appearing on that of the corresponding author.

**Abstract:** An abstract of maximum 250 words should contain a brief and factual account of the contents and conclusions of the paper as well as a description of any new information presented.

**Keywords:** 6 to 8 keywords must be provided.

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Section headings should be numbered sequentially, left aligned and have the first letter capitalized, starting with the introduction. Sub-section headings however should be in lower-case and italicized with their initials capitalized. They should be numbered as 1.1, 1.2, etc.

**Materials and Methods (For Research Papers only):** Provide sufficient detail to allow the work to be reproduced. Methods already published should be indicated by a reference: only relevant modifications should be described.

**Theory/calculation:** A Theory section should extend, not repeat, the background to the article already dealt with in the Introduction and lay the foundation for further work. In contrast, a Calculation section represents a practical development from a theoretical basis.

**Units:** Follow internationally accepted rules and conventions: use the international system of units (SI). If other units are mentioned, please give their equivalent in SI.

**Math formulae:** Please submit math equations as editable text and not as images. Present simple formulae in line with normal text where possible and use the solidus (/) instead of a horizontal line for small fractional terms, e.g., X/Y. In principle, variables are to be presented in italics. Powers of e are often more conveniently denoted by exp. Number consecutively any equations that have to be displayed separately from the text (if referred to explicitly in the text).

**Results:** Results should be clear and concise.

**Discussion:** This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

**Conclusions:** The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

**Appendices:** If there is more than one appendix, they should be identified as A, B, etc. Formulae and equations in appendices should be given separate numbering: Eq. (A.1), Eq. (A.2), etc.; in a subsequent appendix, Eq. (B.1) and so on. Similarly, for tables and figures: Table A.1; Fig. A.1, etc.

**Acknowledgements:** All individuals listed as authors must have contributed substantially to the design, performance, analysis, or reporting of the work and are required to indicate their specific contribution. Anyone (individual/company/institution) who has substantially contributed to the study for important intellectual content, or who was involved in the article's drafting the manuscript or revising must also be acknowledged.

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Thesis:

[7] N. Attaran, *Design, synthesis and application of gold nanoparticles in photodynamic therapy*. PhD Thesis, Ferdowsi University of Mashhad: Iran, September **2013**.

E-citations:

[8] Citations for articles/material published exclusively online or in open access (free-to-view), must contain the accurate Web addresses (URLs) at the end of the reference(s), except those posted

on an author's Web site (unless editorially essential), e.g. 'Reference: Available from: URL'.

Dataset:

[9] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, Mendeley Data, v1, 2015. <https://doi.org/10.17632/xwj98nb39r.1>.

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**Figures/Illustrations:** Figures include diagrams, graphs, spectra, photographs, and all other types of illustrations presented in the Journal. All authors must strictly follow the guidelines below for preparing illustrations for publication. Illustrations should be embedded in the text file, and must be numbered consecutively in the order of their appearance. Structures and reaction Schemes should not be entitled as Figures. Each figure should include only a single illustration which should be cropped to minimize the amount of space occupied by the illustration. If a figure is in separate parts, all parts of the figure must be provided in a single composite illustration file. Different parts of the Figure should be identified in the caption using *a, b, etc.* Each Figure must be referred to by its number at least once in the manuscript text. Color figures should be supplied in CMYK not RGB colors.

**List of Abbreviations:** If abbreviations are used in the text either they should be defined in the text where first used, or a list of abbreviations can be provided.

**Text Preparation:** The final text should be submitted *via* our online submission system ([www.aocv.ir](http://www.aocv.ir)) as a Microsoft Office Word document.

## Inquiries for submission

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