<table>
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<tr>
<th>Journal</th>
<th>Impact Factor</th>
<th>Issues per year</th>
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<tbody>
<tr>
<td><strong>International Journal of Radiation Oncology Biology Physics (IJROBP)</strong></td>
<td>Known in the field as the Red Journal, offers authoritative articles linking new research and technologies to clinical applications. Original contributions by leading scientists and researchers include but are not limited to experimental studies of combined modality treatment, tumor sensitization and normal tissue protection, molecular radiation biology, particle irradiation, brachytherapy, treatment planning, tumor biology, and clinical investigations of cancer treatment that include radiation therapy. Technical advances related to dosimetry and conformal radiation treatment planning are also included.</td>
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<td><strong>Radiotherapy and Oncology</strong></td>
<td>Publishes papers describing original research as well as review articles. It covers areas of interest relating to radiation oncology. This includes: clinical radiotherapy, combined modality treatment, experimental work in radiobiology, chemobiology, hyperthermia and tumour biology, as well as physical aspects relevant to oncology, particularly in the field of imaging, dosimetry and radiation therapy planning. Papers on more general aspects of interest to the radiation oncologist including chemotherapy, surgery and immunology are also published. Papers are accepted on a worldwide basis.</td>
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<td><strong>Medical Physics ('The International Journal of Medical Physics')</strong></td>
<td>Is our flagship publication with authors and subscribers throughout the world. It is available in print and online through individual and library subscriptions. Subscription provides online access and sophisticated search capability through the entire journal archive at no additional charge. RSS feeds from Medical Physics provide notification of new articles published in selected topical areas regardless of subscription. USA</td>
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<td><strong>Physics in medicine and biology</strong></td>
<td>Topics covered are: all areas of radiotherapy physics; radiation dosimetry (ionizing and non-ionizing radiation); biomedical imaging (e.g. x-ray, MR, ultrasound, optical, nuclear medicine); image reconstruction and kinetic modelling; image analysis and computer-aided detection; other radiation medicine applications; therapies (including non-ionizing radiation); biomedical optics; radiation protection; radiobiology; body composition</td>
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<td><strong>Medical Dosimetry,</strong></td>
<td>The official journal of the American Association of Medical Dosimetrists, is the key source of information on new developments for the medical dosimetrist. Practical and comprehensive in coverage, the journal features original contributions and review articles by medical dosimetrists, oncologists, physicists, and radiation therapy technologists on clinical applications and techniques of external beam, interstitial, intracavitary and intraluminal irradiation in cancer management. Articles dealing primarily with physics will be reviewed by a specially appointed team of experts in the field. USA</td>
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<tr>
<td><strong>Radiation Oncology,</strong></td>
<td>Is an open access, peer-reviewed online journal that encompasses all aspects of research that impacts on the treatment of cancer using radiation. It publishes findings in molecular and cellular radiation biology, radiation physics, radiation technology, and clinical oncology.</td>
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<tr>
<td><strong>The British Journal of Radiology,</strong></td>
<td>It is a multidisciplinary journal covering all clinical and technical aspects of diagnostic imaging, radiotherapy and oncology, medical physics and radiobiology. The multidisciplinary approach of the journal enables readers to keep up-to-date with developments in their own as well as related fields. Articles included in BJR cover a wide range of subjects, including diagnostic radiology, radiotherapy, oncology, nuclear medicine, ultrasound, radiation physics, radiation protection and radiobiology.</td>
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**Medical & Biological Engineering & Computing**

Impact Factor: 1.382, 1.717

1.791, 1.878, 1.790

**Issues per year:** 6

Medical & Biological Engineering & Computing, MBEC, is the official journal of the International Federation of Medical and Biological Engineering, IFMBE.

MBEC covers the entire spectrum of biomedical and clinical engineering. The journal aims to present exciting and vital experimental and theoretical developments in biomedical science and technology and to report on advances in computer-based methodologies in these multidisciplinary subjects. The journal also strives to incorporate new and emerging fields including cellular engineering, molecular imaging, and evolving technologies

**Impact Factor:** 0.999, 1.172, 1.179

**Issues per year:** 12

**Medical & Biological Engineering & Computing**

Impact Factor: 1.114, 1.094, 0.999, 1.172, 1.179

**Issues per year:** 24

**Medical & Biological Engineering & Computing**

Impact Factor: 1.225, 1.168, 1.008, 1.291, 0.959

**Issues per year:** 6

**Medical & Biological Engineering & Computing**

Impact Factor: 0.698, 1.500, 2, 1.397, 1.119, 1.167

**Issues per year:** 4

**Medical & Biological Engineering & Computing**

Impact Factor: 1.236, 0.973, 1.019, 1.177, 0.861

**Issues per year:** 12

**Applied Radiation and Isotopes**

Provides a high quality medium for the publication of substantial, original and scientific technological papers on the development and applications of nuclear, radiation and radionuclide techniques in chemistry, physics, biochemistry, biology, medicine, engineering and in the earth, planetary and environmental sciences. Nuclear techniques are defined in the broadest sense and both experimental and theoretical papers are welcome. They include the development and use of α- and β-particles, X-rays and γ-rays, neutrons and other nuclear particles and radiations from all sources, including radionuclides, synchrotron sources, cyclotrons and reactors and from the natural environment. Nuclear magnetic resonance and electron spin resonance are important technologies within the scope of Applied Radiation and Isotopes.

Papers dealing with radiation processing, or the biological, chemical or physical effects of radiation are not appropriate for publication in Applied Radiation and Isotopes. Manuscripts dealing with radiation processing, or the chemical or physical effects of radiation should be directed to our sister journal J Radiat Phys Med. Manuscripts describing the results of measurements of radioactive or other substances in any medium that have been obtained using well-established analytical methods will not be accepted unless they also describe substantial innovations or improvements in the analytical methodology. Relevant topics for Applied Radiation and Isotopes include the following, however, authors are encouraged to suggest other topics which might also be published in the journal.

**United Kingdom**

**The Journal of Applied Clinical Medical Physics**

Is an applied journal, publishing papers that will help clinical medical physicists perform their responsibilities more effectively and efficiently, and for the increased benefit of the patient. Manuscripts in clinical practice, administration, regulations, health physics, machine maintenance, etc. will be considered. This journal is published by the American College of Medical Physics, USA

**Applied Radiation and Isotopes**

Impact Factor: 0.999, 1.078, 1.042, 2.121, 1.266

**Issues per year:** 24

**Medical & Biological Engineering & Computing**

Impact Factor: 1.114, 1.094, 0.999, 1.172, 1.179

**Issues per year:** 24

**Medical & Biological Engineering & Computing**

Impact Factor: 1.225, 1.168, 1.008, 1.291, 0.959

**Issues per year:** 6

**Medical & Biological Engineering & Computing**

Impact Factor: 0.698, 1.500, 2, 1.397, 1.119, 1.167

**Issues per year:** 4

**Medical & Biological Engineering & Computing**

Impact Factor: 1.236, 0.973, 1.019, 1.177, 0.861

**Issues per year:** 12

**Physica Medica**

Is the official journal of Associazione Italiana di Fisica Medica and the European Federation of Organisations for Medical Physics. Physica Medica, European Journal of Medical Physics, publishing with Elsevier from 2007, provides an international forum for research and reviews on the following main topics:

- Medical Imaging
- Radiation Therapy
- Radiation Protection
- Measuring Systems and Signal Processing
- Education and training in Medical Physics

Contributions on other topics related to Applications of Physics to Biology and Medicine and in particular related to new emerging fields such as Molecular Imaging, Hadrontherapy, System biology, Nanoparticles and Nanotechnologies, etc. are strongly encouraged.

**Radiation Measurements**

Provides a forum for the presentation of the latest developments in the broad field of ionizing radiation detection and measurement. It publishes original papers on both fundamental and applied research.

Traditionally the journal has covered methods that comprise solid state nuclear track detectors; spontaneous and stimulated luminescence (including scintillating materials, thermoluminescence, and optically stimulated luminescence); electron spin resonance of natural and synthetic materials; nuclear magnetic resonance (including ferrous sulfate and polymer gels), and superheated emissions (including superheated drop and bubble detectors). Physics, design and performance of radiation measurements, including computational modelling such as Monte Carlo simulations, are of relevance to the journal, as well as studies of energy-transfer phenomena, track physics and microdosimetry.

Measurements and calculations of fundamental physical data, such as cross sections, reaction yields and attenuation coefficients, are acceptable within studies of radiation detection and dosimetry.

Applications of interest to the journal are: personal dosimetry (including dosimetric quantities, active/electronic and passive monitoring techniques for photon, neutron and charged-particle exposures); environmental dosimetry (including radon measurement advances, predictive and predictive dosimetry (including activation detectors). Papers that present novel detection techniques and applications such as illicit radiological and nuclear material detection (including contraband interdiction and safeguards oversight) are also sought. Review articles are periodically solicited by the Editors. United Kingdom
### Australian Physics & Engineering Science in Medicine
Australian Physics & Engineering Sciences in Medicine (APESM) is a multidisciplinary forum for information and research on the application of physics and engineering to medicine and biology, that covers a broad range of topics. Recent articles include a tutorial for treatment planning in radiation oncology physics, a spreadsheet for use in Partial Breast Irradiation, employing measurements performed at the time of the planning CT scan; and a paper describing the calibration of hardware modified phones for use in studying the health effects of mobile telephone use. APESM offers original reviews, scientific papers, scientific notes, technical reports, case reports, and educational notes, book reviews and letters to the editor. APESM is the journal of the Australasian College of Physical Scientists and Engineers in Medicine, and also the official journal of the College of Biomedical Engineers, Engineers Australia and the Asia-Oceania Federation of Organizations for Medical Physics.

**Impact Factor:** 0.434, 0.63, 0.709, 0.561, 0.885

### The Journal of Radiotherapy in Practice
The Journal of Radiotherapy in Practice is a peer-reviewed journal covering all of the current modalities specific to clinical oncology and radiotherapy. The journal aims to publish research from a wide range of styles and encourage debate and the exchange of information and opinion in this rapidly changing field. The journal also aims to encourage technical evaluations and case studies as well as equipment reviews that will be of interest to an international radiotherapy audience.

**Impact Factor:** 0.255, 0.304, 0.255, 0.314, 0.226

### Acta Oncologica
Acta Oncologica is the official journal of the five Nordic oncological societies. The members of the editorial committee represent these societies. Acta Oncologica is a scientific medical journal within clinical oncology and related disciplines. It accepts articles within all fields of clinical cancer research from applied basic research to cancer nursing and psychological aspects of cancer. Articles on tumour pathology, experimental oncology and biology, cancer epidemiology and medical radiophysics are welcomed if they have a clinical aim or interest. Besides submitted specific articles, review articles are published regularly. Special material may also be published as supplements.

**Impact Factor:** 2.739, 2.265, 3.334, 3.582, 2.867

### International Journal of Radiation Research (IJRR)
International Journal of Radiation Research (IJRR) publishes original scientific research and clinical investigations related to radiation oncology, radiation biology, and Medical and health physics. The clinical studies submitted for publication include experimental studies of combined modality treatment, especially chemoradiotherapy approaches, and relevant innovations in hyperthermia, brachytherapy, high LET irradiation, nuclear medicine, dosimetry, tumor imaging, radiation treatment planning, radiosensitizers, and radioprotectors. All manuscripts must pass stringent peer-review and only papers that are rated of high scientific quality are accepted.

**Impact Factor:** 0.078, 0.172, 0.277, 0.338, 0.414

### Journal of Medical Physics
The official journal of Association of Medical Physicists of India. The scope of this journal covers all aspects of the application of radiation physics to biological sciences, radiotherapy, radiodiagnosis, nuclear medicine, dosimetry, radiation standards and radiation protection. Papers / manuscripts on radiobiology, pertaining to cancer therapy also fall within the scope of the journal. Apart from the original research work, papers which are of practical importance to medical physicists e.g., those dealing with novelty in practices, (performance and quality assurance tests, clinical investigations and follow-ups), radiation accidents and emergencies are also published in the journal. Reviews of other publications (e.g., ICRP / ICRU reports) also find place in the journal. Manuscripts with no or oblique relevance to the scope may not find a place.

**Impact Factor:** 0.262, 0.460, 0.492, 0.696, 0.887

### Technology in Cancer Research and Treatment
Technology in Cancer Research and Treatment (TCRT) welcomes manuscripts from active investigators involved in technologies devoted to early diagnosis, treatment, and palliation of cancer. TCRT will include both experimental and theoretical investigations. Among the topics that will be covered are MRI, including functional MRI, spiral CT, PET, optical spectroscopy, computer-aided reconstruction of tumours, computer-aided drug design, stereotactic radiosurgery, cryosurgery, brachytherapy, electroporation, photodynamic therapy, gene therapy, cancer vaccine, proteomics, and genomics, as they impact cancer research and treatment. Special emphasis will be given to non-invasive techniques. TCRT publishes original articles, express communications, opinion pieces, and timely reviews. No case report or a single institute experience will be considered for publication.

**Impact Factor:** 2.671, 1.720, 1.982, 1.841, 1.914, 2.02

### Reports of Practical Oncology and Radiotherapy
Reports of Practical Oncology and Radiotherapy is an interdisciplinary bimonthly journal, publishing original contributions in clinical oncology and radiotherapy, as well as in radiotheraphy physics, techniques and radiotherapy equipment.

**Impact Factor:** 0.135, 0.092, 0.210, 0.458, 1.890

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by P. Rezakanfard
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<th>Journal</th>
<th>Impact Factor</th>
<th>Issues per year</th>
<th>Description</th>
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<tr>
<td><strong>BMC Medical Physics</strong></td>
<td>1.3, 0.4, 1.455, 1.571, 1.000</td>
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<tr>
<td><strong>Journal of Medical Imaging and Radiation Oncology</strong></td>
<td>0.533, 0.719, 1.145, 1.139, 0.981</td>
<td>6</td>
<td>Official Journal of The Royal Australian and New Zealand College of Radiologists</td>
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<tr>
<td><strong>Journal of Medical Imaging and Radiation Sciences</strong></td>
<td>0.065, 0.111, 0.102, 0.140</td>
<td>4</td>
<td>Official Journal of the Canadian Association of Medical Radiation Technology</td>
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<tr>
<td><strong>Medical Image Analysis</strong></td>
<td>3.843, 5.225, 5.583, 4.087</td>
<td>6</td>
<td>An official journal of the MICCAI Society</td>
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<tr>
<td><strong>Radiological Physics and Technology</strong></td>
<td>0.543, 0.750, 0.759, 0.600</td>
<td>2</td>
<td>The purpose of the journal Radiological Physics and Technology is to provide a forum for sharing new knowledge related to research and development in radiological science and technology, including medical physics and radiological technology in diagnostic radiology, nuclear medicine, and radiation therapy among many other radiological disciplines, as well as to contribute to progress and improvement in medical practice and patient health care.</td>
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<tr>
<td><strong>Radiation Physics and Chemistry</strong></td>
<td>1.149, 1.132, 1.227, 1.375</td>
<td>12</td>
<td>The Journal for Radiation Physics, Radiation Chemistry and Radiation Processing is a multidisciplinary journal linking science and industry. Radiation Physics and Chemistry is a multidisciplinary journal that provides a medium for publication of substantial and original papers, reviews, and short communications which focus on research and developments involving ionizing radiation in radiation physics, radiation chemistry and radiation processing. The journal aims to publish papers with significance to an international audience, containing substantial novelty and scientific impact. The Editors reserve the rights to reject, with or without external review, papers that do not meet these criteria. This could include papers that are very similar to previous publications, only with changed target substrates, employed materials, analysed sites and experimental methods, report results without presenting new insights and/or hypothesis testing, or do not focus on the radiation effects. A fuller though not exhaustive list of topics that are considered for publication include:</td>
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<td>Journal</td>
<td>Aims and Scope</td>
<td>Impact Factor</td>
<td>Issues per year</td>
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<td><strong>Polish Journal of Medical Physics and Engineering</strong>&lt;br&gt;Aims and Scope</td>
<td>Why subscribe and read&lt;br&gt;Excellent articles authored by researchers from all over the world, who appreciate our fast, fair and constructive peer review</td>
<td>0.05, 0.033, 0.100</td>
<td>4</td>
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<td><strong>Practical Radiation Oncology</strong>&lt;br&gt;An official journal of the <a href="https://www.astro.org">American Society for Radiation Oncology</a> (ASTRO)</td>
<td>The overarching mission of PRACTICAL RADIATION ONCOLOGY is to improve the quality of radiation oncology practice. The Journal’s purpose is to document the state of current practice, providing background for those in training and continuing education for practitioners, through discussion and illustration of new techniques, evaluation of current practices, and publication of case reports. PRO will strive to provide its readers content that emphasizes knowledge “with a purpose.” The content of PRO includes:</td>
<td>1.194</td>
<td>4</td>
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<td><strong>Journal of Cancer Research and Therapeutics</strong>&lt;br&gt;The Journal of Cancer Research and Therapeutics (JCRT), the official publication of Association of Radiation Oncologists of India (AROI). The JCRT, a quarterly publication, dedicated to basic and clinical sciences in oncology including radiation oncology.</td>
<td></td>
<td>0.74, 0.74, 0.656, 0.761</td>
<td>4</td>
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<tr>
<td><strong>Journal of Radiation Research</strong>&lt;br&gt;The Journal of Radiation Research (JRR) is an official journal of The Japan Radiation Research Society (JRRS), and the Japanese Society for Therapeutic Radiology and Oncology (JASTRO).</td>
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<td>1.96, 2.34, 2.23, 1.89, 1.447</td>
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<td><strong>Japanese Journal of Radiology</strong>&lt;br&gt;Japanese Journal of Radiology is a peer-reviewed journal, officially published by the Japan Radiological Society. The main purpose of the journal is to provide a forum for the publication of papers documenting recent advances and new developments in the field of radiology in medicine and biology. The scope of Japanese Journal of Radiology encompasses but is not restricted to diagnostic radiology, interventional radiology, radiation oncology, nuclear medicine, radiation physics, and radiation biology. Additionally, the journal covers technical and industrial innovations. The journal welcomes original articles, case reports, technical notes, review articles, pictorial essays and letters to the editor. The journal also provides announcements from the boards and the committees of the society. Membership in the Japan Radiological Society is not a prerequisite for submission. Contributions are welcomed from all parts of the world.</td>
<td></td>
<td>0.928, 0.836, 1.011, 0.783, 0.730</td>
<td>10</td>
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<tr>
<td><strong>Clinical Oncology</strong>&lt;br&gt;Clinical Oncology is an official Journal of the Royal College of Radiologists. It provides essential reading for all those with an active interest in the treatment of cancer and its multidisciplinary approach allows readers to keep up-to-date with developments in their own as well as related fields. The journal features papers on all types of malignant disease including pathology, diagnosis and therapy, including radiotherapy, and systemic treatment. (United Kingdom)</td>
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<td>1.984, 2.383, 3.055, 2.072, 2.858</td>
<td>10</td>
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<td><strong>Radiation Research</strong>&lt;br&gt;The official journal of the Radiation Research Society, publishes original and review articles dealing with radiation effects and related subjects in the areas of physics, chemistry, biology and medicine, including epidemiology and translational research. The term radiation is used in its broadest sense and includes specifically ionizing radiation and ultraviolet, visible and infrared light as well as microwaves, ultrasonic and heat. Effects may be physical, chemical or biological. Related subjects include (but are not limited to) dosimetry methods and instrumentation, isotope techniques and studies with chemical agents contributing to the understanding of radiation effects. (United States)</td>
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<td>1.764, 2.762, 2.622, 2.769, 2.698</td>
<td>6</td>
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*by P. Roszkowski*
**Korean Journal of Radiology**

The inaugural issue of the Korean J Radiol came out in March 2000. Our journal aims to produce and propagate knowledge on radiologic imaging and related sciences.

A unique feature of the articles published in the Journal will be their reflection of global trends in radiology combined with an East-Asian perspective. Geographic differences in disease prevalence will be reflected in the contents of papers, and this will serve to enrich our body of knowledge.