

IOMP JOURNAL MEDICAL PHYSICS INTERNATIONAL – ACHIEVEMENTS AND STATISTICS OF THE FIRST 3 YEARS

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The new IOMP Journal Medical Physics International (MPI) was initiated during the summer of 2012 as an official publication of IOMP, devoted to educational and professional issues (Journal ISSN 2306-4609). The first issue of MPI was published during April 2013 as a free access online e-Journal (www.mpijournal.org). Since this time MPI established itself as one of the major Journals of the profession. For the period April 2013 – March 2016 the overall number of downloads from the MPI web site is 179,697. The Journal has a steady number of downloads per month – between 4000 and 6000 in the first two years, and increasing to 8000 for the latest issue (December 2015) – Fig.1.

- Varia and PhD abstracts
- Conference Proceedings

The Technical Editors of MPI (Dr M Stoeva and Ing. A Cvetkov) created and tested the web site for the MPI Journal www.mpijournal.org, which works with various computer systems (Windows, Mac, Android), as well as with various Internet Browsers.

MPI Journal was created specifically aiming to address various education/training, professional and related issues. The entry pages are indicative of the interest created by the Journal – 72% are direct entry pages (blue); 20% are visits via referring domains (red), and 8% are visits via Search engines (green) – Fig.2.

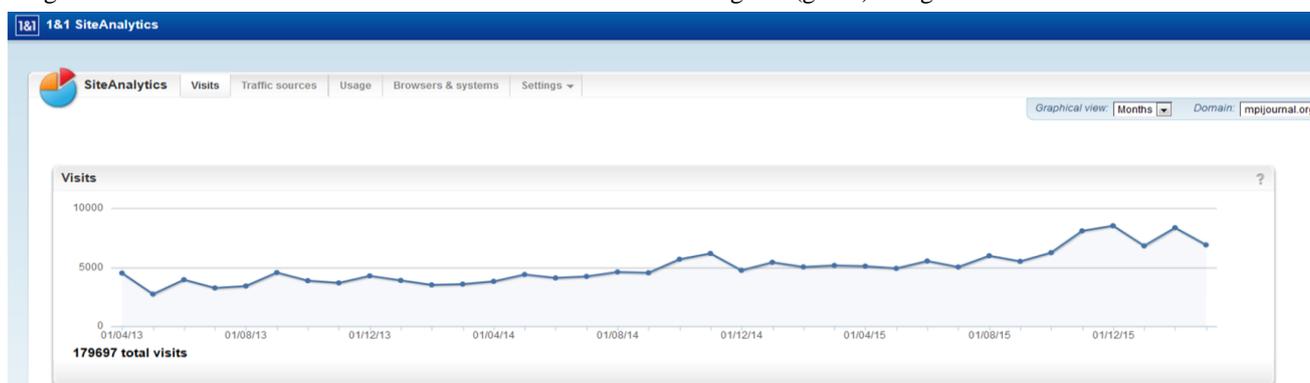


Figure 1 – MPI web site (www.mpijournal.org) statistics of unique visits April 2013 – March 2016

For these 3 years MPI has published 6 issues (two per year) with 60 papers, 29 other publications, and about 2000 abstracts from two Conferences (ICMP2013, Brighton and RPM2015, Varna). In this way the first 6 issues of MPI include 380 pages of articles and 840 pages of Conference abstracts.

The main topics of the MPI Journal are organised in the following areas:

- IOMP Publications
- Professional topics
- Education/Training topics
- Invited lectures
- Collaborating Journals
- Technology Innovation
- Review Articles
- Tutorial Articles an “How to” Articles

The very high percentage of direct hits (72%) is a clear indicator for the need of the information published in the MPI Journal.

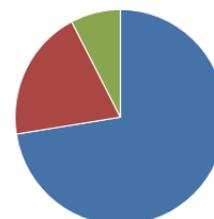


Fig. 2 – Analysis of traffic through www.mpijournal.org

The majority of the papers in MPI have several hundreds of downloads each, while about 1/3 of these have more than 1000 downloads each. These most often downloaded papers (from April 2013 to March 2016) are:

- DOSE MEASUREMENTS IN SMALL FIELDS
- INTRACTIONAL PROSTATE MOTION MANAGEMENT WITH THE CLARITY AUTOSCAN SYSTEM
- ITERATIVE MODEL RECONSTRUCTION: SIMULTANEOUSLY LOWERED COMPUTED TOMOGRAPHY RADIATION DOSE AND IMPROVED IMAGE QUALITY
- A REVIEW OF DIGITAL BREAST TOMOSYNTHESIS
- THE DEVELOPMENT OF MODERN TIME-RESOLVED ANGIOGRAPHIC IMAGING; APPLICATIONS OF UNDERSAMPLED ACQUISITION AND CONSTRAINED RECONSTRUCTION
- INTRODUCTION TO VISION, COLOUR MODELS AND IMAGE COMPRESSION
- RADIATION DOSE OPTIMIZATION TECHNOLOGIES IN MULTIDETECTOR COMPUTED TOMOGRAPHY: A REVIEW
- MEDICAL PHYSICS THESAURUS AND INTERNATIONAL DICTIONARY
- RADIATION PROTECTION OF PATIENTS WEBSITE OF THE IAEA AS A MAJOR RESOURCE FOR MEDICAL PHYSICISTS
- MEDICAL PHYSICS EDUCATION IN MALAYSIA –WITH THE EXAMPLE OF THE MASTER OF MEDICAL PHYSICS PROGRAMME AT THE UNIVERSITY OF MALAYA
- IAEA EDUCATION AND TRAINING ACTIVITIES IN MEDICAL PHYSICS
- IMAGE GENTLY CAMPAIGN: MAKING A WORLD OF DIFFERENCE
- ACCREDITATION OF MEDICAL PHYSICS EDUCATIONAL PROGRAMS IN NORTH AMERICA
- EFFECTIVE PHYSICS EDUCATION FOR OPTIMIZING CT IMAGE QUALITY AND DOSE MANAGEMENT WITH OPEN ACCESS RESOURCES
- SAFRON – IMPROVING SAFETY IN RADIOTHERAPY
- EUTEMPE-RX MODULE MPE01: ‘DEVELOPMENTS IN THE PROFESSION AND CHALLENGES FOR THE MEDICAL PHYSICS EXPERT (D&IR) IN EUROPE’ – A FIRST IN INTERNATIONAL MEDICAL PHYSICS E&T
- TEACHING RADIOTHERAPY PHYSICS CONCEPTS USING SIMULATION: EXPERIENCE

WITH STUDENT RADIOGRAPHERS IN LIVERPOOL, UK

-ULTRASOUND IMAGING GOES ULTRAFAST A CHANGE IN PARADIGM IN MEDICAL ULTRASOUND

The first 4 of the listed papers have more than 10,000 downloads each.

Papers from the past Journals continue to be in high demand. This is a clear sign that they present materials with outstanding educational value. The history-related papers, such as “A HISTORY of IOMP” and “50 OUTSTANDING MEDICAL PHYSICISTS” attract also high interest.

The global use of the latest issue of the MPI Journal (December 2015) is indicative of the development of the profession – as per the 1&1 server statistics:

Usage of MPI issue December 2015 - Geographic Region (by 30 March 2016)	Number of downloads
Asia	5508
Europe	4178
North America	3779
Africa	421
Oceania (mainly AU and NZ)	323
South America (incl. Central America)	267

The Conclusion from the first three years of MPI Journal clearly show that the Journal satisfied a clear need of information related to educational and professional topics. Clearly such a Journal is imperative for a dynamic profession, which uses various e-learning methods, technologies and materials. MPI continues to provide a forum for exchange of educational experience and professional issues and collaborated successfully with the existing Research-orientated Journals in medical physics and with the industry in the field.

Finally, I would like to thank personally and on behalf of the Co-Editor in Chief, Prof. P Sprawls, the MPI Editorial Board and the IOMP ExCom, all authors who submitted papers to the MPI Journal.