Journal of Medical Radiation Sciences (JMRS) invites authors to submit articles to a special themed issue on

Horizon scanning: The impact of technology and integration on MRS profession

Technological innovation in medical radiation sciences (MRS) is resulting in transformational changes, not only of workflows, but of the profession as well. Studies have shown technological innovations such as artificial intelligence are revolutionising frontline work process within MRS. While the innovations are creating a paradigm shift, implications at a system level need to be considered, and how the professionals in the field need to adapt in preparation for the future of MRS. Education facilities will need to evolve with the changing MRS professional domain and cater undergraduate and postgraduate courses to meet the demand for changing scope of practice.

This special edition will explore the paradigm shift in MRS and address the impact that workflow automation and multidisciplinary teams are having on the educational requirements for MRS practitioners. The once siloed fields have evolved, and we are now seeing a group of MRS practitioners emerge with increased skills in multiple fields.

CALL FOR PAPERS

Special Themed Issue on Horizon Scanning

We are particularly interested in articles addressing the impact that advanced technologies are having on the educational and training requirements of medical radiation practitioners.

With advanced skill sets becoming a prerequisite compelled by the rapid implementation of automation and hybrid image guided treatment machines, it is timely that the community of medical radiation practitioners address the requirements for formal training and education.

Journal of Medical Radiation Sciences — Open Access

TOPICS

Potential topics include, but are not limited to:

- **A review of existing training and professional development of MRS practitioners and the required change of educational requirements for future MRS streams.**
- **The role technological advances have played in dictating the need for changes in education and training.**
- **The rapid adoption of technology but lack of education and training to keep up. What considerations need to be made now to prepare us for the change?**
- **The impact new technologies such as artificial intelligence and deep learning has had on traditional workflows in diagnostic radiography, nuclear medicine and radiation therapy.**
- **Insight in to the latest technologies for treatment and response assessment such as, but not limited to; functional MRI, PET-MRI, MRI guided radiation therapy.**
- **Integration of imaging and therapeutic MRS practitioners and its impact on frontline workflows**

Before submission authors should carefully read over the journal's Author Guidelines, which are available at www.jmrsjournal.com. On the cover page/letter please state that your manuscript is to be considered for the special themed issue.

Prospective authors should submit an electronic copy of their complete manuscript through the journal's Manuscript Tracking System at https://mc.manuscriptcentral.com/jmrs according to the timetable on the website.

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