EDITORIAL

APESM statistics and summary of 2017–2018

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It is of potential interest to readers of APESM to know some of the statistics and highlights of the journal in the past year, as has been published previously [1].

Table 1 shows summary statistics for both 2017 and 2018, as well as previously published statistics for 2014–2016 [1]. Consistent growth can be seen in the number of manuscripts received over several years, although the total number of articles published has only slightly increased, indicating an increasing rejection rate. All manuscripts received undergo a quality check, and many are found to be unsuitable or not ready for review; of these, many are returned to the authors for correction prior to review and many are rejected without review. The rate of rejection without review has remained fairly consistent at roughly 30–40%.

In 2018 APESM published a special section on Advanced in artificial intelligence in biomedical image analysis, edited by Kelvin Wong and Jianxu Chen [2] which contained 4 articles [3–6], with a review article being published in the following issue [7].

The top 20 keywords of articles (source: Scopus) are given in Table 2. The topics of articles can roughly be sorted into groups describing medical physics studies (algorithms, radiation response, dosimetry, radiotherapy, dose-response relationship, diagnostic imaging, image processing), biomedical engineering [algorithm(s), signal processing, signal processing computer assisted], and clinical [Human(s), controlled study, male, female, adult, radiation response, procedures, clinical article].

Awards

Each year the Kenneth Clarke award is presented to the authors of the best article to have originated from Australasian authors from the previous year, as voted for by the editorial team including the editor, deputy editors, associate editors and Editorial Review Board members. In 2018 the award went to the authors of *Predicting prostate tumour location from multiparametric MRI using Gaussian kernel support vector machines: a preliminary study* [8]. In 2017 the award went to the authors of *Initial experiments with gel-water: towards MRI-linac dosimetry and imaging* [9]. The Springer citation award for 2018 (most cited article of those published in the years from 2013 to 2017) went to *Mobile healthcare applications: system design review, critical issues and challenges* [10].

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Table 1 Manuscript statistics of APESM 2014–2018

Year	Number of MS submitted	Number of scientific articles published	Number of MS rejected without review
2014	211	68	85
2015	289	69	101
2016	297	84	119
2017	304	87	133
2018	460	83	184

Table 2 Occurrences of keywords for 2017–2018 articles

Keywords (occurrence)

Article (169)

Human (169)

Humans (162)

Controlled study (65)

Algorithm (62)

Male (57)

Algorithms (56)

Female (50)

Adult (46)

Radiation response (39)

Dosimetry (37)

Radiotherapy (36)

Signal processing (36)

Procedures (35)

Dose-response relationship, radiation (34)

Signal processing, computer-assisted (33)

Physiology (32)

Clinical article (30)

Diagnostic imaging (27)

Computer simulation (25)

Image processing (25)

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