

Editorial Board Committee

*Report to the General Assembly
May 5, 2023*

Committee Members

Dr. Kenneth M. Hargreaves, Chair
Dr. Anita Aminoshariae
Dr. Amir Azarpazhooh
Dr. Ashraf F. Fouad
Dr. Gerald N. Glickman
Dr. Jianing (Jenny) He
Dr. Martin Kim
Dr. Anil Kishen
Dr. Ariadne Letra
Dr. Linda G. Levin

Dr. Frank Setzer
Dr. Franklin R. Tay
Dr. Steven Katz, Board Liaison
Lindsay Allen, Elsevier
Ken Widelka, Staff Liaison
Kimberly FitzSimmons, Staff Liaison
Elisabeth Lisican, Staff Liaison

Meetings

The Editorial Board Committee met in person at AAE22 and by teleconference and conducted routine business throughout the year via email and the EES manuscript website. The following provides a report of completed activities for our *Journal of Endodontics*.

Mission of the *Journal of Endodontics*

The *Journal of Endodontics* is the official journal of the American Association of Endodontists. The *Journal* achieves global impact by serving as an authoritative resource that publishes high quality and timely contributions related to the art and science of endodontics and pulp biology from the fields of clinical and basic sciences, clinical therapeutics and educational research.

Completed Activities:

We are proud to report the continued successes that have occurred with the *Journal* this year. With >450 endodontists and scientists from >25 countries currently serving as members of our Scientific Advisory Board (SAB), the *JOE* represents a substantial commitment to excellence by AAE members and endodontists around the world. Together, we believe that we have made steady progress in our efforts to improve an already strong publication, and we look forward to continued improvement in future years.

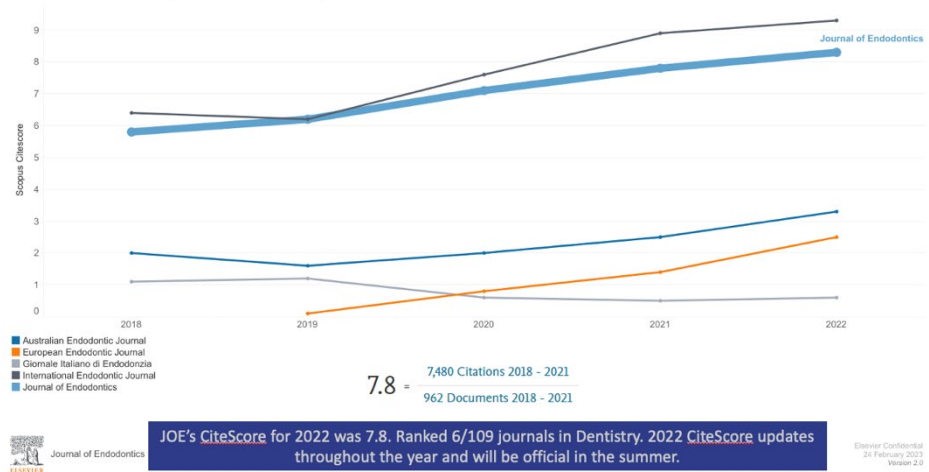
1. The *JOE* has developed an outstanding Impact Factor over the last two decades (Fig 1). The Impact Factor is a measure of how often a published paper is cited over the previous two years, and thus provides one measure of the scientific impact of a journal. The 2021 impact factor ranks the *JOE* #15 out of a total of 109 dental journals. Other measures are also quite strong: in 2021, the *JOE* generated considerably more total citations (6,955 vs 5,807) and published



more papers than the IEJ. (Please note that the 2022 Impact Factor will not be published until summer of 2023).

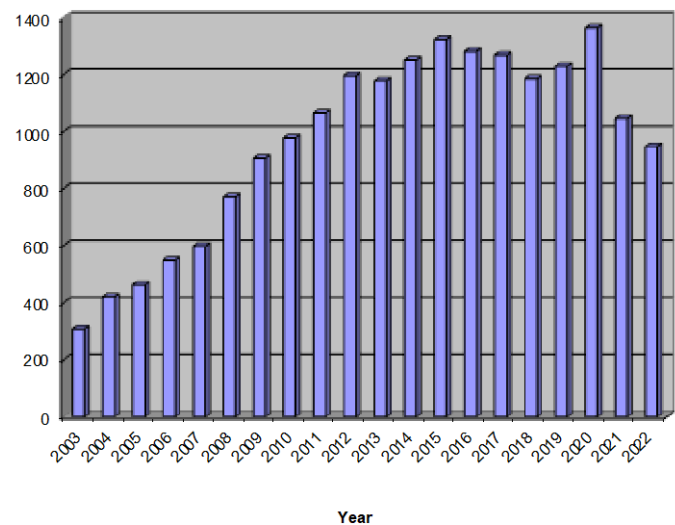
Elsevier has recently supported another method to analyze the scientific impact of a journal. This metric is called “CiteScore” and measures the total number of citations over a three year period (vs two years for the Impact Factor metric). The JOE performs very well on this metric as does the IEJ. Indeed, the JOE was ranked 6th out of 109 journals in dentistry based on the CiteScore rank.

Journal Comparison Scopus CiteScore



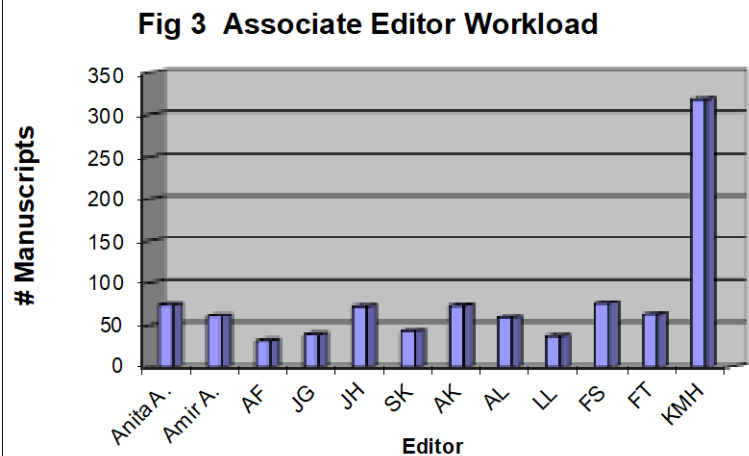
- There has been a 206% increase in the number of new manuscripts submitted to the *JOE* from 2003-2022 (Fig 2). We attribute this increase to the web-based manuscript submission system started in 2004 and (we hope) to the increasing stature of the *Journal*. This increase in submissions consisted of many manuscripts of good quality. In addition to the 947 new manuscripts submitted in 2020, an additional 223 revised manuscripts were submitted in response to a prior review. Thus, the Editorial Board reviewed a total of 1,170 manuscripts submitted in 2021, which equates to about 3.2 papers submitted every day throughout the year. We believe the COVID-19 pandemic had an impact on increased submissions in 2020, with a reversion to the mean in 2021 and 2022.

Fig 2 New Submissions per Year



- Our goal is to have a 6-9 month backlog between manuscript acceptance and publication. Our backlog for 2022 was ~1 months between manuscript acceptance and publication.

4. Our Associate Editors are charged with the responsibility of seeking independent reviewers for submitted manuscripts, monitoring the review process, and making recommendations of acceptance, rejection or revision. The 2022 Associate Editors were: Drs. Amir Azarpazhooh, Anita Aminoshariae, Ashraf Fouad, Gerald Glickman, Jianing He, Sahng Kim, Anil Kishen, Ariadne Letra, Linda Levin, Frank Setzer and Frank Tay. These are truly gifted endodontists who have made substantial contributions to the *Journal* over their time of service. Ken



Hargreaves also serves as one of the reviewing editors. The 2022 distribution of new and revised manuscript assignments for this editorial team is presented in Figure 3. Differences in manuscript assignments among the Associate Editors reflects differences in subject matter interest, availability or timing of recruitment.

5. The following provides a summary of the performance measures of the web-based review process for 2020:
- Of the 947 new submissions, the review process took an average of 4.0 days for the editor to assign an Associate Editor, an average of 9.3 days for the associate editor to assign two reviewers, and an additional 15.1 days for the reviews to be completed. Over the last 19 years, we have experienced about a 8% increase in the delay from manuscript submission to first decision (**Table 1**). The improvement in turn-around times from 2017-2022 may have been due in part to increased number of Associate Editors and to a reduction in total submitted manuscripts.

- We request a 14 day deadline for reviewers to complete their review. Of 863 reviews completed in 2022, the average review time was 15.1 days; 553 reviews were submitted an average of 5.5 days earlier than our deadline and 308 reviews were submitted an average of 9.1 days late. Every reviewer is sent a thank you note from the website that reminds them of the opportunity to log on and read the (blinded) email to the author containing the comments of the editor and other reviewer. However, we do note that 362 reviewer invitations were declined; we do not know if this was related to the pandemic or to possible reviewer burn-out.

Year	Time to 1st Decision	% change from 2004
2004	24.2 days	
2005	22	-10%
2006	26	8%
2007	26	7%
2008	28	16%
2009	30	25%
2010	40	64%
2011	36	48%
2012	36	50%
2013	43	77%
2014	39	61%
2015	32	33%
2016	37	53%
2017	38	59%
2018	34	42%
2019	37	53%
2020	33	35%
2021	27	12%
2022	26.2	8%

6. The review process resulted in only 16% of new and revised manuscripts being accepted, and 84% being declined for publication. Our objective is not to needlessly reject manuscripts, but instead to improve the quality of published manuscripts and to reduce the delay in publication.
7. Elsevier has recently introduced a very important new application for our online manuscript review. It is called "CrossCheck" by iThenticate. CrossCheck compares text in the submitted manuscript to a very large database of previously published papers and calculates a % similarity value. Thus, the Editor runs CrossCheck on every submitted manuscript and then manually reviews the results to identify potential plagiarism issues. This has resulted in about 1-3 manuscript per month being rejected from further consideration by the JOE.

8. The 2022 Scientific Advisory Board consisted of >450 reviewers from >25 countries. The reviewers were selected for their expertise and their distribution across educational programs and include many in private practice. Approximately 70% of the reviewers are in the USA or Canada, and we continue to expand the list of international reviewers. Reviewers have identified their interest in reviewing manuscripts based on selected topics. The Associate Editor uses this list to help identify potential reviewers for each assigned manuscript. The rationale for segregating reviewers by topic is to ensure selection of appropriate reviewers for each particular manuscript. In 2015, Elsevier began sponsoring a reception to honor members of the SAB. We thank Elsevier for their support of initiatives to recognize and thank SAB members and to recognize JOE Paper of the Year Awardees. We note that we are currently manually curating the reviewer list to ensure that reviewers with inactive emails or not responsive are removed from our system.
9. Ms Lindsey Allen of Elsevier serves as our Publisher company. Ms Maria Tortora has replaced Ms MaryKate Sullivan as our Journal Manager. We continue to have very positive interactions with Elsevier. The Editorial Manager website is superb and has had very little downtime. We have had reports from several reviewers about problems logging into the website; Elsevier is still studying this issue. Manuscript production quality and timeliness are in general quite good. There are several identified individuals who are charged with solving various problems and service is good.
10. A sub-committee of the EBC, consisting of Drs. Fouad, Kishen and Tay, conducts the selection process after receiving nominations for the JOE Paper of the Year Award. This initiative was approved by the BOD in May 2014 and the process was instituted that year. The following papers were voted by the EBC to receive the JOE Paper of the Year Award for 2022.

Basic Research: Biology:

Sun, X. F., Qiao, W. W., Meng, L. Y. and Bian, Z. (2022). "PIEZO1 Ion Channels Mediate Mechanotransduction in Odontoblasts." *J Endod* 48(6): 749-758.

Basic Research: Technology:

Aldahmash, S. A., Price, J. B., Mostoufi, B., Griffin, I. L., Dianat, O., Tordik, P. A. and Martinho, F. C. (2022). "Real-time 3-dimensional Dynamic Navigation System in Endodontic Microsurgery: A Cadaver Study." *J Endod* 48(7):922-929

Case Reports/Clinical Techniques:

Qin, W., Gao, J., Ma, S., Wang, Y., Li, D. M., Jiang, W. K., Chen, F., Tay, F. and Niu, L. N. (2022). "Multiple Cervical Root Resorption Involving 22 Teeth: A Case with Potential Genetic Predisposition." *J Endod* 48(12): 1526-1532.

Clinical Research:

Ideo, F., Niazi, S., Mezzena, S., Mannocci, F. and Cotti, E. (2022). "Prevalence of Apical Periodontitis in Patients with Autoimmune Diseases under Immunomodulators: A Retrospective Cohort Study." *J Endod* 48(6): 722-729.

Regenerative Endodontics:

Li, F. C., Shahin-Shamsabadi, A., Selvaganapathy, P. R. and Kishen, A. (2022). "Engineering a Novel Stem Cells from Apical Papilla-Macrophages Organoid for Regenerative Endodontics." *J Endod* 48(6): 741-748.

Systematic and Scoping Reviews:

Alghofaily, M. and Fouad, A. F. (2022). "Association of Chronic Systemic Medications with the Incidence, Prevalence, or Healing of Endodontic Disease: A Systematic Review." *J Endod* 48(12):1458-1467

Narrative Reviews:

Hussein, H. and Kishen, A. (2022). "Local immunomodulatory effects of intracanal medications in apical periodontitis." *J Endod* 48(4):430-456

Honorable Mentions:

Basic Research: Biology:

Li, F. C., Hussein, H., Magalhaes, M., Selvaganapathy, P. R. and Kishen, A. (2022). "Deciphering Stem Cell From Apical Papilla-Macrophage Choreography Using a Novel 3-dimensional Organoid System." J Endod 48(8):1063-1072.e7

Basic Research: Biology:

Singh, K., Ali, A., Shrestha, A., Magalhaes, M. and Kishen, A. (2022). "Assessing Macrophage Polarization in Nanoparticle-Guided Wound Repair Using a Lipopolysaccharide Contaminated Intraosseous Model." J Endod 48(1): 109-116.

Basic Research: Technology:

Del Carpio-Perochena, A., Nicholson, E., Singh, C. V., Camilleri, J. and Kishen, A. (2022). "Impact of Dentin Conditioning and Sealer Modification With Chitosan-Hydroxyapatite Nanocomplexes on the Antibacterial and Mechanical Characteristics of Root Dentin." J Endod 48(10):1319-1326

Basic Research: Technology:

Velardi, J. P., Alquria, T. A., Alfirdous, R. A., Griffin, I. L., Tordik, P. A. and Martinho, F. C. (2022). "Efficacy of GentleWave System and Passive Ultrasonic Irrigation with Minimally Invasive and Conventional Instrumentation Technique against Enterococcus faecalis Lipoteichoic Acid in Infected Root Canals." J Endod 48(6): 768-774.

Case Reports and Clinical Techniques:

Nakashima, M., Fukuyama, F. and Iohara, K. (2022). "Pulp Regenerative Cell Therapy for Mature Molars: A Report of 2 Cases." J Endod 48(10):1334-1340.e1

Cehreli, Z. C., Unverdi, G. E. and Ballikaya, E. (2022). "Deciduous Tooth Pulp Autotransplantation for the Regenerative Endodontic Treatment of Permanent Teeth With Pulp Necrosis: A Case Series." J Endod 48(5): 669-674.

Clinical Research:

Nosrat, A., Yu, P., Verma, P., Dianat, O., Wu, D. and Fouad, A. F. (2022). "Was the Coronavirus Disease 2019 Pandemic Associated with an Increased Rate of Cracked Teeth?" J Endod 48(10): 1241-1247.

Seet, R. F., Chan, P. Y., Khoo, S. T., Yu, V. S. H. and Lui, J. N. (2022). "Characteristics of Cracked Teeth with Reversible Pulpitis After Orthodontic Banding-A Prospective Cohort Study." J Endod 48(12): 1476-1485 e1471.

Regenerative Endodontics:

Fouad, A. F., Diogenes, A. R., Torabinejad, M. and Hargreaves, K. M. (2022). "Microbiome Changes during Regenerative Endodontic Treatment Using Different Methods of Disinfection." J Endod 48(10): 1273-1284.

Casey, S. M., Fox, D., Duong, W., Bui, N., Latifi, N., Ramesh, V., Podborits, E., Flake, N. M., Khan, A. A. and Gibbs, J. L. (2022). "Patient Centered Outcomes among a Cohort Receiving Regenerative Endodontic Procedures or Apexification Treatments." J Endod 48(3): 345-354.

Systematic and Scoping Reviews:

Azarpazhooh, A., Cardoso, E., Sgro, A., Elbarbary, M., Laghapour Lighvan, N., Badewy, R., Malkhassian, G., Jafarzadeh, H., Bakhtiar, H., Khazaei, S., Oren, A., Gerbig, M., He, H., Kishen, A. and Shah, P. S. (2022). "A Scoping Review of 4 Decades of Outcomes in Nonsurgical Root Canal Treatment, Nonsurgical Retreatment, and Apexification Studies-Part 1: Process and General Results." J Endod 48(1): 15-28.

Systematic and Scoping Reviews:

Rahul, M., Lokade, A., Tewari, N., Mathur, V., Agarwal, D., Goel, S., Keshari, P., Sharma, S. and Bansal, K. (2022). "Effect of intracanal scaffolds on the success outcomes of Regenerative Endodontic Therapy - A systematic review and meta-analysis." J Endod 49(2):110-128

Narrative Reviews:

Siqueira, J. F., Jr., Rocas, I. N., Hernandez, S. R., Brisson-Suarez, K., Baasch, A. C., Perez, A. R. and Alves, F. R. F. (2022). "Dens Invaginatus: Clinical Implications and Antimicrobial Endodontic Treatment Considerations." J Endod 48(2): 161-170.

Martins, J. N. R., Martins, R. F., Braz Fernandes, F. M. and Silva, E. (2022). "What Meaningful Information Are the Instruments Mechanical Testing Giving Us? A Comprehensive Review." J Endod 48(8): 985-1004.

11. We have experienced a consistent amount of advertisements that require revision or rejection due to unsubstantiated claims, to inappropriate reference to other companies, or a lack of professional appearance of the ad. As specified in our Policies and Procedures Manual, all ads must be approved by the Editor prior to publication. In the event of a suitable concern, the Editor forms a sub-committee consisting of EBC members and a past-president of the AAE who evaluate the submitted ad and make a determination. This occurred approximately 25 times in 2022, with most interactions occurring with 1-2 vendors.
12. In July 2019, the EBC started a monthly editorial highlighting selected articles from that issue of the journal. Our intent is to increase readership awareness of certain papers and to provide some insight into their potential impact. We have started an online vote to determine if our readers enjoy this feature. The survey is at the JOE online website (www.JEndodon.com). To date, 87% of the voters (N = 1,060) find the new editorial to be helpful.
13. In 2021, we developed a Digital JOE sub-committee consisting of the Editorial Board Committee Chair Dr. Ken Hargreaves, along with Drs. Anita Aminoshariae, Ariadne Letra, Kevin Kuo, Helen Meyer, Robert Roda and Frank Setzer. We interviewed three consultants and recommended hiring AMC (Association Management Consultants) for development of a digital strategic plan for the Journal. We later added digitally-savvy endodontists Derek Peek, Najia Usman and Carla Falcon to this subcommittee. We are in the final stage of this project, which is to assemble the strategic plan into the AAE strategic plan template, based on the strategic planning session held in February 2023. Previous phases include a research phase with a survey. Following approval of the strategic plan will be the implementation phase. We will present the plan in May in Chicago.
14. We wish to expand the use of funding for a statistician to also include an English editor for improving the occasional manuscript with potential for high impact in Endodontics, but grammatically challenged. This would be at no additional cost as we would use funds for the statistical consultant to expand services for editing.

We have developed a staggered set of three year terms for Associate Editors that can be renewed. The goal is to provide a solid corps of experienced editors that still provides an opportunity for periodic infusion of new leadership.