



Education Journals

Science education research journals publish articles that are clearly grounded in a theoretical framework and ask questions that support theory or extend/challenge theory.

College science teaching journals primarily focus on how to be a better teacher.

Health professions education journals focus on innovations and strategies connected to education in the health professions, and vary in their expectations of empirical research vs. anecdotal descriptions of teaching strategies, curricular innovations, etc.

Discipline-based education research journals (DBERs) are somewhere in the transition between science teaching to science education research journals. Consequently, they may or may not employ the rigors of social science research that top journals expect.

Science of learning journals are context-neutral journals, and instead focus on issues of teaching and learning more broadly.

Science Education Research Journals:

- [*Journal of Research in Science Teaching*](#) - investigations employing qualitative, ethnographic, historical, survey, philosophical, or case study research approaches; position papers; policy perspectives; critical reviews of the literature; and comments and criticism
- [*Science Education*](#) - issues and trends occurring internationally in science curriculum, instruction, learning, policy and preparation of science teachers with the aim to advance our knowledge of science education theory and practice
- [*Studies in Science Education*](#) - review articles of the highest quality which provide analytical syntheses of research into key topics and issues in science education
- [*International Journal of Science Education*](#) - a medium for the publication of definitive research findings. Special emphasis is placed on applicable research relevant to educational practice, guided by educational realities in systems, schools, colleges and universities
- [*Research in Science Education*](#) - Articles representing a range of qualitative, quantitative and mixed research methods are invited. The journal welcomes papers based on innovative methods. Scholarly reports of research, major review articles and position papers, comments and criticism on recently published papers in the journal or issues of general interest to science educators
- [*School Science and Mathematics*](#) - emphasizing research on issues, concerns, and lessons within and between the disciplines of science and mathematics in the classroom (k-16)
- [*The Electronic Journal of Science Education*](#) - manuscripts that report meaningful research, present research methodology, develop theory, and explore new perspectives

College Science Teaching Journals:

- [*Journal of College Science Teaching*](#) - reports and discusses innovative teaching materials, methods, and evaluative criteria; disseminate contributions toward improving college science instruction; and describes

work in disciplinary science courses that is broad enough in its approach to appeal to teachers in other scientific fields

- [*Journal on Excellence in College Science Teaching*](#) - provides a scholarly, written forum for discussion by faculty about all areas affecting teaching and learning, and gives faculty the opportunity to share proven, innovative pedagogies and thoughtful, inspirational insights about teaching

Health Professions Education Journals:

- [*Journal of Veterinary Medical Education*](#) - provides a forum for the exchange of ideas, research, and discoveries about veterinary medical education
- [*Journal of the American Veterinary Medical Association*](#) - reports of clinical research, feature articles and regular columns of interest to veterinarians in private and public practice
- [*Medical Teacher*](#) - accounts of new teaching methods, guidance on structuring courses and assessing achievement, and serves as a forum for communication between medical teachers and those involved in general education, research in medical education, case studies, survey articles, practical guidelines, reviews of current literature and book reviews
- [*Advances in Health Sciences Education*](#) - empirical studies as well as discussions of theoretical issues and practical implications. The primary focus of the Journal is linking theory to practice, thus priority will be given to papers that have a sound theoretical basis and strong methodology. The Journal will accept articles on topics such as admissions, problem-based and self-directed learning, faculty development, achievement testing, motivation, curriculum development, curricular comparisons, program evaluation, expertise development, clinical reasoning, continuing education, community-based education, and communication skills
- [*Academic Medicine*](#) - education and training issues; health and science policy; institutional policy, management, and values; research practice; and clinical practice in academic settings
- [*Medical Education*](#) - teaching methods, curriculum reform, the training of medical teachers, the selection of entrants and assessment techniques
- [*Teaching and Learning in Medicine*](#) (IF: 0.8) - state-of-the-art research on the purposes and processes of teaching and learning as they relate to the education of medical professionals. Its international scope acknowledges that there is a common challenge faced by all medical teachers--fostering the acquisition and maintenance of usable knowledge and skills in a broad, highly complex, and constantly changing clinical science--and that a common base of theory will contribute to meeting that challenge. The journal addresses practical issues and provides the analysis and empirical research needed to facilitate decision making about medical education by administrators, teachers, and learners
- [*Medical Science Educator*](#) - articles focus on teaching the sciences fundamental to modern medicine and health, and include basic science education, clinical teaching, and the use of modern education technologies. The Journal provides the readership a better understanding of teaching and learning techniques in order to advance medical science education
- [*International Journal of Medical Education*](#) - open-access journal aimed at promoting the nature and scope of the knowledge that is directly relevant to all domains of medical education and practice
- [*International Journal of Health Promotion and Education*](#) - international forum for sharing knowledge and experience on the basis of common interests in health education

Discipline-Based Education Research Journals:

- [*CBE Life Sciences Education*](#) - publishes original, previously unpublished, peer-reviewed articles on research and evaluation related to life sciences education, as well as articles about evidence-based biology instruction at all levels
- [*Anatomical Sciences Education*](#) - an international forum for the exchange of ideas, opinions, innovations and research on topics related to education in the anatomical sciences of gross anatomy, embryology, histology, and neurosciences at all levels of anatomical sciences education including, undergraduate, graduate, post-graduate, allied health, medical (both allopathic and osteopathic), and dental
- [*Advances in Physiology Education*](#) - publishes peer-reviewed descriptions of innovations that improve teaching in the classroom and laboratory, essays on education, and review articles based on our current understanding of physiological mechanisms
- [*The American Biology Teacher*](#) - articles relating to the content of biology, commentaries on the social and ethical implications of biology, biology teaching strategies appropriate to the classroom, laboratory and field sites, trends in biology teaching, and those that offer assistance in the professional development of biology and life science teachers
- [*Bioscene-Journal of College Biology Teaching*](#) - articles, innovations, perspectives, reviews, and information related to biology education
- [*Journal of Chemical Education*](#) - addresses chemical content, activities, laboratory experiments, instructional methods, and pedagogies.

Science of Learning Journals

- [*Instructional Science*](#) - nature, theory, and practice of learning and of environments in which learning occurs, emphasizing reports of original empirical research, the journal provides space for full and detailed reporting of major studies.
- [*Journal of the Learning Sciences*](#) - publishes research that elucidates processes of learning, and the ways in which technologies, instructional practices, and learning environments can be designed to support learning in different contexts

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