

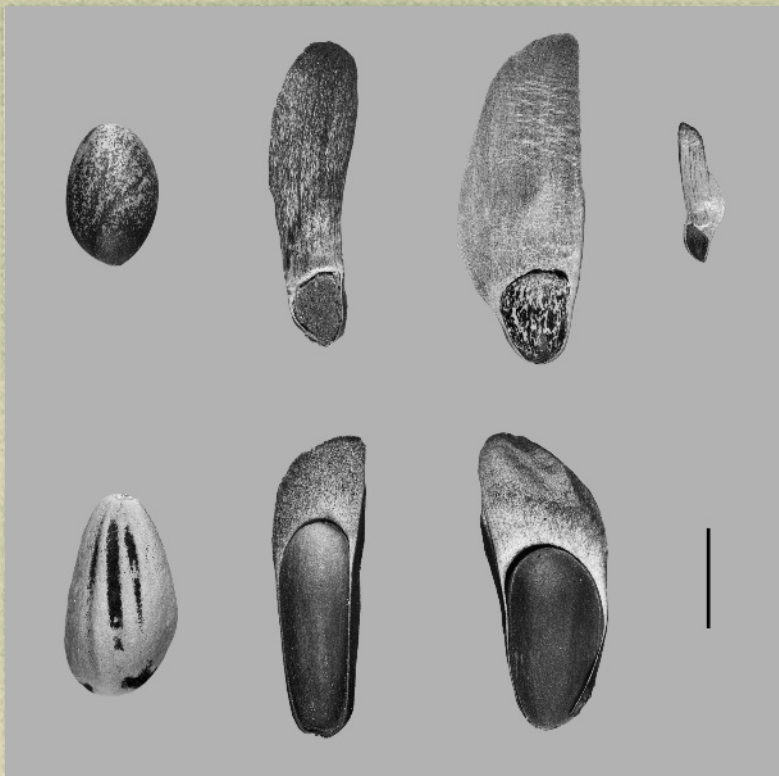
Seed Technology

An International Journal Serving Seed Scientists and Technologists

Volume 33

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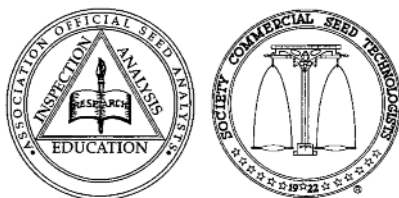
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Seed Technology

THIS JOURNAL is co-sponsored by the two predominant organizations in North America with a direct interest in seed technology: the Association of Official Seed Analysts and the Society of Commercial Seed Technologists.

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AIMS AND SCOPE – *Seed Technology* is an international journal containing scientific and technological papers in all areas of Seed Science and Technology. The emphasis is on applied and basic research in seed physiology, pathology and biology that may relate to seed development, maturation, germination, dormancy and deterioration. Studies on seed production, sampling, testing, conditioning, distribution and storage are also included. Short communications from seed analysts and technologists are encouraged and will be published as Seed Tech Notes. These notes include new techniques, standardization of laboratory tests and documentation of anatomical and pathological observations of seed and seedling development. The journal also includes timely review articles of seed technology that may relate directly to the seed industry.

TYPES OF PAPERS – Original research papers, review articles and Seed Tech Notes are reviewed for publication. Manuscripts should be typed, double spaced and sent to the Editor electronically as a Word or WordPerfect document. Potential authors should note that there are no page charges and reprints can be ordered directly from the printer at a minimal fee. Refer to the last pages of this volume for Instructions to Authors for manuscript and Seed Tech Note submissions.

SUBSCRIPTIONS – *Seed Technology* is published one to two times annually. The annual subscription price for individuals is \$75.00 in North America and \$85.00 outside of North America; university and library annual subscriptions are \$125.00 in North America and \$135.00 outside of North America. All subscription prices are in US dollars and include postage. Subscriptions should be sent direct or through a bookseller to: Anita Hall, Executive Director, Society of Commercial Seed Technologists, Inc., 101 East State St., #214, Ithaca, NY 14850, USA, www.seedtechnology.net.

EDITORIAL

WE ARE PLEASED TO ASSUME THE EDITORSHIP of Seed Technology and look forward to carrying on the tradition of past editors. In recent years, Drs. Dennis TeKrony and Cindy Finneseth worked diligently to produce a quality publication with a broad scope and readership, especially among the international seed community. We remain committed to these goals and to providing a medium for the publication of original and relevant information to seed scientists, technologists and analysts.

We continue to publish two issues of the journal on a regular annual schedule. This issue of Seed Technology contains seven full manuscripts, three Seed Tech Notes and five abstracts from oral and poster presentations. Topics range from evaluation of seed physical and biochemical diversity, vigor assessment and cultivar classification, to effects of carbon nanotubes and electromagnetic fields on germination. The diversity of the subject matter is matched by the diversity of contributing authors, from various countries in Africa, the Americas, Asia, Europe and Oceania. We continue to print abstracts in additional languages, and authors can submit an abstract in their native language supplemental to the English abstract.

We would like to express our gratitude to the many associate editors and peer reviewers. Their thorough and professional reviews are essential for maintaining the high quality of this publication. A special thank you to our typesetter, Mr. Charles Chandler, for his professional, diligent and meticulous work, and his steadfast support with all technical aspects related to the production process. The Journal Committee deserves special recognition for its role in modernizing the journal by shifting to an online submissions process and exploring ways of incorporating journal articles into scientific databases. The Journal Committee has also played a key role in promoting the journal to readers, authors and sponsors around the world. Finally, we appreciate the sponsorship and continued financial support provided by the Association of Official Seed Analysts and the Society of Commercial Seed Technologists. Their support has made it possible for us to increase the number of published articles and to reach a wider readership.

Riad Baalbaki
Editor

Susan Alvarez
Assistant Editor

COVER ILLUSTRATION: An example of seed diversity among different *Pinus* (Pinaceae) species. Clockwise from top left: *P. monophylla* Torr. & Frém. (single-leaf pinyon); *P. radiata* D. Don (Monterey pine); *P. jeffreyi* Balf. (Jeffrey pine); *P. contorta* Douglas ex Loudon (lodgepole pine); *P. torreyana* ssp. *insularis* J.R. Haller (island Torrey pine); *P. sabiniana* Douglas (foothill pine); *P. pinea* L. (Italian stone pine). Scale line = 1 cm. Photo credit: Riad Baalbaki, California Department of Food and Agriculture.

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