

# Ultrasound

*in medicine and biology*

The official Journal of the **World Federation for Ultrasound in Medicine and Biology**

---

## **Executive Bureau**

**President:** M. Cristina Chammas, MD, *Brazil*

**President-Elect:** Jacques Abramowicz, MD, *USA*

**Vice-President I:** George Condous, MD, *Australia*

**Vice-President II:** Leandro Fernandez, MD, *Venezuela*

**Secretary:** Sudhir Vinayak, MD, *Kenya*

**Treasurer:** Paul Sidhu, MD, *UK*

**Immediate Past President:** Seung Hyup Kim, MD, *South Korea*

## **Administrative Councilors:**

Won Jae Lee, MD, PhD, *South Korea*

Ximena Wortsman, MD, *Chile*

Karen Mizia, MD, *Australia*

Adrian Saftoiu, MD, PhD, *Romania*

Wiem Douira, MD, *Tunisia*

Antonio Carlos Mattenoni De Athayde, MD, *Brazil*

## **Co-Opted Councilors:**

Iwaki Akiyama, PhD, *Japan*

Susuan C. Westerway, PhD, *Australia*

Iona Sporea, MD, PhD, *Romania*

## **Ultrasound in Medicine and Biology Journal Editor:**

Paul S. Sidhu, MD, *UK*

---

**For Advertising Orders & Inquiries:** North & South America: John Marmero, Jr., Elsevier Inc., 230 Park Avenue, Suite 800, New York, NY 10169. Tel: (212) 633-3657; Fax: (212) 633-3820; E-mail: [j.marmero@elsevier.com](mailto:j.marmero@elsevier.com).

**International:** Advertising Department Elsevier Inc., The Boulevard, Langford Lane, Kidlington, Oxford, OX5 1GB, United Kingdom, Tel: (44) (0) 1865 843565; Fax (44) (0) 1865 843976; E-mail: [media@elsevier.co.uk](mailto:media@elsevier.co.uk) **Japan:** Advertising Department

Elsevier Inc. Japan Tel: (81) (3) 5561 5033; Fax: (81) (3) 5561 5047.

**Published 12 per Annum.** Annual Institutional Subscription Rate (2021): Domestic Individual price: USD \$544; International Individual price: \$576. Prices include postage and are subject to change without notice. Members of the World Federation for Ultrasound in Medicine and Biology may order personal subscriptions at a concessional rate; details of these rates are available upon request.

**Orders, claims, and journal enquiries:** Please visit our Support Hub page <https://service.elsevier.com> for assistance.

**Reprints.** For copies of 100 or more, of articles in this publication, please contact the Commercial Reprints Department, Elsevier Inc., 230 Park Avenue, Suite 800, New York, NY 10169. Tel: (212) 633-3813; Fax: (212) 633-3820; email: [reprints@elsevier.com](mailto:reprints@elsevier.com).