

# Table of Contents

## International Journal of Privacy and Health Information Management

Volume 8 • Issue 1 • January-June-2020 • ISSN: 2155-5621 • eISSN: 2155-563X

### Research Articles

- 1      **Modeling Human Physiology Coupled With Hyperbaric Plant Simulation for Oil and Gas**  
Agostino Bruzzone, University of Genoa, Italy  
Matteo Agresta, University of Genoa, Italy  
Kirill Sinelshchikov, University of Genoa, Italy
- 13     **Big Data and Big Data Analytics for Improved Healthcare Service and Management**  
Pijush Kanti Dutta Pramanik, National Institute of Technology, Durgapur, India  
Saurabh Pal, Bengal Institute of Technology, Kolkata, India  
Moutan Mukhopadhyay, Bengal Institute of Technology, Kolkata, India
- 52     **Comparing the Perception of Privacy for Medical Devices and Devices With Medical Functionality**  
Florian Kaiser, Karlsruhe Institute of Technology, Germany  
Marcus Wiens, Karlsruhe Institute of Technology, Germany  
Frank Schultmann, Karlsruhe Institute of Technology, Germany
- 70     **Image-Based PSi Signal Acquisition From a Patient Monitor During a Medical Procedure**  
Gorazd Karer, Faculty of Electrical Engineering, University of Ljubljana, Slovenia
- 88     **Ontological Approach to Holistic Healthcare Systems Simulation**  
Ignace Djitog, American University of Nigeria, Yola, Nigeria  
Muhammadou M.O. Kah, University of Johannesburg, South Africa

### COPYRIGHT

The **International Journal of Privacy and Health Information Management (IJPHIM)** (ISSN 2155-5621; eISSN 2155-563X), Copyright © 2020 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The *International Journal of Privacy and Health Information Management* is indexed or listed in the following: Bacon's Media Directory; Cabell's Directories; Google Scholar; INSPEC; MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory