

Multidisciplinary Engineering

Thermo Dynamics

Industrial Engineering

Journal of Engineering and Thermal Sciences



Editor in Chief

Hamdy M. Youssef Alexandria University, (Egypt) youssef2005@alexu.edu.eg

Assistant Editor

Alaa A. El-Bary Arab Academy for Science, (Egypt) aaelbary@aast.edu

Editorial Board

Igor V. Andrianov RWTH Aachen University, (Germany) igor.andrianov@gmail.com
Moncef Aouadi Université de Carthage, (Tunisia) moncefaouadi00@gmail.com
Yi-Shyong Ing Tamkang University, (Taiwan) ysing@mail.tku.edu.tw
Mridula Kanoria Sister Nivedita University, (India) k_mri@yahoo.com
S. A. Mohan Krishna Vidyavardhaka College of Engineering, (India) mohankrishnasa@vvce.ac.in
Khaled Lotfy Zagazig University, (Egypt) khlotfy_1@yahoo.com
Sergey Lurie Lomonosov Moscow state University and Moscow Aviation
institute, (Russia) salurie@mail.ru
Marin Marin Transilvania University of Brasov, (Romania) m.marin@unitbv.ro
Mohamed I. A. Othman Zagazig University, (Egypt) m_i_a_othman@yahoo.com
Yuriy Tokovyy National Academy of Sciences of Ukraine, (Ukraine) tokovyy@gmail.com
Francesco Tornabene University of Bologna, (Italy) francesco.tornabene@unibo.it
Yue-Sheng Wang Tianjin University, (China) yswang@tju.edu.cn
Xiao-Jun Yang China University of Mining and Technology, (China) xjyang@cumt.edu.cn

JETS Journal of Engineering and Thermal Sciences

Aims and Scope

JETS publishes high-quality articles concerned with fundamental and applied aspects of thermal science and engineering. The journal is not limited to a specific aspect of thermal science and engineering science but is instead devoted to a wide range of subfields in the applied mathematics, material science modeling, theoretical and industrial applications of thermal science, mechanics of solids and structures, life sciences, physics, and experimental research. Moreover, articles of interdisciplinary nature and review articles are welcome.

All published papers are peer reviewed and crosschecked by plagiarism detection tools.

More information is available online <https://www.extrica.com/journal/jets>

The journal material is referred:

Scilit: <https://www.scilit.net>

Dimensions: <https://www.dimensions.ai>

Google Scholar: <https://scholar.google.com>

WanFang Data: <https://www.wanfangdata.com.cn>

JGate: <https://jgateplus.com>

CORE: <https://core.ac.uk>

TDNet: <https://www.tdnet.io>

CiteFactor: <https://www.citefactor.org>

WorldCat Discovery Services: <https://www.oclc.org/en/worldcat-discovery.html>

MyScienceWork: <https://www.mysciencework.com>

Crossref: <https://search.crossref.org>

Content is archived in **Martynas Mazvydas National Library of Lithuania**

Internet: <https://www.extrica.com>

E-mail: publish@extrica.com

Publisher: JVE International Ltd., Geliu ratas 15A, LT-50282, Kaunas, Lithuania

JETS Journal of Engineering and Thermal Sciences

JUNE 2023, VOLUME 3, ISSUE 1, PAGES (1-24), ISSN ONLINE 2669-2465

Contents

WAVE PROPAGATION IN DIFFERENT THEORIES OF FRACTIONAL THERMOELASTICITY BALJEET SINGH	1
INFLUENCE OF THE FRACTIONAL-ORDER STRAIN ON AN INFINITE MATERIAL WITH A SPHERICAL CAVITY UNDER GREEN-NAGHDI HYPERBOLIC TWO-TEMPERATURE THERMOELASTICITY THEORY HAMDY M. YOUSSEF, ABDULRAHMAN A. ALGHAMDI	11

SHORT DESCRIPTION ABOUT THIS CATEGORY

Fundamental and applied aspects of thermal science and engineering. The journal is not limited to a specific aspect of thermal science and engineering science but is instead devoted to a wide range of subfields in the applied mathematics, material science modeling, theoretical and industrial applications of thermal science, mechanics of solids and structures, biomechanics, fluid mechanics, heat and mass transfer, heat and energy transfer, physics, and experimental research.

