



# JOURNAL OF GEOSCIENCE, ENGINEERING, ENVIRONMENT AND TECHNOLOGY

---

Special Edition Volume 4. No 2-2. June 2019. p 1-59

---

ISSN (print) : 2503-216x  
ISSN (online): 2541-5794

UIR PRESS

**(Journal of Geoscience, Engineering, Environment, and Technology)**

**Publish periodically four times annually**

Our journal has accredited as a scientific journal (S2) by The Ministry of Research, Technology, and Higher Education No 30./E/KPT/2018 Period : 2017 - 2021

**Scope of Journal**

Paper covering the following aspects of Geology, Earth and Planetary Science, Engineering, Environment, and Technology

**Address of Secretariat and Paper Submitting**

Jl. Kaharuddin Nasution No 113 Marpoyan Damai  
Pekanbaru, Riau 28284 Phone.(0761) 72126 , Fax. 0761-674834  
e-mail: [jgeet@journal.uir.ac.id](mailto:jgeet@journal.uir.ac.id); web: <http://journal.uir.ac.id/index.php/JGEET>

**EXECUTIVE EDITORIAL ADVISOR**

Prof. Josaphat Tetuko Sri Sumantyo, Ph.D (Japan)  
Prof. Mega F. Rosana, Ph.D (Indonesia)  
Prof. Dr. Abdul Rahim Samsudin (Malaysia)  
Prof. Dr. Sabah A. Ismail (Iraq)

**EDITOR IN CHIEF**

Dr. Eng. Husnul Kausarian B.Sc.(Hons), M.Sc. (Indonesia)

**JOURNAL MANAGER**

Catur Cahyaningsih B.Sc (Hons) M.Sc.(Indonesia)  
Tiggi Choanji S.T, M.T (Indonesia)

**EDITORIAL MEMBER**

Dr. Kurnia Hastuti (Indonesia)  
Dr. Evizal Abdul Kadir S.T., M.Eng (Indonesia)  
Dr. Eng. Takahiro Miyazaki (Japan)  
Dr. Mursyidah, M.Sc. (Indonesia)  
Dr. Sapari Dwi Hadian MT (Indonesia)  
Dr. Emi Sukiyah ST., MT (Indonesia)  
Bambang Setiadi Ph.D (Indonesia)  
Dr. Vijaya Isnaniawardhani (Indonesia)  
Dr. Anas Puri S.T, M.T (Indonesia)  
Mirza Muhammad Waqar, M.Sc (Pakistan)  
Good Fried Panggabean, S.T, M.T (Indonesia)  
Dr. Eng. Muslim, M.T (Indonesia)  
Yuta Izumi M.Eng (Japan)  
Kageaki Inoue, M.Eng (Japan)  
Dewandra Bagus EP., B.Sc (Hons) M.Sc. (Indonesia)  
Adi Suryadi B.Sc. (Hons) M.Sc. (Indonesia)  
Yuta Izumi, M.Eng (Japan)  
Yuniarti Yuskar S.T, M.T (Indonesia)  
Muhammad Zainuddin Lubis S.Ik M.Si (Indonesia)  
Pakhrur Razi, S.Si, M.Si (Indonesia)  
Babag Purbantoro, S.T, M.T (Indonesia)  
Budi Prayitno S.T, M.T (Indonesia)  
Joko Widodo, S.Si, M.Si (Indonesia)  
Eunice Wanjiku Nduati M.Agr (Kenya)

# **PREFACE**

Welcome to the Journal of Geoscience, Engineering, Environment and Technology (JGEET). JGEET is a peer reviewed, open access and online journal in English for the enhancement of research in various areas of science and engineering. The aim of the JGEET is to give a highly readable and valuable addition to the literature which will serve as an indispensable reference tool for years to come Now, we're publishing Special volume 04 No 02-2 2019.

We are pleased the scientist and researcher to publish in this journal. This journal discussed the topic related to the areas of geoscience, engineering, environment, and technology.

As the Editor-in-Chief of the JGEET, I take this opportunity to express my sincere gratitude to authors who have chosen JGEET to disseminate their research. Further, I would like to thank executive editorial advisor, journal manager, editorial member and other supporting staff for the success of this Journal.

We are more than happy to receive contributions for our next issue from academicians, researchers, scholars and practitioners to ensure the consistency and the success of the Journal.

Thank you very much.

Editor-in-Chief

# LIST OF CONTENT

<b>Geology, Geomorphology and Tectonics of India: Introduction .....</b>	<b>1</b>
<b>Geochemistry and tectonic setting of the supracrustal rocks from the central part of the Bundelkhand craton, India .....</b>	<b>3</b>
<b>Neoproterozoic crustal shear zones and implications of shear indicators in tectonic evolution of Bundelkhand craton, central India.....</b>	<b>11</b>
<b>Geometric and strain analyses in folds of the area around Gankot, district Pithoragarh, Uttarakhand, India .....</b>	<b>19</b>
<b>Geochemistry and geodynamic setting of Paleoproterozoic granites of Lesser Garhwal Himalaya, India .....</b>	<b>28</b>
<b>Geology and Mineral Potential of Copper-Silver mineralization in Kulu district of Himachal Pradesh, India.....</b>	<b>39</b>
<b>New observations of Tin Mineralization Potential Vis-à-Vis Ore Petrographic, Alteration and Geochemistry in the Southeastern part of Bastar Craton, Central India.....</b>	<b>43</b>
<b>Geology of South and Southwest part of Uttar Pradesh and its Mineral Significance .....</b>	<b>51</b>