

EDITORIAL

Journal of the Geological Society of Sri Lanka (JGSSL) is a peer-reviewed and open access journal, aiming to publish the most topical and highest quality papers, summarizing the results of recent research across all sub-disciplines of the Earth Science. Papers are frequently interdisciplinary covering both pure and applied fields of Geology. Contributions often refer to local, regional and/or international studies and emphasize the development of the understanding of fundamental geological processes. Volume 21 – Issue 1 accommodates five full research papers in various sub-disciplines of Earth Sciences.

The first article **“Remarkable petrographic features of Sri Lankan granulites; with special regard to unexpected occurrence of “felsite-nanogranite inclusions” in garnet”** by Yoshikuni Hiroi provides a detailed interpretation on fine spherulitic intergrowths of quartz and feldspar in felsite inclusions in garnet of representative granulite-facies rocks from northern, central and southeastern parts of the Highland Complex (HC), Sri Lanka. This is the article based on Ananda Coomaraswamy Memorial Oration in 2018.

The second article by Bandara et al. titled **“Determination of the regional and residual gravity anomalies to reconstruct basin structures of the Cauvery Basin”** maps the structural elements and architecture of the Cauvery Basin using gravity anomalies.

The third article **“Burial and thermal history of the Cauvery Basin, Sri Lanka: a basin modeling approach”** by Premarathne explains the burial and thermal history of the Sri Lankan sector of the Cauvery Basin based on basin modeling techniques.

A case study on **“Economic appraisal of iron ore deposit in Buttala, Sri Lanka: preliminary mineral and chemical evidences”** by Manjula et al. discusses the economic potential of magnetite and hematite containing high-grade iron ore deposit in Buttala, Sri Lanka.

The fifth article by Kuruppu et al. titled **“Radioactivity survey on Godakawela gem field in Sri Lanka; to identify the origin of the unknown radioactive mineral”** discusses the radioactive minerals, their distribution and the origin of the gem deposit.

Thus, the contributions in the current volume of the Journal of the Geological Society of Sri Lanka will allow the readers to be acquainted with recent cutting-edge research in Geology.

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