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Editors-in-Chief:

- **Prof. DSc. Oleksandr Trofymchuk, National Academy of Sciences of Ukraine, UKRAINE**
- **Prof. Dr. hab. oec. Baiba Rivza, Latvian Academy of Sciences, LATVIA**

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FOREWORD

The International Multidisciplinary Scientific GeoConference SGEM is focused on AGENDA 2030 Goals - GLOBAL WARMING, CLIMATE CHANGE, CO₂ REDUCTION, BIODIVERSITY, AND GREEN TECHNOLOGIES FOR A SUSTAINABLE FUTURE.

In an ever-evolving world, amidst the vast expanse of the universe, Earth remains our singular home — a beacon of life, mystery, and endless curiosity. It is with immense pride and anticipation that we present the **2023 Conference Proceedings in Earth and Planetary Science, a collective endeavor of minds passionate about our world and the celestial wonders beyond.**

The beauty of science, particularly in the realm of geosciences, lies in its ability to unite us. It transcends borders, politics, and cultural divides, binding us together in pursuit of knowledge, understanding, and enlightenment. This year, our focus aligns with the noble aspirations of Agenda 2030, reminding us that our planet's health and sustainability are integral to our shared future. Every paper within these pages stands as a testament to our collective commitment to that goal.

Moreover, this conference encapsulates the harmonious dance between the Earth as a place we live in and to care for, and the Planet, with its place in the Universe - different but intertwined, sharing the primary goal of interpreting, understanding and celebrating the Universe and our place in it. Like an artist who captures the majesty of a mountain range or the vastness of space, our researchers, too, paint with data, hypotheses, and discoveries, sketching a future where knowledge drives progress.

In a world where discord often grabs headlines, this gathering underscores that there exist realms untouched by strife, where camaraderie and cooperation reign supreme. This is the world of geosciences: a haven for curious minds, a frontier for explorers, a canvas for dreamers.

As you delve into these meticulously peer-reviewed articles, let them not only inform you but inspire you. Let them remind you of the magic that happens when diverse minds converge for a singular purpose. **And let them serve as a beacon of hope, signaling a future where science, with its inherent artistry, continues to light our way.**

**In anticipation of the better future and optimism,
Sincerely yours,**

Prof. DSc. Oleksandr Trofymchuk
Editor-in-Chief of XXIII SGEM GeoConference Proceedings
National Academy of Sciences of Ukraine, UKRAINE

Prof. Dr. hab. oec. Baiba Rivza
Editor-in-Chief of XXIII SGEM GeoConference Proceedings
Member of the Presidium of the Latvian Academy of Sciences, LATVIA
President of the Latvian Academy of Agricultural and Forestry Sciences
Vice-chair of the Latvian Council of Higher education
President of Latvian universities professors' association
Expert from the European Academy of Sciences Academic Advisory Board (EASAC)

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