

Foreword

.....

This Special issue of *ScienceAsia* has been compiled to celebrate the 50th Anniversary of *ScienceAsia* and the former *Journal of the Science Society of Thailand (JSST)*. To make this issue truly special, distinguished corresponding authors – both Thai and international – have been specially invited. These contributors include eminent scientists who have been recognized with prestigious awards including the Outstanding Scientist of Thailand, the Outstanding National Researcher of Thailand, the FAOBMB Research Excellence Awardee, as well as globally acknowledged highly cited researchers. Furthermore, experts with distinguished achievements in various fields, who currently serve as members of the Editorial Board or as Editors of this journal, have also been invited to contribute to this commemorative issue. We are grateful to all the authors who have participated in this Special issue, which comprises 2 Editorials, 11 Review articles, and 2 Research articles. Fields of the articles span from Biological Sciences – including Biotechnology and Molecular Biology – to Biomedical Sciences, Chemistry and Material Sciences, and Physical Sciences and Mathematics.

Grateful acknowledgement is made to all prominent reviewers for their professional assistance. Our appreciation also extends to the journal Advisory Committee for the valuable advice in shaping the issue. Last but not least, *ScienceAsia* would like to thank our partner, the National Research Council of Thailand, for providing support for publication. We sincerely hope that this Special issue will be of interest to the scientific community and beneficial to researchers in various specific fields, both in Thailand and abroad.

Piamsook Pongsawasdi

Editor-in-Chief, *ScienceAsia*

May 31, 2025.

*** Editorial Team of this Special issue

Editor-in-Chief

Piamsook Pongsawasdi

Editors

Sopit Wongkham

Aran Incharoensakdi

Tavan Janvilisri

Supa Hannongbua

Paisan Nakmahachalasint

Khamrom Mekchay