

# Annual Report 2022 of Current Applied Science and Technology

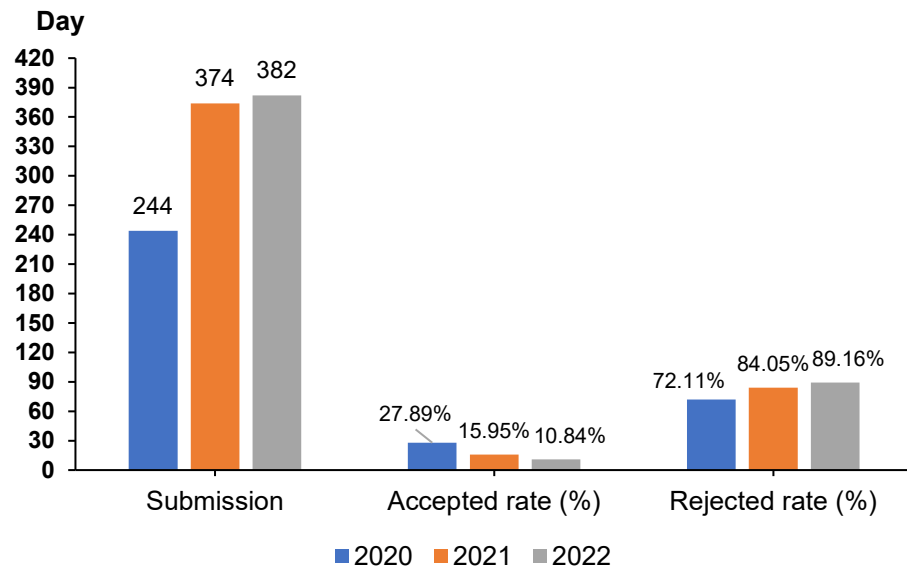
DOI: 10.55003/cast.2023.02.23.016

**Editor-in-Chief:** Assoc. Prof. Dr. Dusanee Thanaboripat

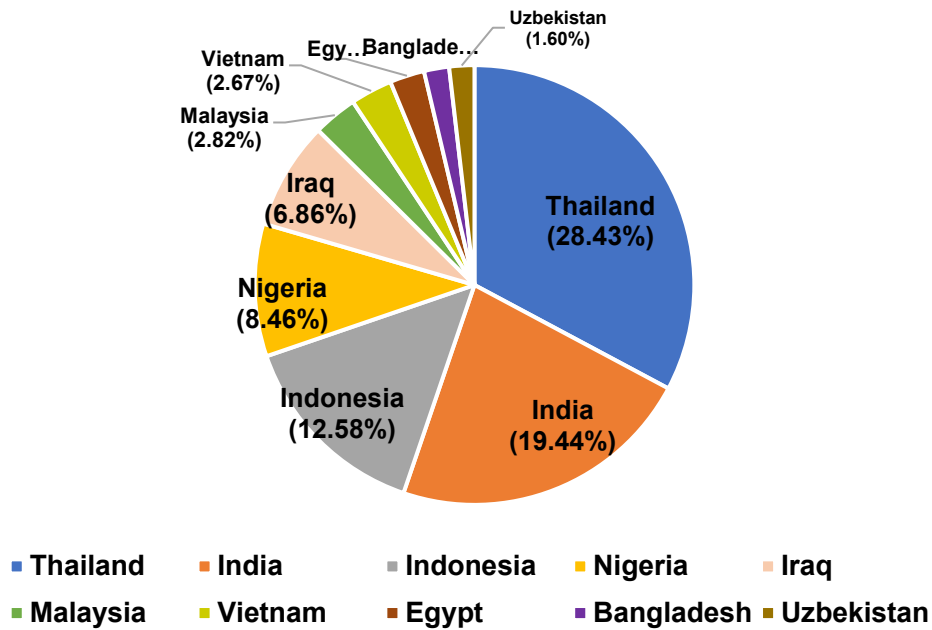
King Mongkut's Institute of Technology Ladkrabang (KMITL) has published Current Applied Science and Technology journal, formerly KMITL Science and Technology Journal, since its inception as KMITL Science Journal in 2001. The title of journal has been changed to Current Applied Science and Technology and printed online only since July 2017 (volume 17 issue 2). The journal is an open access peer-reviewed and double blinded journal which publishes online original academic research and review articles in the fields related to applied science and technology. Current Applied Science and Technology journal was submitted to Scopus database on 3 December 2018 via TCI-TRF-Scopus Collaboration Project. The journal was accepted and indexed in Scopus on 14 January 2019. The journal is currently under the responsibility of the Office of Academic Journal Administration, President's Office, KMITL, Thailand. Current Applied Science and Technology journal, indexed in TCI Tier 1, ACI and Scopus, provides a service called Advanced Online Publication (AOP) or Online First Publication, which is beneficial to both the authors and the readers of our journal. There is no page charge for submission. All articles can be freely downloaded from the journal website: <https://li01.tci-thaijo.org/index.php/cast>.

## Articles published in 2022

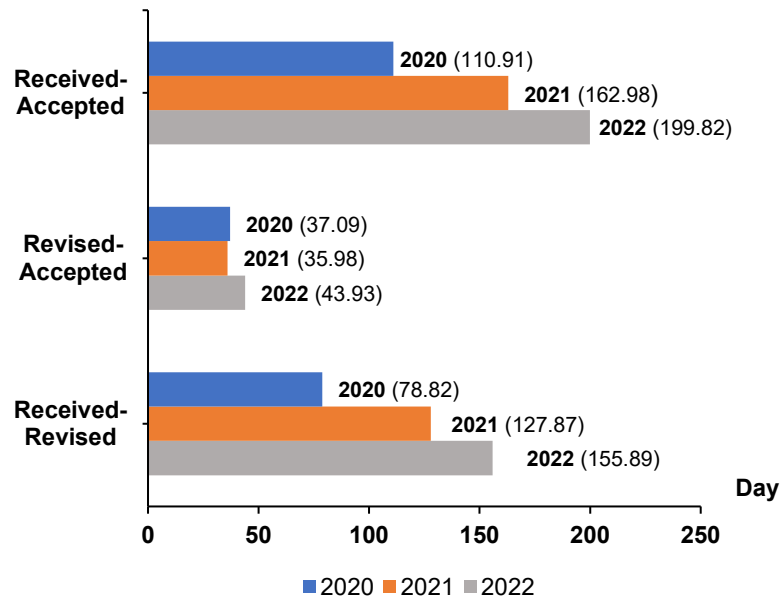
In the year 2022, the journal published 90 articles in Vol. 22 Nos. 1-6. There are 9 articles from KMITL, 31 articles from outside KMITL and 50 articles from overseas. Comparison of manuscripts submitted for publication in 2019, 2020 and 2021 are shown in Figure 1. The number of manuscripts submitted increased from 244 in the year 2020 to 374 and 382 articles in the year 2021 and 2022, respectively while the acceptance rates in 2020-2022 are 27.89%, 15.95% and 10.84%. The top ten countries of authors submitting manuscripts to be published in the journal in 2022 are shown in Figure 2, where Thailand (28.43%), India (19.44%) and Indonesia (12.58%) are among the top three countries. Figure 3 shows the average duration process for publication during 2020-2022. The average duration processes from received to accepted dates are 110.91, 162.98 and 199.82 days in 2020, 2021, 2022, respectively. Due to the change of the submission system in 2021 and 2022, average duration process was much longer than in 2020. The subject area and category of published articles in 2022 according to SJR are in 3 categories: 1) Agricultural and Biological Sciences (Agricultural and Biological Sciences (miscellaneous) and Agronomy and Crop Science), 2) Biochemistry, Genetics and Molecular Biology (Biotechnology) and 3) Environmental Science (Environmental Engineering). Scopus cite score and SCImago journal rank of the journal in 2020-2022 are shown in Figure 4. The cite score increased from 0.3 in 2020 to 1.1 in 2022 (last update on 6 Dec 2020). However, SCImago journal rank in 2022 has not been reported yet. In addition, the most cited article in Scopus is "Chicken Feathers Based Keratin Extraction Process Data Analysis Using Response Surface-Box-Behnken Design Method and Characterization of Keratin product" published in 2020 followed by "Characterization, Functionality and Antioxidant Activity of Water-Soluble Proteins Extracted from *Bombyx Mori* Linn." published in 2018 and "Antimicrobial Activity of Edible Electrospun Chitosan/Cellulose Acetate/Gelatin Hybrid Nanofiber Mats incorporating Eugenol" published in 2019. The most cited article in TCI is "Antibacterial Activity of Crude Ethanolic Extracts and Essential Oils of Spices Against Salmonellae and Other Enterobacteria" published in 2005 followed by "Preparation of Red Yeast Rice Using Various Thai Glutinous and *Monascus purpureus* CMU001 Isolated from Commercial Chinese Red Yeast Rice Sample" published in 2007 and "Importance of Aflatoxins" published in 2002.



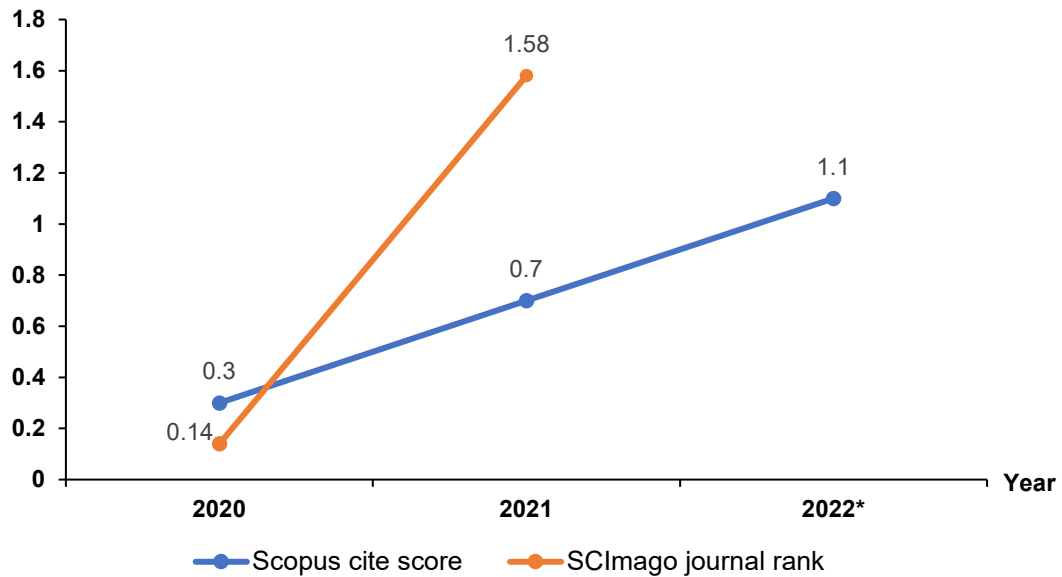
**Figure 1.** Comparison between numbers of manuscripts submitted in 2020-2022



**Figure 2.** Top 10 countries of authors who submitted manuscripts for publication in 2022



**Figure 3.** Comparison of average duration process of articles published in 2020-2022



**Figure 4.** Scopus cite score and SCImago journal rank in 2019-2021 (updated on 5 January 2022)

## Acknowledgements

Sponsorship of KMITL and the support for the development of CAST from TCI-TRF-Scopus Project led by Prof. Dr. Narongrit Sombatsompop, Head of Thai-Citation Index Centre (TCI) and his team are very much appreciated. We are also grateful to the advisory board as well as the editorial board as listed below.

### **Advisors:**

Assoc. Prof. Dr. Komsan Maleesee, President of King Mongkut's Institute of Technology Ladkrabang, Thailand; Prof. Dr. Wanlop Surakamponon, College of Advanced Manufacturing Innovation, King Mongkut's Institute of Technology Ladkrabang, Thailand; Prof. Dr. Monai Krairiksh, King Mongkut's Institute of Technology Ladkrabang, Thailand

### **Editorial board:**

#### *Other countries*

Prof. Dr. Bjorn Kristiansen, GlycaNova, Norway; Prof. Dr. Chalicheemalapalli K. Jayasankar, Sri Venkateswara University, India; Prof. Dr. Hidenori Mimura, Shizuoka University, Japan; Prof. Dr. Keiichi Ishihara, Kyoto University, Japan;; Prof. Dr. Minoru Tanaka, Tokai University, Japan; Prof. Dr. Mohamed Yacout, Alexandria University, Egypt; Prof. Dr. Rajeev Bhat, Estonian University of Life Sciences, Estonia; Prof. Dr. Qian Yang, Harbin Institute of Technology, PR. China; Prof. Dr. Serge Bellonck, Institut Armand- Frappier, Canada; Prof. Dr. Wenbiao Hu, Queensland University of Technology, Australia; Prof. Dr. Yawen He, Shanghai Jiao Tong University, PR China, Assoc. Prof. Dr. Mariusz Lewandowski, Warsaw University of Life Science, Poland

#### *Other Institute in Thailand*

Prof. Dr. Arinthip Thamchaipenet, Kasetsart University; Prof. Dr. I-Ming Tang, King Mongkut's University of Technology Thonburi; Prof. Dr. Krisana Kraisintu, Krisana Kraisintu Foundation; Prof. Dr. Rattikorn Yimnirun, Vidyasirimedhi Institute of Science and Technology; Prof. Dr. Somboon Tanasupawat, Chulalongkorn University; Prof. Dr. Soottawat Benjakul, Prince of Songkla University

#### *KMITL*

Assoc. Prof. Dr. Anuwat Jangwanitlert; Assoc. Prof. Dr. Chamroon Laosinwattana; Assoc. Prof. Dr. Chanboon Sathitwiriawong; Assoc. Prof. Dr. Puntani Pongsumpun; Assoc. Prof. Dr. Wisanu Pecharapa

In addition, we would also like to thank Prof. Dr. John E. Smith, Associate Prof. Dr. Ang Yew Hock, Prof. Dr. M. Doi, Prof. Dr. Keith D. Bartle, Dr. Brian J.B. Wood and Dr. Mike Matthey, previous editorial board members for their valuable contribution to the journal. Thanks to Prof. Dr. Suchatvee Suwansawat, the former President of King Mongkut's Institute of Technology Ladkrabang for his support. Finally, thanks to the managerial staff members (Kamronwit Thipmanee, Sitthipong Nalinanon, Suriyan Supapavanich, Suwannee Junyapoon, Tanimnun Jeanaksorn, Pornchai Supnithi, Jaruwat Charoensuk, Warangkhan Kimpan, Panpailin Seeharaj, Cherdasak Maneeruttanarungroj, Sujitra Sukhonthamut, Kanjana Saetiew, Mayura Soonwera, Vorapat Sanguanchaipaiwong, Mark Hoolahan and secretarial team (Jermaroon Authaijamsripon, Mongkutkarn Udompongsuk and Tanaboon Techasena) for their helpful assistance.