

Annual Report 2020 of Current Applied Science and Technology

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

Current Applied Science and Technology (CAST) journal, formerly KMITL Science and Technology Journal, has been published by King Mongkut's Institute of Technology Ladkrabang (KMITL) since its inception as KMITL Science Journal in 2001. In 2010 the journal was published in both print and electronic forms starting from volume 10. Since July 2017 the journal title has been changed to Current Applied Science and Technology and printed online only. In 2018 CAST journal was submitted to Scopus database on 3 December via TCI-TRF-Scopus Collaboration Project and the journal was accepted to be indexed in Scopus on 14 January 2019. CAST journal is currently under the responsibility of the Office of Academic Journal Administration, President's Office, KMITL, which is a newly established office founded on 25 February 2020.

At present CAST journal is indexing in Scopus, ACI (ASEAN Citation Index), TCI (Thai Citation Index) Tier 1 and Scimago Journal Rank (SJR): Q4. The journal is an open access peer-reviewed and double blinded journal. Aims and scope of the journal are to provide a platform for researchers, scientists and academicians to share knowledge and ideas in the form of high-quality articles covering the main fields of Biotechnology, Environmental Science, Agricultural Technology, Food Science and other fields related to Applied Science and Technology. Special issues devoted to important topics in advanced science and technology will occasionally be published. There is no page charge for submission and all articles can be freely downloaded from the journal website: <https://li01.tci-thaijo.org/index.php/cast>.

Articles published in 2020

In the year 2020, CAST published volume 20 comprised 3 issues, i.e. No.1 (January-April), No.2 (May-August) and No. 3 (September-December). There are 45 articles published in which 4 articles are from KMITL, 22 articles from outside KMITL and 19 articles from 11 countries. Numbers of articles submitted for publication and the top countries of authors from which articles were accepted are presented in Table 1, Figure 1 and Table 2. Average duration of articles received, revised and accepted is shown in Figure 2. Table 3 presents the numbers of published articles (Vol. 20 No. 1-3) from KMITL, other organization in Thailand and overseas whereas the numbers of articles cited in TCI index and Scopus are presented in Tables 4 and 5.

Strength and progress of CAST

Advanced online publication seems to be our strength due to the increasing numbers of submission and the effectiveness of CAST editorial board and editorial management team of KMITL. In the year 2021, 4 issues with total numbers of 60 articles will be published and the total numbers of 90 articles will be published in 2022 with 6 issues.

Table 1. Numbers of articles submitted in Years 2018-2020 (1 January -31 December)

Details	2018	2019	2020
Submission	31	62	244
Decline by Turnitin	0	1	57
Decline by Editors	0	0	30
In process	-	-	86
Rejection for publication	8	17	19
Acceptance	9	24	41
Acceptancerate rate (%)*	29.03	38.71	28.27

Note: * Acceptance rate does not include manuscripts in process.

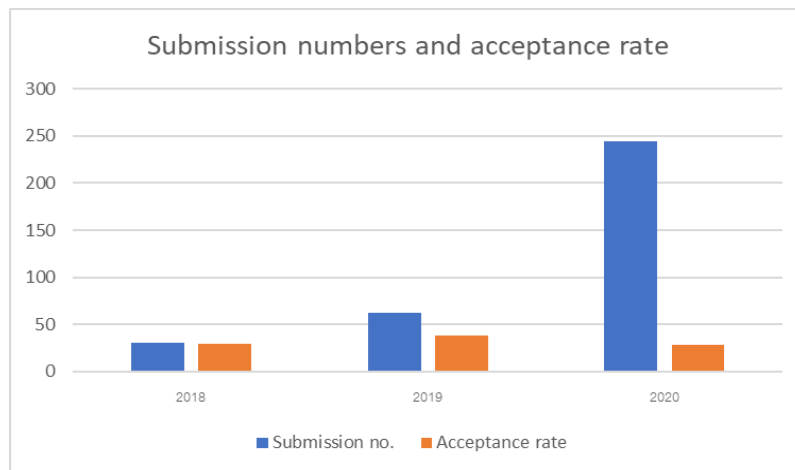


Figure 1. Comparison between submission rate and acceptance rate among years 2018-2020

Table 2. The top countries of authors listed in articles which were accepted to be published in CAST.

Country	Number of authors		
	2018	2019	2020
Thailand	57	71	86
Australia	1	-	-
Bangladesh	-	-	1
Egypt	9	9	20
Ethiopia	-	-	4
India	6	-	4
Indonesia	1	-	-
Iraq	-	-	7
Japan	-	3	3
Malaysia	-	-	5
Morocco	-	-	2
Russia	-	-	2
Saudi Arabia	-	1	-
South Korea	-	1	-
Sweden	-	1	-
Ukraine	-	-	6
United States	1	-	1
Total no. of authors	75	86	141

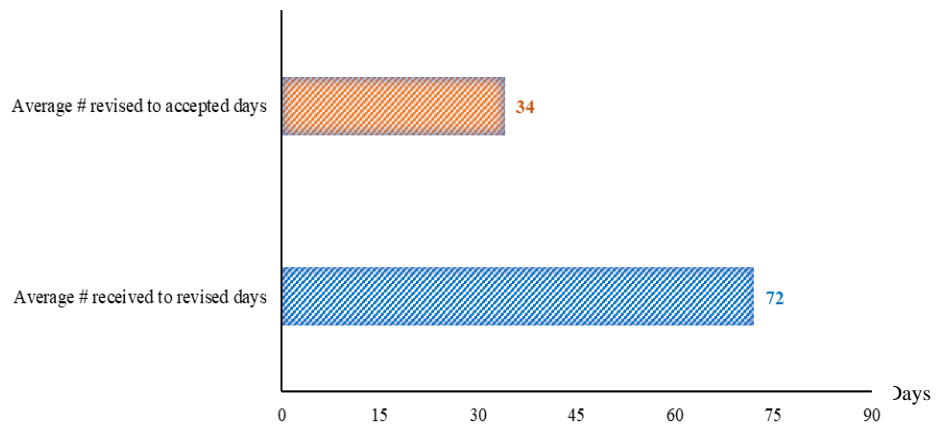


Figure 2. Average duration between received, revised and accepted articles for publication in Vol. 20 No. 1-3

Table 3. Numbers of published articles from KMITL, other organization in Thailand and overseas in Vol. 20 No. 1-3

Affiliation	Numbers of published articles in 2020		
	Vol. 20 No. 1	Vol. 20 No.2	Vol. 20 No. 3
KMITL	3	0	1
Other organization in Thailand*	7	9	6
Overseas**	5	6	8
Total	15	15	15

* Articles with author from KMITL and other organization in Thailand are also counted in this category.

**Articles with author from KMITL and other organization outside Thailand are also counted in this category.

Table 4. The most articles cited in TCI index

Title	Year published	Cited
Antibacterial Activity of Crude Ethanol Extracts and Essential Oils of Spices Against <i>Salmonellae</i> and Other Enterobacteria	2005	6
Preparation of Red Yeast Rice Using Various Thai Glutinous and <i>Monascus purpureus</i> Cmu001 Isolated from Commercial Chinese Red Yeast Rice Sample	2007	5
Importance of Aflatoxins	2002	4
Screening of Fungi for the Control of <i>Aspergillus parasiticus</i>	2009	3
Major Diseases of Lettuce Grown by Commercial Nutrient Film Technique in Thailand	2008	3
Inhibition of Aflatoxin Production and Growth of <i>Aspergillus flavus</i> by Citronella Oil	2004	3

*Updated 12/26/2020

Table 5. Number of articles cited in Scopus

Title	Year published	Cited
General Performance, Combining Abilities and Heritability of Yield and Yield Component Traits in Pumpkin (<i>Cucurbita moschata</i> poir.) at Different Conditions	2017	2
Healthcare Service Network Analysis: Northern Region's Healthcare Service Network of Cleft Lip and Cleft Palate	2020	1
Dynamic Maintenance Scheduling with Fuzzy Data via Biogeography-Based Optimization Algorithm and Its Hybridizations	2020	1
Worst Case Analyses of Nearest Neighbor Heuristic for Finding the Minimum weight <i>k</i> -cycle	2020	1
Fabrication of Activated Carbon Pouch Cell Supercapacitor: Effects of Calendering and Selection of Separator-Solvent Combination	2020	1
Geographic Information System-Based Analysis to Identify the Spatiotemporal Patterns of Road Accidents in Sri Racha, Chon Buri, Thailand	2020	1
Resistance to Quinone-outside Inhibitor (QoI) Fungicides in Colletotrichum Species Isolated from Anthracnose Disease Occurring in Thailand	2020	1
Effect of Crude Ethanolic Extracts from Bottle Brush (<i>Callistemon viminalis</i>) against Leaf Spot Fungi and Their Phytotoxicity on Lettuce (<i>Lactuca sativa</i> L.)	2020	1
Production of Fiber Hydrolysate from Bamboo Shoot with Antioxidative Properties by Enzymatic Hydrolysis	2019	1
UV Shielding Properties of Cellulose/TiO ₂ Composite Film	2018	1
Genetic Diversity in Egyptian Goats Based on Microsatellite Markers	2017	1
The Dynamical Model of Dengue Vertical Transmission	2017	1

*Updated 12/26/2020

Cite Score Tracker 2020 = 0.3

Acknowledgements

We are very much appreciated for the main 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. CAST is honoured to be selected as part of this project which has been proven a very successful one. We are also grateful to the advisory board as well as the editorial board as listed below.

Advisors:

Prof. Dr. Suchatvee Suwansawat, President of King Mongkut's Institute of Technology
Ladkrabang, Thailand
Prof. Dr. Wanlop Surakamponton, College of Advanced Manufacturing Innovation,
King Mongkut's Institute of Technology Ladkrabang, Thailand
Prof. Dr. Monai Krairiksh, Faculty of Engineering, 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
Dr. Mike Matthey, University of Strathclyde, UK.
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 Belloncik, Institut Armand- Frappier, Canada
Prof. Dr. Wenbiao Hu, Queensland University of Technology, Australia
Prof. Dr. Yawen He, Shanghai Jiao Tong University, PR China

Thailand*- Other Institute*

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 and Dr. Brian J.B. Wood, previous editorial board members for their valuable contribution to the journal.