

## **Acknowledgement to Reviewers of *Trends in Sciences* Formerly known as *Walailak Journal of Science and Technology* in 2021**

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On behalf of the editors of the *Trends in Sciences*, formerly known as *Walailak Journal of Science and Technology*, I would like to express my sincere gratitude to the reviewers who have assessed manuscripts and have dedicated their considerable time and expertise to the journal's rigorous editorial process in 2021, regardless of whether the submissions were finally published or not. In 2021, a total of 270 papers were published in the journal with a median time from submission to first decision before peer review of 3 days and from submission to first decision of 42 days. The editorial team would like to express their sincere gratitude to the following reviewers for their generous contribution in 2021:

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Nonso Livinus Okoli, Nigeria  
Noor Azuin Suliman, Malaysia  
Noor Rahmawati, Indonesia  
Norliza Katuk, Malaysia  
Novilda Elizabeth Mustamu, Indonesia  
Novizar Nazir, Indonesia  
Nur Hanis Mohamad Hanapi, Malaysia  
Nur Ikhwan Mohamad, Malaysia  
Nur Rachmat, Indonesia  
Nurul Huda, Malaysia  
Nyoman Agus Jagat Raya, Indonesia  
Okponmwense Moses, Nigeria  
Oktavia Nurmawaty Sigiuro, Indonesia  
Oktiyas Muzaky Luthfi, Indonesia  
Ololade Abdulrahman, Nigeria  
Olusegun D. Samuel, Nigeria  
Omar S. Saleh, Malaysia  
Omar Yaseen, Iraq  
Omed Gh. Abdullah, Iraq  
Omrane Bouketir, Algeria  
Onur Atakisi, Turkey  
Opert Pimpa, Thailand  
Oraporn Bualuang, Thailand  
Orasa Anan, Thailand

Oratai Sukcharoen, Thailand  
Orlean Dela Cruz, Philippines  
Osama Almiahi, Iraq  
Oybek Mallayev, Uzbekistan  
P. Dwarakanadha Reddy, India  
P. Jerome, South Korea  
P. Kumar, India  
P. Muthukumar, India  
P. R. De Andrade, Brazil  
Padmini R., India  
Pakamas Chetpattananondh, Thailand  
Pakorn Watanachaturaporn, Thailand  
Palakorn Seenoi, Thailand  
Panchaporn Promchote, Thailand  
Parvathy Rajendran, Malaysia  
Pasrun Adam, Indonesia  
Patarawan Sangnawakij, Thailand  
Patcharee Intanoo, Thailand  
Patchreenart Saparpakorn, Thailand  
Pathumwadee Yotmanee, Thailand  
Patience Danquah Monnie, Ghana  
Patomsok Wilaipon, Thailand  
Pavan Kunchur, India  
Pavithra, India  
Pawan Kumar, India  
Pazhanimuthu C., India  
Peerawas Kongsong, Thailand  
Penpatra Sripaiboonkij, Ireland  
Pensiri Akkajit, Thailand  
Peter Obasa, Nigeria  
Peter Opio, Uganda  
Phitsanu Poolcharuansin, Thailand  
Piali Biswas, India  
Pimnibha Hirunsorn, Thailand  
Pimporn Junphong Sanders, Thailand  
Pinailug Tantilipikorn Earde, Thailand  
Pipat Pichestapong, Thailand  
Pirateepa Sivakumar, Sri Lanka  
Pisit Poolprasert, Thailand  
Pissared Muangnil, Thailand  
Piya Temviriyankul, Thailand  
Piya Thirapanmethee, Thailand  
Piyada Songsermsakul, Thailand  
Piyaluk Nurerk, Thailand  
Piyaluk Nurerk, Thailand  
Piyapa Keawutan, Thailand  
Pokkamol Laoraksawong, Thailand  
Poonyanuch Nilsang, Thailand

Poppy Sri Lestari, Indonesia  
Pornchai Jullamate, Thailand  
Pornpimon Mayachiew, Thailand  
Pornpop Saengthong, Thailand  
Posma Marbun, Indonesia  
Pouya Khorampour, Iran  
Prabhakar Reddy Veerareddy, India  
Prabhakar Singh, India  
Prabhakara Rao Kapula, India  
Pracha Bunyawanchakul, Thailand  
Pracha Yeunyongkul, Thailand  
Pragalyaashree, India  
Prakash Kumar Sen, India  
Pramuk O-Siri, Thailand  
Prarinya Siritanawan, Japan  
Prasert Aengchuan, Thailand  
Prashanth A., India  
Prathibha Maria D. Almeida, India  
Pratibhamoy Das, Germany  
Pratik Jain, India  
Pratuma Rithpho, Thailand  
Pratya Nuankaew, Thailand  
Pravin Nemade, India  
Pravin Deharkar, India  
Prawesty Utami, Indonesia  
Praworada Pochanajun, Thailand  
Prawpan Suwanakitch, Thailand  
Prayoon Surin, Thailand  
Prithiviraj C., India  
Priyanka Makkar Priyanka, India  
Priyanka Srinivasan, India  
Prolay Mondal, India  
Pruetthichat Punyawattoe, Thailand  
Puangpaka Tankitjanon, Thailand  
Pulasthi Gunawardhana, Sri Lanka  
Punyisa Trakoonyingcharoen, Thailand  
Purim Jarujamrus, Thailand  
PushpaBhakuni Negi, India  
Pussadee Tangwatcharin, Thailand  
Putu Angga Wiradana, Indonesia  
Rabira Geleta Ibsa, India  
Rachid Zegait, Algeria  
Rafid Al-Asadi, Iraq  
Raghunath Kodi, India  
Rahaf Ahmad, Jordan  
Rahela Abdul Rahim, Malaysia  
Rahmat Budiarto, Indonesia  
Rahmat Dakhi, Indonesia

Rahul Ashok Patil, India  
Rahul Kanti Nath, India  
Rahul Kumar, India  
Rahul Reddy Nadikattu, United States  
Rahul Wilson Kotla, India  
Raid Ismail, Iraq  
Raj Kumar Goel, India  
Raja Al Fath Widya Iswara, Indonesia  
Rajasekar Panchamoorthy, IndiaIN  
Rajjinder Tiwari, India  
Rajni Garg, India  
Rakhi Mishra, India  
Ram Murti Rawat, India  
Ramakrishna Gandi, India  
Ramakrishna Murty Malla, India  
Ramamurthy Srinivasan, India  
Ramayanty Bulan, Indonesia  
Ramesh Gomasa, India  
Rami M. Idan, Iraq  
Raminder Kaur, India  
Ramy Wagdy Ahmed Abdel Aziz, Egypt  
Rana Z. Al-Kawaz, Iraq  
Rani Chacko, India  
Ranjan Das, Singapore  
Raphael Eze Nnam, Nigeria  
Rasha H. Ali, Iraq  
Rashidi Othman, Malaysia  
Rasiah Ladchumananandasivam, Brazil  
Ratindra Gautam, India  
Rattapon Saengrayap, Thailand  
Rattima Jeenapongsa, Thailand  
Ratul Deb, India  
Ravindrakumar Yadav, India  
Rayudika Aprilia Patindra Purba, Thailand  
Razzagh Mahmoudi, Iraq  
Redhwan Ahmed Al-Naggar, Malaysia  
Reginold Jebitta, India  
Rehab Mohamed Atta Eldesoukey, Egypt  
Reham M. Nada, Egypt  
Revathi A., India  
Revathy S., India  
Rey Mangarin, Philippines  
Ria Fajarwati Kastian, Japan  
Rifa Rafi'atu Sya'bani Wihansah, Indonesia  
Riga Riga, Indonesia  
Ritam Dutta, India  
Ritesh Mishra, India  
Roberto Napoli, Italy

Ronaldo Irzon, Indonesia  
Ronnason Chinram, Thailand  
Roshni Mujawar, India  
Rositsa Petkova-Slipets, Bulgaria  
Roy Francis Navea, Philippines  
Rudy Agung Nugroho, Indonesia  
Rufai Yusuf Zakari, Nigeria  
Rungchai Chaunchaiyakul, Thailand  
Rusdi Machrizal, Indonesia  
Ruth Ramya Kalangi, India  
S. Bhan Jangra, South Korea  
S. K. Grewal, India  
S. Mahalakshmi, India  
S. P. Gayathri, India  
S. R. Salla, India  
S. Rajasekaran, Saudi Arabia  
Sabah Saad Abdulsahib, Iraq  
Sabri Kanzari, Tunisia  
Sachin Minocha, India  
Saddam Abbas, Iraq  
Sagaya Aurelia, India  
Sahar Ali, Iraq  
Saimon Shahriar, Bangladesh  
Saisiri Sithongdee Mirasena, Thailand  
Sajda S. Affat, Iraq  
Sakaewan Ounjaijean, Thailand  
Sakib Shahriar, Bangladesh  
Salah Shaker Hashem Al-Luaibi, Iraq  
Salaudeen Nababa, Nigeria  
Salma Korbag, Libya  
Samir Bandyopadhyay, India  
Samuel Aniki, Nigeria  
Sandeep Kahandal, India  
Sandeep Malhotra, India  
Sandeep Poddar, Malaysia  
Saneesh Cleatus T., India  
Sangeethapriya J., India  
Sanjay S. Saralaya, India  
Sanjay Maurya, India  
Sanjeev Giri, India  
Santhosh Kumar Nadikatla, India  
Santhosh Kumar, India  
Santosh Kumar Badampudi, India  
Saowanee Thongnopakun, Thailand  
Sarah J. S., Iraq  
Sarang Dhote, India  
Sarath Chandra Dangeti, India  
Saravanan G., India

Sarawut Sangkham, Thailand  
Sarfraz Aslam, China  
Saritha Jyostna Tangeda, India  
Sarmoko Sadimin, Indonesia  
Saroach Boonsiripant, Thailand  
Sarvananda L., Sri Lanka  
Sarvesh Gharat, India  
Sasa Ani Arnomo, Indonesia  
Sasi Kumar M., India  
Sateesh Hosamane, India  
Satheesh Dhurairaj, India  
Sathyaraja, India  
Satyanarayan Padaganur, India  
Sawitree Dueramae, Thailand  
Sayali Sandbhor, India  
Seada Hussen Adem, Ethiopia  
Selasih Putri Isnawati Hadi, Indonesia  
Selvakumar R., India  
Selvapandian Ebinezer, Oman  
Senthil Kasilingam, India  
Sentot Budi Rahardjo, Indonesia  
SeptianHadi Susetyo, Indonesia  
Setyo Budi Kurniawan, Malaysia  
Seyfettin Dalgıç, Turkey  
Shahid Tamboli, India  
Shahzad Sharif Mughal, Pakistan  
Shaibu Atabo, Nigeria  
Shaikh Farah, India  
Shailendra Kumar, India  
Shak Afsin Kariper, Turkey  
Shakti Prakash Jena, India  
Shamsul Anuar Shamsudin, Malaysia  
Shankar Rao Munjam, India  
Shanmugaraja P., India  
Sharanabasava Ganachari, India  
Shariful Islam, Bangladesh  
Shashi Meena, India  
Shashi Verma, India  
Shaymaa H. Abdulrahman, Iraq  
Sheeja Tharakan, India  
Sheena Pravin, India  
Sheetal Wadhai, India  
Shehab Alzaeemi, Yemen  
Sheikh Ahmad Izaddin Sheikh Mohd Ghazali, Malaysia  
Sherly Ridhowati, Indonesia  
Shiv Preet Shiv Preet, India  
Shivaprasad More, India  
Shovon Nandi, India

Shridhar Mathad, India  
Shrishail Sollapur, India  
Shruti Sharma, South Korea  
Shruti Suman, India  
Shuhrat Azizov, Uzbekistan  
Shukrya Alwan, Iraq  
Shukur Al-Aeashi, Iraq  
Shunmathi Js, India  
Shyam Borwar, India  
Shyam Lal Sharma, India  
Siamak Hoseinzadeh, South Africa  
Siddesh Kumar N. M., India  
Sigit Heru Murti, Indonesia  
Sikiru Subairu, Nigeria  
Silvana Sukaj, Albania  
Simanta Shekhar Sarmah, United States  
Sirikanlaya Sookkhee, Thailand  
Siriporn Jirawatkul, Thailand  
Siriwan Soiklom, Thailand  
Sita Ram Sharma, India  
Siti Aimi Sarah, Malaysia  
Siti Maghfirotul Ulyah, Indonesia  
Siti Nazihahasma Hassan, Malaysia  
Siti Nurul Afifah, Indonesia  
Sivabalaselvamani D., India  
Sivamani Selvaraju, Oman  
Sivaraj Ramachandran, India  
Smita Bhat, India  
Smrutiranjana Nayak, India  
Sneh Lata, India  
Sneha S. Bandekar, India  
Sodom Reddy, India  
Som Cit Sinang, Malaysia  
Somchai Chanpongsang, Thailand  
Somkiat Prachayawarakorn, Thailand  
Soraya Shafawati Mohamad Tahier, Malaysia  
Soundararajan K., India  
Soundiraraj Nallasamy, India  
Sreekeshava K. S., India  
Sridhar Iyer, India  
Srikanth Ravipati, India  
Srinivasulu Kummara, India  
Sripriya, India  
Sritha Zith Dey Babu, India  
Stanislaw Paul Maj, Australia  
StormyVertygo, Indonesia  
Subba Rao B. V., India  
Subbulakshmi, India

Subhadra Rajpoot, India  
Subhasis Roy, India  
Subramanyam Pavuluri, India  
Suchada Karuna, Thailand  
Suchai Worachananant, Thailand  
Sudad Al-Obaidi, Sweden  
Sudhir Bhandarkar, India  
Sudipta Sil, India  
Sugeng Hadi Susilo, Indonesia  
Sukee Sukdee, Thailand  
Sukhumaphorn Sriwisit, Thailand  
Sumalatha J., India  
Sumayah Kasim, Iraq  
Sumit Kumar Banchhor, India  
Sumit Rana, India  
Sumit Sheoran, India  
Sumukh Surya, India  
Suneel Bommireddy, India  
Sungju Moon, South Korea  
Sunil Karri, India  
Sunita Chamyuang, Thailand  
Supagorn Rugmai, Thailand  
Supaporn Apirattananusorn, Thailand  
Supaporn Therdtianwong, Thailand  
Suparit Tangparitkul, Thailand  
Supinya Tewtrakul, Thailand  
Supreena Srisaikhram, Thailand  
Supuksorn Masavang, Thailand  
Suraj Mandal Sujit Mandal, India  
Suratsawadee Kungsanant, Thailand  
Sureeporn Saengwong, Thailand  
Suresh J., India  
Suryadi Ismadji, Indonesia  
Sushma Dave, India  
Suvimol Phanyaem, Thailand  
Suvitha A., India  
Suwisit Manmuan, Thailand  
Swarnim Patel, India  
Swarniv Chandra, India  
Swati Sinha, India  
Sweta Shah Shah, India  
Syed Aftab Hussain Shah, Pakistan  
Syed Sameer, India  
Syed Talha Tirmizi, Pakistan  
Tadsanee Punjanon, Thailand  
Tagreed M. Al-Saadi, Iraq  
Talha Bin Emran, Bangladesh  
Tan Swee Lian, Malaysia

Tania Davari, Iran  
Tapan Sarkar, India  
Tarek El-Geziry, Egypt  
Tariq, Iraq  
Tekalign Kejela, Ethiopia  
Thanakorn Wasanapiarnpong, Thailand  
Thanatip Ruksilp, Thailand  
Thangaduai N., India  
Thangaraj K., India  
Thanongsak Imjai, Thailand  
Thanyaluck Phitak, Thailand  
Tharin Phenwan, United Kingdom  
Thitinan Sorabut, Thailand  
Tilak Narayan Ghosh, India  
Tiparat Tikapunya, Thailand  
Titin Aryani, Indonesia  
Tito Yustiawan, New Zealand  
Tolesa Dekeba, Ethiopia  
Tomi Erfando, Indonesia  
Tomi Tristono, Indonesia  
Towkir Ahmed Ove, Bangladesh  
Treetip Ratanavalachai, Thailand  
Tri Handoyo, Indonesia  
Triana Kusumaningsih, Indonesia  
Tsegaye Melese, Ethiopia  
U Sinthuja, India  
Uday Saindane, India  
Udit Kumar Chakraborty, India  
Uma Randhi, India  
Umamaheswari P., India  
Unchalee Tonggumnead, Thailand  
Upatham Meesawat, Thailand  
Uttam Budhathoki, Nepal  
V. Karthick, India  
V. V. Lakshmi, India  
Vanavil, India  
Vanchinathan Kumarasamy, India  
Vandana Shinde, India  
Vandna Batra, India  
Varun Shukla, India  
Vasanth Kumar, India  
Vasudev D. Shinde, India  
Vatcharee Seechamnaturakit, Thailand  
Venkata Lakshmi Dasari, India  
Venkata Ramana Bendi, India  
Venkata Suresh Bade, India  
Vichai Leelavatcharamas, Thailand  
Vichien Kitpreechavanich, Thailand

Vicky Mudeng, Indonesia  
Viengsakoun Napasirth, Laos  
Vigneshwaran Rajendran, India  
Vijander Singh, India  
Vijay Arekal, India  
Vijay Kumar Tadakamalla, India  
Vijay Rawat, India  
Vijayalakshmi Radhakrishnan, India  
Vinayak Deokar, India  
Vinita Vinita, India  
Vinod Kumar, India  
Vinuraj Devaraj, United States  
Vipavee Anupunpisit, Thailand  
Vishtasb Soleimanian, Iran  
Wagh S. V., India  
Wail Alaraji, Iraq  
Wandee Thamjaree, Thailand  
Wanida Maksiri, Thailand  
Wanee Jiraungkoorskul, Thailand  
Warangkana Chunglok, Thailand  
Waraporn Chouychai, Thailand  
Waseem Ullah Shah Shah, Pakistan  
Wasin Chareerntantanakul, Thailand  
Watchara Damjuti, Thailand  
Wegayehu Enbeyle, Ethiopia  
Wildan Zulfikar, Indonesia  
Winarti Winarti, Indonesia  
Wipa Sae-Sia, Thailand  
Wipa Tangkananond, Thailand  
Wipsar Sunu Brams Dwandaru, Indonesia  
Wira Eka Putra, Indonesia  
Witawat Jangiam, Thailand  
Witthaya Hemapandha, Thailand  
Worapol Aengwanich, Thailand  
Worawut Chompoopan, Thailand  
Worawut Koedprang, Thailand  
Wuttiwat Jitjak, Thailand  
Xin Mu, China  
Yan Wang, United States  
Yasar N. Lafta, Iraq  
Yaser Alasady, Iraq  
Yashwant Kumar, India  
Yasmeen Dawood, Iraq  
Yasser Abd Elmaboud, Egypt  
Yatendra Saraswat, India  
Yenesew Fentahun, Ethiopia  
Yenny Puspitasari, Indonesia  
Yessy Nur Endah Sary, Indonesia

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Yimamaw Mahmud, Ethiopia  
Yohannes Werkina Shewalul, Ethiopia  
Yonatan Kassu Yesuf, Ethiopia  
Younus Abdullah, Iraq  
Youssef Taher, Morocco  
Yusuf Ayipo, Malaysia  
Zafar Alam, India  
Zahra Timimi, Iraq  
Zahraa S. Alshaikhli, Iraq  
Zaidoon T. Abdulrazzaq, Iraq  
Zainab Hasan Abdulabbas, Iraq  
Zainab Mahmood Al-Jammali, Iraq  
Zainab Sajid Mohammed, Iraq  
Zainab Sattar Al-Khafaji, Iraq  
Zakaria Triki, Algeria  
Zakia Rais, Morocco  
Zakiud Din, China  
Zaldy Rusli, Indonesia  
Zana Kakarash, Iraq