Editorial

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Biographical notes: Hock Jin Quah received his BEng (Hons) in Materials Engineering from School of Materials and Mineral Resources Engineering (SMMRE), USM in 2008. He graduated with PhD (2014) and MSc (2010) in Electronics Materials from SMMRE, USM under the sponsorship of "The USM Vice Chancellor's Award 2011" and "USM Fellowship", respectively. He was previously a Post-Doctoral Fellow in Institute of Nano Optoelectronics Research and Technology (INOR), USM and Institute of Advanced Technology (ITMA), Universiti Putra Malaysia. Currently, he is working as a Senior Lecturer at INOR, USM since year 2018. His contribution in the field of research and development is reflected through 90 refereed international top-tier publications with H-Index of 20 and one patent granted under MyIPO. He has also received several recognitions from the university under "Sanggar Sanjung" awards for year 2008, 2010–2016, and 2018–2022 as well as the "Best Thesis Award for Category of CRI: Engineering and Technology" for the year 2014. He is presently editorial board member for *International Journal of Energy Research* and *Microelectronics International* as well as Associate Editor for *Frontiers in Materials: Semiconductor Materials and Devices*.

6th Meeting of Malaysia Nitrides Research Group (MNRG 2022) was held virtually for the second time from 6 to 7 December, 2022 due to the initiative to ensure prominent researchers from different continents in the world to share their research progress in recent times. This event was organised by Institute of Nano Optoelectronics Research and Technology (INOR), Universiti Sains Malaysia and Collaborative Research in Engineering Science & Technology (CREST). This event involved Keynote, Plenary, and Invited speeches as well as pre-recorded oral presentations by prominent speakers from different universities. The theme selected for this special issue was "Growth of Functional Nitrides and Oxides and Its Applications", which emphasised on the development of functional nitrides and oxides in terms of growth, structural, chemical, and electrical properties of these materials for optoelectronics and electronics applications. This special issue contains a total of 12 manuscripts that were selected and peer-reviewed prior to the acceptance of these manuscripts.

We would like to extend our gratitude to all authors and reviewers for their support and contribution in making this special issue a reality. Last but not least, we would like to acknowledge Prof. Dr. Lionel Vayssieres, Editor-in-Chief of the *International Journal of Nanotechnology*, for providing his valuable recommendation and guidance towards the completion of this special issue.

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