Foreword for the Festschrift on the occasion of the 60th birthday of Professor Pratim Kumar Chattaraj

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Students, grandstudents, friends, collaborators, and well-wishers of our teacher Professor Pratim Kumar Chattaraj organized an International Conference on Systems and Processes in Physics, Chemistry and Biology (ICSPPCB 2018) at Assam University, Silchar in March 2018 to commemorate his sixtieth birthday. This conference was organized to encourage young minds to unravel the inherent complexity present in most natural systems and processes. Decoding the science behind the complexity of these systems at different length and time scales is of central interest in various scientific disciplines. This conference served as a platform for that goal by bringing together experts from different fields of research.

Professor Chattaraj is currently an Institute Chair Professor at the Indian Institute of Technology Kharagpur and a Distinguished Visiting Professor at the Indian Institute of Technology Bombay. Apart from teaching various undergraduate and postgraduate courses for more than three decades, he has been actively engaged in research work that encompasses density functional theory, ab initio calculations, chemical reactivity theory, all-metal aromaticity, hydrogen storage materials, confined systems, nonlinear dynamics, the quantum theory of motion, noble-gas compounds, fluxionality in boron clusters, and other topics. He is involved in strong collaborations with several research groups distributed across the globe.

One of Professor Chattaraj's long-time friends and collaborators, Professor Alejandro Toro-Labbé, suggested publishing a topical collection of papers from ICSPPCB 2018 as a Festschrift in the *Journal of Molecular Modeling*. Professor Chattaraj kindly agreed to be an Associate Editor. The Editor-in-chief, Professor Tim Clark, the Managing Editor, Dr. Elke Haensele, and the whole team whole-heartedly supported this endeavor. The resulting Festschrift includes 54 papers written by authors from 24 different countries around the world.

We are grateful to the whole JMMO team, the authors, and the reviewers for their help in various ways, and to Professor Chattaraj for his continued support.

We wish you a happy birthday Sir!

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