

Preface from the editors

The energy requirement increases exponentially and becomes an important issue for the entire world due to its significant impact on environmental damage and human health. Therefore, it is an urgent priority for the researchers to design new materials that can fulfill the energy requirements and to reduce the environmental risks and health problems in the same time. Functionalization of materials can be a potential response to the growing challenges in the energy, environment and health applications. Materials with improved functional has not only attracted more attention from researchers, but also be required in a wide range of advanced technology fields. This demand leads to the rapid global development of the new and novel materials.

The International Conference on Current Progress in Functional Materials 2016 (ISCPFM 2016) is the first international conference in functional materials organized by the Faculty of Mathematics and Natural Sciences (FMIPA), Universitas Indonesia. It was held in Bali (Indonesia) and accommodated two days of intense discussion regarding the current progress in the functional material for energy, environment and health applications. Three plenary speakers from Japan and UK have featured the fascinating results in experimental works, while the other three from US, Japan, and China gave compelling presentations from the theoretical point of views. Concurrent sessions were covered a more wide range of topics and issues, including low-dimensional, nano and 2D materials, metals, metal oxides, organometals and coordination chemistry, polymers, ceramics and composite materials, biomaterials as well as computation and simulation of materials. After a peer review process, 62 papers have been accepted to be published in the conference proceeding.

We would like to thank all of the reviewers for their time and effort to review and select the papers and also express our heartfelt appreciation to the faculty's conference proceeding teams to finalize the articles to be included in the proceeding. It would be difficult for us to finish the proceeding without the commitment and the willpower from the researchers and technical teams to involve in all processes. We have enjoyed working hand in hand with the reviewers and the faculty's proceedings teams. It has been an honor for us to have the chance to become the editors of the proceeding.

We are very grateful and highly appreciate the contribution of various parties who have been involved directly and indirectly- the international advisory board, the steering committee, the organizing committee, the scientific committee, the program committee and financial support from Universitas Indonesia- for helping to execute the conference and the proceedings. Finally, we thank all participants and authors for their contributions.

Depok, March 2017

Editors

Ivandini Tribidasari A.

Djoko Triyono

