

Preface

We are very pleased to introduce the proceedings containing a selection of papers from the 6th International Conference on Mathematics and Natural Sciences held in Bandung, Indonesia. The 6th ICMNS was a biannual conference organized by Faculty of Mathematics and Natural Sciences, Institut Teknologi Bandung. The conference was attended by more than 400 participants from various universities, research institutes, government agencies, and industries from Indonesia, Malaysia, Singapore, Korea, Japan, Australia, The Netherlands, Germany, and Kazakhstan. The topics covered in the 6th ICMNS were chemistry, material science, physics, mathematics, computational science, medical and pharmaceutical sciences, life science, environmental science, science of renewable energy, earth and space science. The conference program consisted of a Nobel Laureate Lecture from Prof. Gerard't Hooft (the 1999 Nobel Laureate in Physics), plenary sessions, parallel sessions, and poster sessions.

The proceedings features recent results and contemporary researches in the field of material sciences and technologies. This volume is divided into four chapters, namely Biotechnology, Food Chemistry and Pharmacology; Materials and Technologies for Environmental Engineering; Materials and Technologies for Microelectronics and Sensor and Functional and Structural Materials. We hope that this proceedings will foster the advancement of science and technology which is essential to support sustainable development.

All the papers presented in the proceedings have undergone a blind peer-review process. On behalf of the conference committee, we would like to express our sincere gratitude and appreciation to all paper contributors and reviewers.

Rachmawati
Dessy Natalia