

# Preface

## The Goals of This Book

The aim of this book is not only to present the efforts and research that science educators in Taiwan have accomplished in the past but also to positively influence science education researchers, educational practitioners, and even policy makers to ponder how to implement the outcomes of research in practice, and how science education research can influence students' learning and teachers' teaching in the context of science and to educate our next generation with high quality of scientific literacy to leave them well-equipped to face the twenty-first century.

Finally, I hope this book ignites people's interest in conducting science education research and then putting it into practice to change the climate in school science teaching and learning. I also hope policy makers take evidence-based research into account when they make decisions about science educational reforms for the sake of motivating students' interest in learning sciences, facilitating teachers' instruction, and helping people enjoy the wonderful journey of learning sciences, as well as for the public to gain a positive perception of science and to appreciate science enterprise globally. I intend this volume to be a comprehensive first step in addressing the role of Taiwan in science education research in the past, present, and future.

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Challenges and Opportunities

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