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edited by **Subrata Borgohain Gogoi**

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Subrata Borgohain Gogoi

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To my parents . . .

My Maa, Dibya Borgohain,

and Deauta, Late Narayan Chandra Borgohain

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Preface

The idea of writing and editing this book came to me immediately after the International Seminar-cum-Workshop on Oil & Gas under the aegis of the UGC–UK India Education and Research Initiative Programme and the Indo–U.S. 21st Century Knowledge Initiative Programme, which was organised jointly by Dibrugarh University, Assam, India; the University of Edinburgh, U.K.; and the University of Louisiana at Lafayette, LA, USA, from 7 to 8 April 2019 at Dibrugarh University, which received great feedback from the participants. So I decided to compile some of the peer-reviewed papers presented in the seminar in the form of a book. It is the prompt and positive response from Jenny Stanford Publishing (formerly Pan Stanford Publishing), Singapore, that made my wish and endeavour of bringing out a book on the comprehensive research on the background and recent advances in petroleum technology a reality. The book deserves to be an excellent reference book on the various latest developments and technologies in the oil and gas sector, and I believe it will live up to the expectations of researchers actively involved in petroleum R&D, both in academics and in industry. The book comprises 25 chapters from different research groups, and each chapter represents the significance, objectives, novelty and technology in petroleum research.

The book has been checked thoroughly, but mistakes might still be there. I shall greatly appreciate if the readers kindly bring those to my notice. Suggestions for improvement are always welcome. Although the book is primarily intended for researchers in the field of petroleum technology, it will also be useful for postgraduate students and practising engineers in the oil and gas sector.

It is a great pleasure to put on record my indebtedness to my collaborators and students for the stimulus I received over the years.

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Subrata Borgohain Gogoi
2021