Contributions of Early Muslim Scientists to Engineering Sciences and Related Studies
Contributions of Early Muslim Scientists to Engineering Sciences and Related Studies

Editors
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Preface

Early Muslim thinkers surpassed others in various fields of knowledge including engineering sciences. They derived their strength from the conception that all duties performed are part of devotion to Allah and political and educational environment provided by the system. However, it is an unfortunate fact that early Muslim contributions to engineering sciences are not widely recognized as in other disciplines, although in Islamic history of knowledge engineering ranked high. It is undeniable that Muslims have made immense contributions to this field. Engineering is the practical application of science and math to solve problems related to human life. Islam itself as a religion has in diverse places spoke on this fact. For instance, the Qur’an, as the main source of human life, focused on infrastructure, sustainability and the necessity of clean water to sustain every living being on the planet. That is not possible without theoretical and practical knowledge of engineering sciences. Individual writers of each chapter are responsible for the accuracy of the content, references, and the citations contained in these chapters. Editors of this volume will not check facts, or references and the main author of each chapter accept full responsibility for the accuracy of their work. Finally, early Muslim scholars including Al-Battani, Al-Biruni Al-Razi Jabir Ibn Hayyan and Al-Zarqali have mastered engineering sciences for the service of mankind and contemporary Muslim engineers should be proud of their predecessors.
Acknowledgement

Our gratitude is expressed to all the contributors, external reviewers and other scholars for their valuable work, comments and suggestions. Our appreciation is also indebted to the Faculty of Engineering IIUM, for its continuous and unremitting encouragement. We are also thankful to the Research Management Centre of IIUM, for the procedural support.
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