

FOREWORD

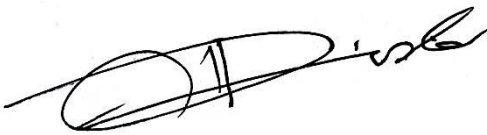
Military Institute of Science and Technology (MIST) started its journey on 19 April 1998 as the pioneer technical institute of Bangladesh Armed Forces aiming to be a 'Center of Excellence'. Following the visionary leadership of Honourable Prime Minister Sheikh Hasina, MIST was established and currently it is emerging as an important contributor of upcoming 'Smart Bangladesh'.

Remaining focused on the main objectives of establishment; MIST goes beyond its military emphasis and plays a substantial role in nation-building by providing quality engineering education to civil students nationwide. MIST has stepped beyond its national frontiers through establishment of the MIST International Journal of Science and Technology (MIJST), a peer-reviewed open-access publication released biannually. MIJST publishes original solutions to challenges faced by various frontiers of science and technology. It aims in shortly being enlisted in the prestigious databases of Scopus and WoS to increase its visibility.

We take immense pleasure in unveiling the June issue, Vol. 12 of our journal - MIJST. This edition is dedicated to exploring the forefront of technical excellence and presenting innovative solutions that are believed to impact our lives through innovation and advanced thinking.

I would like to put on record my sincere appreciation to the dedicated editorial board whose hard work has made possible the successful publication of the current edition. Special thanks go out to the reviewers who provided invaluable recommendations and insights for the papers. Sincere congratulations to all the authors as well whose contributions have enriched the content of the issue. I extend my deepest thanks to all the National and International Members of the learned Editorial Board of MIJST for their invaluable guidance and recommendations aimed at elevating the standard of the journal.

I wish continued success of MIJST in the years to come!



Major General Mohammed Saidul Islam, rcds, ndc, psc

Commandant, MIST, Bangladesh

Chief Patron, MIJST, Bangladesh