

## Editorial

The germination of the concept of this Multidisciplinary Research Journal (MRJ) is almost three hundred days old, with the expectation to foster intellectual exchange and innovation by publishing high-quality, original research work. Addressing contemporary challenges as a part of global needs and national mandate, MRJ, a quarterly published journal, aims to inculcate informed policy or practices with authentic reflections of integration of multiple disciplines among Humanities-Social Science, Science-Engineering, and Business-Commerce.

A congregation of 51 authors from four nations and nine Indian states represented by 18 esteemed institutions deserves appreciation for bringing diversity and rainbow pigments to this issue of MRJ. This maiden issue of MRJ offers a range of articles spanning all major disciplines of science, engineering, humanities, business, and commerce.

One of the key challenges is to keep the environment habitable for all life forms. MRJ opens this issue with a multidisciplinary deliberation on the most essential matter i.e., inhalable air, researched incidentally at MRJ's birthplace.

Health is another challenge for mankind, and progressive multidisciplinary efforts to deal with such challenges are well evidenced. MRJ is enriched with inclusion of such a successful effort of integrating human biology with modern computational techniques for detecting osteoporosis. Extending such innovative exploration of machine learning techniques beyond the human body and reaching Khasi mandarin (*Citrus reticulata* Blanco) to detect its bruises has been the theme of another article. The multidisciplinary research would be beneficial for the entire supply chain of this economically significant horticultural produce of north-east India.

Increased complexity in understanding the human mind, mainly caused by multidimensional changes in society, culture, communication, and ambiance, necessitates its focused attention on peace and happiness and reduced conflict. The quest for exploration of Indian traditional knowledge, such as meditation practices, embraced with new-generation tools, techniques, and know-how, has been part of such efforts aiming to rejuvenate the mind. Similarly, in the light of NEP-2020, there is undoubtedly an urgent need to use interdisciplinary approaches to teaching and learning. MRJ is honoured to present research works overing these significant areas in the current issue.

Interesting examples of multidisciplinary approaches to search solutions at desired scale of sustainability are also evidenced by the presented works on (i) Congo red dye, (ii) CAES (Compressed Air Energy Storage), (iii) Antioxidant components present in aloe vera, and (iv) Characterization of starch granules.

Academicians' enriched experience highlighting the intricacy of working beyond disciplinary borders, with historical perspective and interdisciplinary examples, will benefit all, including policy makers. Similarly, the research works to assess language learners' performance vis-à-vis teaching methods will be academically beneficial, as language learning is undoubtedly a key aspect of quality education. Further, the article covering the work on profitable investment interlinked with investors' behavior appears as an emerging area of multidisciplinary research.

Tribal populations contribute rich customs and traditions to cultural heritage of the nation. Their concern about generalized policy and laws such as the Uniform Civil Code, expressed through one of the articles, is expected to open up further meaningful deliberations. Similarly, experiences shared from the Sialkal Range of interior Mizoram (India) on the positivity of human-animal relations are also expected to set an exemplary trend for MRJ in bringing up local issues with global relevance.

Centre for Multidisciplinary Research, a five-year-old toddler at Tezpur University is flagging off MRJ for promotion of multidisciplinary education and advancement of research. The MRJ, an open access journal, is humbled to seek support from all corners to progress effectively.

**Editor in-Chief**  
**Multidisciplinary Research Journal**