

# Preface

KDMIPE bi-annually publishes 'ONGC Bulletin' which is the scientific journal of the flagship explorer ONGC. Last special theme base issue published in December 2018 on 'Leveraging exploration through R & D' has been applauded by many Geoscientists, researcher and academician. In its current 54<sup>th</sup> Volume (No. 1) peer reviewed articles have been selected pertaining to hydrocarbon exploration and production.

The contents of the present issue cover diverse geoscientific aspects of Indian Petroliferous basins including Cambay Basin, Assam & Assam Arakan Basin, Frontier areas like Himalayas & Jaisalmer etc. It also shows up topic on Shale-oil resource assessment, Shallow biogenic gas prospectivity of on-land Mahanadi Basin. The paper on seismic to simulation an integrated approach to explore in brown field development with a case study from GS-6 sand of Hazad member of Ankleshwar Formation discusses how seismic driven robust facies model was prepared by capturing the heterogeneity based upon the delineated sand. Another paper debates on facies analysis, reservoir characterization & depositional environment study of hydrocarbon bearing Tertiary sequences of Jaisalmer Basin. Paper by academicians on novel technique for gas hydrate formation at predetermined hydrate saturation deliberates gas hydrate formation and dissociation successfully related to temperature distribution inside the porous media. An attempt has been made to identify the risk elements, to estimate the play chance and evaluate the unrisks and risks shale oil resources Assessment unit wise and Layer-wise.

Paper on new statistical technique for defining background and baseline values of trace metals in sediments of Sundalbari area, Tripura describes how aspect analysis proved useful in defining elemental relationship with the other elemental contributors.

On behalf of the Editorial Committee, I seek your scientific contribution in the forth coming issues in the form of reviewed articles, discussions, valuable suggestions relevant to the hydrocarbon E&P industry.

*Harilal*

**(Dr. Harilal)**

Chairman - Editorial Committee