



From the Editor's Desk

Dear fellow geoscientists,

SPG India had organized 13th Biennial International Conference and Exposition on the theme “Energy Sustainability: Challenging New Frontiers” – Kochi 2020. Out of several works presented in the conference, five quality papers have been selected for publication in this issue of GEOHORIZONS for wider circulation among geoscientists.

In the first paper titled “Reservoir Characterization in KG Deep Water using Data Analytics, Eastern Offshore Basin, India” Mr Sanjai Kumar Singh, et al, have discussed the data analytic approach of reservoir characterization through reservoir property predictions . The approach for finding causal variable of seismic amplitude response and reservoir characterization using seismic were successfully implemented in the study where statistical method was used for causal variable analysis .

V P Singh, et al, in their paper titled “Imaging of Highly Dipping Strata and Growth Fault in Vainateyam Area, KG Basin Using Insitu Angle Domain Techniques ” have demonstrated the advantage of using In-situ Angle Domain Techniques for imaging of highly dipping strata and growth fault . In the paper, it is shown that, specular and diffraction imaging can be used for separating out reflection and diffraction energy and fault can be delineated very clearly in the specular stack. Also, the diffraction stack can properly image major-minor faults.

In the third paper titled “Delineation of Miocene Sands by Stochastic Inversion, AVO & Seismic Attributes - A case study from a field in Assam fore-land” Mr Ritesh Mohan Joshi, et al, have presented the case study from the field in Assam fore-land where Miocene sands were identified with the help of Stochastic Inversion, AVO & Seismic Attributes .

Gopesh Gopi and Rajeev Ranjan Kumar in their paper titled “An integrated approach for drilling optimization based on Dynamic Multiphase Kick Tolerance Calculation” have discussed the significance of dynamic Kick tolerance in getting the well to the prognosed depth at minimal cost with no major NPT and saving rig days.

In the paper titled “Fault Delineation using Spectral Decomposition of Relative Acoustic Impedance Data, RGB Blending and PCA” Mr Vikas Saluja, et al, have shown the comparison between fault delineation using different attribute volume and they observed that RGB blended volume and PCA derived volume delineate the particular fault more effectively as compared to the conventional discontinuity attribute .

I am sure study and understanding these papers will add value to the technical know-how of our fellow geoscientists. In addition to the above, this issue contains news items which give an overview of different technical activities which are taking place on the platform of SPG India. Your valuable contributions in the form of quality papers, tutorials as well as news item, which may be of interest to geo-scientific community are invited for the coming issues of GEOHORIZONS.

With warm regards,

(Choppalli V Rao)