

e. The Bijawar and the Mahakoshals which underlie the Vindhyan sediments should form good target for tectono-stratigraphic studies to bring out, in clear terms, the nature of relationships with the overlying Vindhyan. It is expected that the work on the Bijawar and the Mahakoshals will help in understanding the tectonic evolutionary history of the Vindhyan basins.

f. Sequence stratigraphic analyses of the sedimentary records of the Vindhyan, hitherto not attempted, is urgently needed to help identify genetically related sedimentary packages and recognition of intra-, and interformational unconformities. It is expected that the identification of maximum flooding surfaces can help in correlation of stratal packages all over the basin.

g. Volcanics within the Semri Group have never been studied seriously with respect to petrography, geochemistry and their field relationships. It needs immediate attention to understand the tectonic evolution of the basin.

h. Process-response depositional modelling for every formation within the Vindhyan Supergroup need to be undertaken on regional scale.

i. Carbon isotope variations of various carbonate facies need to be undertaken in order to chart the paleoclimatic fluctuations, if any.

j. A small group of interested workers need to be formed to deliberate and develop a model methodology for study and develop a uniform nomenclature of stromatolites before these are used as stratigraphic markers.

k. Need is felt to set up a separate geochronology laboratory to undertake the systematic work of dating. Moreover, a committee of young and enthusiastic workers need to be formed for reconciliation of data on biota, stromatolite and geochronology of the Vindhyan sequences.

l. It is necessary to re-review and consider the Edicarian flora/fauna, or in other words, the attainment of multicellularity in the biotic kingdom vis-a-vis records from the Vindhyan.

It is hoped that this Group Discussion will kindle a keen interest amongst Earth Scientists in the country for having a relook into the existing data sets and bridging the identified gaps by way of multi-disciplinary projects on various facets of Vindhyan.

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PREMATHA NATH BOSE MEDAL, 1990

The Prematha Nath Bose Medal of the Asiatic Society, Calcutta, for the year 1990 has been awarded to Dr.B.P.Radhakrishna for his "conspicuously important contribution to geology with special reference to Asia". Prof. D.Mukhopadhyay received the medal, on behalf of Dr.Radhakrishna at the Annual General Meeting of the Society held on 3rd May, 1993.