

India

Tripura teacher makes chemistry learning interesting

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An Assistant Professor of Chemistry in Dharmanagar Degree College in North Tripura has been appreciated across the country for his success in simplification of two established theories of chemistry that made learning the subject interesting. Dr Arijit Das has discovered the new methods for determination of hybridisation state for organic and inorganic molecules or ions in a very short time and new methods for IUPAC nomenclature of bicycle and spiro compounds. "Though these are very basics of undergraduate and graduate level study of chemistry, the existing methods are not interesting for the learners because of

some complex state of interpretation," Dr Das told a news paper on Monday, claiming now it would be easier and fascinating. Hybridisation is nothing but the mixing of orbitals in different ratio to form some newly synthesised hybrid orbital but the new method states, in case of cationic species it must remove one electron from the outermost orbit of the central atom and in case of anionic species it must add one electron with the outermost electrons of the central atom, he said. Dr Das's achievement was first brought to light four months ago when a leading journal on the subject published it in its April 2012 issue and later Dr Das explained it to different forum in a well-convincing manner that evoked positive response among the scholars and learners across the country. Professor Mahammad Ali of Jadavpur University stated while appreciating Dr Das that it will be helpful for students for easy learning of Hybridisation and IUPAC nomenclature of bicyclo and spiro compounds and this had been circulated among students in order to follow these new methodologies. "I was surprised by the innovative contribution that you have made in the field of chemistry. I am sure that your exciting contribution would go a long way to help to the students of chemistry who would choose the subject as their career," commented Professor R A Lal of NEHU. UNI BB LR SRC1102 NNNN -- (UNI) -- 25ca2.xml