

Dr Arijit Das's latest inventions and methodologies secure recognition and appreciation

By Our Correspondent



Agartala, Aug 05, 2013 : Tripura Professor, Dr. Arijit Das, has devised two more new and original Teaching methodologies for easier and faster calculation of Spin-Multiplicity Value and prediction of Magnetic properties of hetero nuclear diatomic species which has been published in the Peer reviewed and referred International Journal, 'Indian Journal of Applied Research', Impact Factor-0.8215(2012) Aug-2013, 03(08), page-67-68. This time his innovations have improved upon formula devised by Friedrich Hund in 1925, and is of important use in 'Atomic Chemistry', 'Spectroscopy', 'Quantum Chemistry' and 'Co-ordination Chemistry' at UG, G and PG level students.

Till now Dr. Das, currently Head, Dept.of Chemistry, Govt. Degree College, Dharmanagar, North Tripura, has devised altogether eight (08) new and original Teaching methodologies including twelve (12) new formulae on 'Hybridization State', 'IUPAC Nomenclature of Spiro and bicyclo compounds', 'Bond-Order determination for (1-20) electrons without MOT', 'Bond-Order determination for Oxide based acid radical', 'Spin Multiplicity' and 'Magnetic Properties of hetero nuclear diatomic species' etc. to make the subject easier, interesting and time saving for students. All the new methodologies are available in his personal website www.drarijitdaschem.in in free access mode.

His innovations have improved upon formulae devised by such stalwarts of Chemistry as Linus Pauling (1931), a Nobel Laureate in 1954, Robert Mulliken (1927), a Nobel Laureate in 1966, Sir G. Wilkinson, a Nobel Laureate in 1973, Harvard University, Prof. F.Albert Cotton, University of Texas, USA and Prof. Friedrich Hund in 1925.

Dr.Das, who is also the reviewer of USA and UK London based internationally -acclaimed Chemistry Journals of the world namely 'Journal of Inorganic Chemistry Communications', Elsevier Publication, 'Journal of Co-ordination Chemistry', Taylor and Francis Publication, London, U.K. since 2010. Dr.Das is also the senior fellow and Reviewer of the 'Journal of Indian Chemical Society', Kolkata, India. He is also the life member of Indian Academic of Forensic Science, Indian Science Congress and Tripura Chemical Society.

Recently he has got an invitation from Science and Education Publishing, USA to become an Editor for the Journal 'World Journal of Chemical Education', USA. In the Editorial team there are altogether 12 members; 04 Editors from USA, 01 from UK, 01 from Poland, 01 from Taiwan and 06 from India.

Earlier Dr.Das was Felicitated with 'Certificate of Honour' by Honble Ex-Higher Education Minister, Govt. of Tripura, Mr. Anil Sarkar at Govt. Degree College, Dharmanagar, North Tripura, Tripura, India, dated 27th Sept-2012 and recently Felicitated with 'Certificate of Honour' by the Honble Chief Minister of the State Mr.Manik Sarkar, Govt. of Tripura dated 07-08-2013 at Agartala Town Hall in All Tripura Mega Quiz -2013 organized by tripurainfo.com an esteemed news website.

Dr.Das told our correspondent that 'my eight new teaching methodologies are helpful for students at UG, G, and PG level for quickly determining (3 to 5 seconds) the problems and by using these new twelve (12) new formulae students can save up to 25-30 minutes time in the examination hall".

Dr.Das's innovations have been recognized by different academicians of different universities and IITs within the country and outside the country, namely, by Prof. P.K.Chattaraj, IIT Kharagpur, Prof. R. N. Mukherjee, Director, IISER, Kolkata and Formerly Head, IIT-Kanpur, Prof.A.T.Khan, Head, IIT Patna, Prof.G.N.Mukherjee, Calcutta University, Prof.A.K.Das, Ex-Vice Chancellor of Kalyani University, Prof. Md Ali, Jadavpur University, Prof. Nilasish Nandi, Kalyani University, Prof.R.A.Lal, Head, NEHU, Shillong, Prof.Samar Kumar Das, Hyderabad University, Prof. V.Jagannadam, Ph.D.,D.Sc., Osmania University, Prof. Partha Sarathi Mukherjee, Indian Institute of Science, Bangalore, Prof.R.K.Nath, Head, Tripura Central University and Dr. Satish Nimse, Hyllym University, South Korea.

'Quite naturally I am greatly enthused by these appreciations but I feel happier to think that my work will help the students learn easily', said Dr.Das.

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