Professor Ranjit K. Verma ***{M.Sc., Ph.D., F.I.C., F.I.S.C. (India), F.R.S.C. (London)}*** has served as the Founding Vice Chancellor of Munger University after being appointed by the Chancellor in consultation with the Chief Minister through a Search Committee mechanism for a three-year term. Earlier he did serve as the Pro Vice Chancellor of Patna University, Patna (7th oldest Indian University) during a three-year term (2014-17) after being appointed by the Chancellor through the same system.

As VC Munger University, he succeeded in revolutionising education in Munger University region by innovative practices (large number of reforms through automation and use of ICT. Achieved 120% rise in GER in that region. As the Pro VC of Patna University, he brought examinations on track bringing fairness in examinations, introduced combined entrance tests (CET) and introduced e-Commerce. He is now back to the University Dept. of Chemistry where he had been serving as Professor of Inorganic and Analytical Chemistry (1993-onwards). Prof Verma had successfully defended his Department to get the tag of "DST-FIST Sponsored" and had also won the privilege of "UGC-BSR Supported" for his Department. He had joined the Department as Lecturer in 1983 after serving the Department of Chemistry of H.D. Jain College, Ara (as Lecturer during 1977-1983) which is now under V K S University. Prof Verma had become Reader in 1986.

Prof Verma is an F.I.C. (Elected Fellow of Institution of Chemists), an F.I.S.C. (Fellow of Indian Science Congress) and an F.R.S.C. (Elected Fellow of Royal Society of Chemistry, London). Prof Ranjit Verma is among those internationally acclaimed scientists who are working in the field of Thermal Analysis. He formed a small thermal group in 1986 and slowly rose to international fame.

ROYAL SOCIETY OF CHEMISTRY

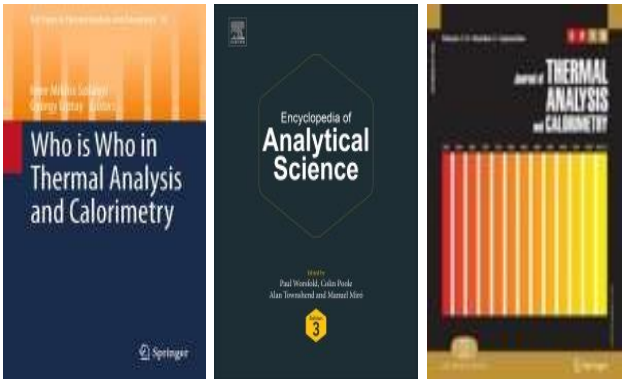
THE INDIAN SCIENCE CONGRESS ASSOCIATION
100 YEARS OF SERVICE TO THE NATION (ESTABLISHED 1914)

ICTAC
International Confederation for Thermal Analysis and Calorimetry

Presently, he is Vice Chairman of the Scientific Commission of the International Confederation for Thermal Analysis and Calorimetry (ICTAC)- the UN-affiliate (ICSU-IUPAC) professional body of scientists working in this area (www.ictac.org).

Earlier, he served as its Secretary(2012-16) and as a Member of its Scientific Award Commission (2008). He has also been serving ICTAC as the Chairman of Education Committee (2008-) and as an Affiliate Councillor. He was the Chairman of the Workshop on Challenges in Education in Thermal Analysis and Calorimetry at ICTAC-15 (2012) and Session Chair for Section of "Inorganic materials, geochemistry and ceramics" at ICTAC-16 (2016). He joined the Indian Thermal Analysis Society in 1991 and was its Vice President until March 2021. Prof Verma's name has been included in 'Who is who in Thermal Analysis' 2nded.[Series: Hot Topics in Thermal Analysis and Calorimetry; Publisher: Springer, Europe (List of World's top 350 Thermal Scientists),2014 [Editors: I.M.Szilagyi, G. Liptay].

It is based on the outstanding publicatio activity in thermal analysis, professiona activity, awards, etc. Prof Verma i Associate Editor for J. Therm. Anal Calorim. {(Springer, Europe); Impac Factor 2.731}. Earlier, he was Honorar Editor of the Journal of Indian Chemica Society (2007-10; Estd 1924), Regiona Editor of the J. Therm. Anal. Calorim.



(2010). He is an author of a chapter on Thermal Analysis in the 3rd Edition (2019) of Encyclopaedia of Analytical Science (Elsevier). In 2018, he was honoured with the Best PG Chemistry Teacher Award in State University Category in India by ACT (TIFR, Mumbai) during National Convention of Chemistry Teachers, R.I.E., Ajmer. He is also recipient of the ISCAS Gold Medal-2018 awarded by the Indian Association of Solid Sate Chemists and Allied Sciences, Jammu during its Nagpur Conference in 2019.

His research interests are in thermal analysis particularly its application in solid state kinetics and in preparation of nano-particles and finding their photoluminescence, magnetic and electrical properties. He organized two Symposia on Applications of Thermal Analysis and Calorimetry (SATAC-2010/ SATAC-2011) held in India at Chandigarh (29th ICC) and Patna (11th National Convention of Chemistry Teachers) respectively and, was the Chairman of the events besides being the Guest Editor of the Special issues/chapters devoted to the events in the J. Therm. Anal. Calorim. He was also a member of the IPC of International Conference of Coordination Chemistry. He has produced 11 Ph D's and has published/presented 85 papers.

Prof. Verma was earlier made the State Coordinator by the UGC for disbursement of UGC XI Plan Fund allocations for the 350+ colleges of Bihar (spreading over all the general nine universities) and became the first e-Text Book author from

Bihar for the 'Inorganic Chemistry e-Text Book' published by the Council of Scientific and Industrial Research (CSIR, Delhi) under the nsdl-project (National Science Digital Library- www.nsdl.niscair.res.in) of Govt. of India. He was the paper coordinator (Paper-XI) for the development of interactive e-text books for M.Sc. (Chemistry) students/teachers under the e-PG Pathshala project of the Ministry of Human Resource Development of the Govt. of India under their National Mission on Education through ICT (NME-ICT) project.(http://epgp.inflibnet.ac.in/view_f.php?category=666) and a Member of the Executive Committee/ Council of the Indian Science Congress Association (ISCA-the largest scientific organization of India having 50,000+ members) during the years 2006-2012 and 2013-2014. He has served its Honorary Treasurer (2016-19) too. He did act as the Sectional President/Sectional Scientist-in-charge of Inorganic Chemistry and Analytical Chemistry Sections of the national level annual conferences of Indian Council of Chemists (Presently its Vice President) and Indian Chemical Society (also as its Executive Council Member).

He was the Chair of the Verma Committee for Academic and Administrative Reforms of Magadh University and has served as the CCDC of that university for one term. He was also mentor and Member of the State Level Committees on Automation and Curricular Reforms. He is Visitor's nominee to the Central University, Sikkim (Gangtok) and to the Central University, Nagaland. He has attended HELA at TISS, Mumbai and another HELA at IIM, Noida Campus (2016). He is a Board Member of the Bihar School Examination Board, a Member of the University Advisory Committee of the Chancellor (Governor), Bihar and had been a Member of the State Higher Education Council, Bihar.

He has delivered several dozens of invited lectures at conferences, seminars and symposia in India and abroad (besides lectures in Refresher Courses in Universities in Bihar, UP, MP, Rajasthan etc.). He has widely travelled in India and abroad (including USA, France, Italy, Finland, Japan, Brazil, Chile, Peru, Hong Kong, Hungary etc.) and visited large number of universities. He is a motivational speaker and socially associated with Rotary International (he is a Paul Harris Fellow and two times Club President, 1990-91, 2012-13, was Assistant District Governor RI Dist 3250 in 2018-19) and Bharat Vikas Parishad (Past Zonal Secretary, Past State General Secretary, Present Regional Patron). He is also the President of Vidya Bharati, Bihar.

Some Representative Research Papers of Prof Ranjit K Verma:

SN	**Title**	**Name of Journal/ medium**	**Date**
1	"Thermal analysis of 2-oxocyclopentane-dithiocarboxylato complexes of iron(III),	*J. Thermal Analysis & Calorimetry (Springer) Impact factor2.731*	28.10.2008 [94(2008) 27-31]

	copper(II) and zinc(II) containing pyridine or morpholine as the second ligand"	*(English)*	
2	"Thermal, structural, magnetic and photoluminescence studies on cobalt ferrite nanoparticles obtained by citrate precursor method"	*J. Thermal Analysis & Calorimetry*	11.10.2012 [110(2012) 573-580]
3.	"Low temperature synthesis of hexagonal barium ferrite ($BaFe_{12}O_{19}$) nanoparticles by annealing at 450^0 C followed by quenching: A structural, thermokinetic, magnetic and photoluminescence study*"*	*J. Thermal Analysis & Calorimetry (Springer) (English)*	14.3.2017 [129(2017) 691-699]
4.	"Thermal, structural and magnetic studies on chromite spinel, synthesized by citrate precursor method and annealed at temperature 450^0C and 650^0C"	*J. Thermal Analysis & Calorimetry (Springer) (English)*	08.09.2011 [107(2012)197-204]
5.	"Thermal, XRD and magnetization studies on $ZnAl_2O_4$ and $NiAl_2O_4$ spinels, synthesized by citrate precursor method and annealed at temperature 450^0C and 650^0C"	*J. Thermal Analysis & Calorimetry (Springer) (English)*	04.09.2011 [107(2012) 205-210]
6.	**"**Thermal decomposition of complexes of cadmium(II) and mercury(II) with triphenylphosphanes"	*J. Thermal Analysis & Calorimetry (Springer) (English)*	05.12.2007 [90(2007) 725]
7.	**"**Non-isothermal dehydration and decomposition of dl-lactates of transition metals and alkaline earth metals- a comparative study"	*J. Thermal Analysis & Calorimetry (Springer) (English)*	01.05.2005 [80(2005) 351]
8.	"Thermoanalytical studies on non-isothermal dehydration and decomposition of dl-lactates of a series of transition metals"	*Indian Journal of Chemistry - Section A Inorganic, Physical, Theoretical and Analytical Chemistry* (CSIR, New Delhi)	01.12.2003 [42(A) (2003) 2982]
9.	**"**Kinetic and Mechanistic Studies on Non-isothermal Decomposition of Potassium Dioxalatocuprate(II) Dihydrate"	*Journal of the Indian Chemical Society*	01.05.1998 [75(5) (1998) 317]
10.	Kinetic parameters of thermal dehydration and decomposition from thermoanalytical curves of zinc dl-lactate	*Journal of the Indian Chemical Society*	01.03.1998 [75(1998) 162]
11.	"Thermal decomposition of potassium trioxalato chromate(III) trihydrate: A kinetic and mechanistic study",	*Asian J. Chemistry*	01.07.1996 [8(3)(1996)543]

12.	Synthesis and Characterization of Mono and Homo-Dinuclear, Cobalt(II), Nickel(II) and Copper(II) Complexes of the Schiff BaseDerived from 3-Formylsalicyclic Acid and Hydroxylamine Hydrochloride	*Asian J. Chemistry*	
13.	"A study of non-isothermal decomposition of calcium dl-lactate pentahydrate"	*Asian J Chem.*	6(1994)606
14.	"Kinetic parameters of thermolysis of complexes of rhodium(III), palladium(II) and platinum(II) with substituted morpholines from their non-isothermal thermogravimetric data",	*Asian J Chem.*	6(1994)130
15.	Synthesis and characterization of copper(II) complexes of 4-amino-3-hydrazino-5-mercapto-1,2,4-triazole	*Journal of the Indian Chemical Society*	69(1992) 577
16.	"Synthesis and characterization of mono and homo-dinuclear, cobalt(II), nickel(II) and copper(II) complexes of the Schiff base derived from 3-formylsalicyclic acid and hydroxylamine hydrochloride"	*Asian J Chem.*	9(3)(1997) 365
17	"A curriculum framework for education in Thermal Analysis",	*Journal of Materials Education*	*34 (2012) 133-150*
18	"A curriculum framework for education in Calorimetry"	*Journal of Materials Education*	34 (2012) 161-274
19	"Challenges in education in thermal analysis and calorimetry"	*J.Thermal Analysis & Calorimetry (Springer)(English)*	16.04.2013[113(2013) 1675]
20	"Designing core concepts for a tertiary basic chemistry course"	*The Chemist (USA)*	1.1.2014[87(2014)14]
21	"Challenges for chemical education: Engaging with green chemistry and environmental sustainability"	*The Chemist*	1.1.2013 86(2013)24]

Some path breaking precursor samples: