



**PROF. KAMAN SINGH**  
**Dean-School for Physical Sciences**  
**Surface Science, Catalysis and Electrochemistry Laboratory**  
**Department of Chemistry, School for Physical Sciences**  
**Babasaheb Bhimrao Ambedkar Central University**  
**Lucknow-226 025, India**

**(INSA visiting scientist under International Collaborative/ Bilateral Exchange Programme-2016  
Member Expert Committee on INSPIRE Awards, Department of Science & Technology, Govt. of India)**

Prof. Kaman Singh obtained his B.Sc. degree from Kumaun University, Nainital (1986), M.Sc. degree from University of Lucknow (1989) and Ph.D from National Sugar Institute, Kanpur (1994). He started his carrier as Assistant Professor of Physical Chemistry in M.P. Higher Education Service (1993) and moved on to University of Lucknow as Reader (2005). He became Professor in 2009 in the same Department. He was selected as Full Professor in Applied Chemistry (2011), School of Physical Sciences, B.B. Ambedkar Central University, Lucknow and became the founder Head of Department there. He is currently Dean, School for Physical Sciences B.B. Ambedkar Central University, Lucknow. During his entire professional carrier now spanning in more than two decades, Prof. Singh has continuously engrossed himself in frontline research in chosen areas particularly pertaining to the problems of synthesis and characterization of materials for their anticipated critical role in upgrading technology, advance surface chemistry & catalysis, sugar technology and solid state chemistry. He has 75 research papers in national and international Journals of repute and a patent to his credit. He has guided and supervised 10 research students for doctoral degrees.

Prof. Kaman Singh has delivered lectures in national and international conferences and visited Brazil, U.S.A., Germany, The Netherland, UK and China. He is currently on the Reviewers' panel on several peer journals.

As an administrator, Prof. Singh has proved his mettle too. He has been **Professor & Founder Head**, Department of Applied Chemistry, School of Physical Sciences, B. B. Ambedkar Central University during 2011-2014. During these initial years he was instrumental in right from setting academic agenda for the Department, students, admission and examinations, national and international conferences, and recruitment of personnel and staff and to

large scale procurement. He has initiated the ongoing process of developing the Department into an Advanced Centre for Surface Science and Nanotechnology in 12<sup>th</sup> five year plan of India with aplomb. He has been the **Coordinator** of Industrial Chemistry programme (course) at University of Lucknow (2006-2008), **Coordinator** of Ph.D. Course Work at University of Lucknow (2014-15 academic session), **Coordinator** of the Food Processing and Food Technology (2015-2016, RUSA), **Coordinator** (UP.JEE B.Ed Counselling-2015), **Deputy Coordinator** (SAP, UGC).

<b>Sl.No.</b>	<b>Membership of Learned Bodies</b>
1	Chairman- School for Physical Sciences, Babasaheb Bhimrao Ambedkar University ( A Central University) Lucknow-226025
2	The Sugar Technologists Association of India (STAI) Membership No. F-1243
3	The Indian Science Congress Association (ICSA), L-16566
4	The Indian Chemical Society (ICS), F/4897
5	The Material Research Society of India (MRSI), LMB-842
6	The Ultrasonics Society of India (USI)
7	Convener- International Conference on Chemistry and Materials-ICCMPP-2012
8	Chairman –Board of Postgraduate Studies (BPGS) - Department of Applied Chemistry, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow-226025 from <b>01.07.11- 30.06.14</b>
9	Chairman- DRC- Department of Applied Chemistry, Babasaheb Bhimrao Ambedkar University ( A Central University) Lucknow-226025 from <b>01.07.11- 30.06.14</b>
10	Member- School Board- School for Physical Sciences, Babasaheb Bhimrao Ambedkar University, ( A Central University) Lucknow-226025 from <b>01.07.11- 30.06.14</b>
11	Elected Member- Sectional Committee of the Section of Chemical Sciences (Indian Science Congress Association) for 2013-2014
12	Member-The Indian Thermodynamics Society, LM-255
13	Convener- National Conference on Thermodynamics of Chemical, Biological, Environmental Sciences (TCBES-2013)
14	Nominated Member – Indian National Committee of ICUMSA since 2003
15	Associate Referee- International Commission for Uniform Methods of Sugar Analysis (ICUMSA)
16	Convener and organized interactive session on “Crisis of North Indian Sugar Industry: Issues and Opportunities,” April 18, 2015.
17	Expert Jury- INSPIRE Awards-2010 (DST)
18	Organizing secretary- National Conference on Innovative Method on Chemistry Education-IMCE-2015 from October 8-10,2015
19	Convener-National Conference on Food safety and Consumer Awareness-2016 from Feb.21-22, 2016

## OVERSEAS VISITS

S. No.	Duration of the visit with dates	Name of the visit with dates	Name of the place	Name of the country	Purpose	Supervisor if any
1.	20-22 September, 2006	25 <sup>th</sup> ICUMSA session, 20-22, September, 2006	Aguas de Sao Pedro	Brazil	To represent issues related with Sugar industry and presentation of paper entitled " <b>Selection of pH for Measurement of Sugar Solution Colour</b> "	Associate Referee
2	September 30 October 03, 2008	26 <sup>th</sup> ICUMSA Session	Florida	USA	To present the report of the <b>Domestic Collaborative test</b> on a anti Hed "The Determination of ICUMSA Sugar Solution Colour at pH = 6.4	Associate Referee and Supervisor of the National Collaborative Study
3	July10-14, 2010	27 <sup>th</sup> ICUMSA Session, July10-14, 2010	Berlin	Germany	Official discussant	Associate Referee
<b>4</b>	<b>May 8-11, 2011</b>	<b>International Conf. on Colloids and Materials</b>	<b>Amsterdam,</b>	<b>The Netherland</b>	<b>To present papers</b>	<b>Paper presenter</b>
5	July 14-18, 2012	28 <sup>th</sup> ICUMSA Session, July 14-18, 2012	University of Cambridge	UK	Official discussant of Int. Collaborate Test done on per IUPAC/AOAC Protocols	Associate Referee
<b>6</b>	<b>July 27-30,2016</b>	<b>International Conference on Applied Surface Science (ICASS)</b>	<b>Shanghai</b>	<b>China</b>	<b>To present papers</b>	<b>Speaker</b>
7	May 21- June 3 2016	INSA Int. Bi-lateral exchange Programme	Mauritius	University of Mauritius	To work on surface and catalysis (Modeling studies)	INSA Scientist

\* International Commission for Uniform Methods of Sugar Analysis

## Annexure II

**Publication: 75 publications in National / International Referred Journals**  
**Conference Attended: 60**  
**Patent: 01**

**Article Related with Public Interest**

<b>1</b>	bDdhloha lnh dh izkS ksfxdh esa u;s dkcZu inkFkksZa dh Hkwfedk	Kaman Singh	Yojana, Dec. 2012, No.12,53-55, ISBN -0971-8397
<b>2</b>	Fluoride Scenario: Some Preventive Steps	Kaman Singh	Yojana, June 2004, Vol 48, No 6, p 47
<b>3</b>	Kya sheetal pai mai estamal ghatak keetnassako ke liya uttradayi hai?	Kaman Singh	Cooperative Sugar, 2009,40, 69-70

**Achievements / Awards**

1. Selected for INSA visiting scientist under International Collaborative/ Bi-lateral Exchange Programme-2016.
2. Awarded STAI Medal in 2005 (The Sugar Technologists' Association of India, New Delhi)
3. **DETAILS OF COMPLETED / ONGOING RESEARCH PROJECTS**

S.No.	Name of the Project	Funding Agency	Sanctioned Grant-in-Aid
<b>1</b>	Potential of agricultural byproduct based activated carbons for adsorption of sugar phenolics and amino acids	UGC, New Delhi Ref: 34-343/2008(SR)	Rs. 8,54,800/-
<b>2</b>	Decolorization of sugar by adsorption studies employing cost effective adsorbents	Ministry of Consumer Affairs, Food & Public Distribution Government of India SDF-6-2/2007	Rs. 8,10,000/-
<b>3</b>	Electro-physical studies in characterization of sugar crystal (co-supervisor)	UGC, Regional Office, M. P.- 2003-04	200000/
<b>4</b>	National seminar on chemistry of environmental pollution with particular emphasis on water pollution	UGC, Regional Office, Bhopal (MP) -2005	Rs. 100000/
<b>5</b>	*Selection of pH for measurement of sugar solution colour	Sugar Technologists' Association of India, New Delhi Ref: STAI/ ICUMSA-43/2006	Expenditure incurred By STAI, EXIM, ISMA, NFCSFL, New Delhi
<b>6</b>	Application of non-chemical devices in sugar processing (evaluation of FFC technology)	R & D Initiative of the Sugar Technologists' Association of India, New Delhi	Expenditure incurred by STAI and Hi-Tech Engineers' Surat, Gujrat

\*This Proposal of the undersigned has been recommended for International Collaborative Testing as per IUPAC Protocol under the auspices of the International Commission for Uniform Methods of Sugar Analysis (ICUMSA). This paper was presented at Sao Paulo, Brazil (2006).

**(PROF. KAMAN SINGH)**