## Ph.D. Awarded

SI. No.	Name of the Student	Name of the Supervisor	Title of the thesis	University	Year of Award	Photo
1.	Archana Kumari	Dr. Poonam Kakkar	Studies on the mitochondrial redox regulation during hepatotoxicity.	CSJM University, Kanpur	2012	
2.	Deepak Gurbani	Dr. Alok Dhawan	Molecular mechanism of quinine induced DNA damage and repair	Jamia Hamdard, New Delhi	2012	
3.	Ritesh K Shukla	Dr. Alok Dhawan	Invitro and invivo toxicity studies of engineered nanoparticles	Jamia Hamdard, New Delhi	2013	
4.	Poonam Singh	Dr. Alok Dhawan	Molecular approaches for elucidating toxicity of agrochemicals	Jamia Hamdard, New Delhi	2012	
5.	Manish Mishra	Dr. D. Kar Chowdhuri	Cellular and molecular studies on DNA damage in Drosophila melanogaster by Dichlorvos and Cr(VI)	University of Lucknow, Lucknow	2012	
6.	Anurag Sharma	Dr. D. Kar Chowdhuri	Study of stress response against environmental chemicals in <i>Drosophila melanogaster</i>	Jamia Hamdard, New Delhi	2013	
7.	N. Manickam	Dr. Rishi Shanker	Isolation and characterization of bacterial strains and their genes involved in degradation of Hexachlorocyclohexane	Guru Nanak Dev University, Amritsar	2012	
8.	Shilpa Tyagi	Dr.Yogeshwer Shukla	Evaluation of transforming potential of selected pesticides and intervention of carcinognenesis through RNA silencing and phytochemical	Jamia Hamdard, New Delhi	2012	



SI. No.	Name of the Student	Name of the Supervisor	Title of the thesis	University	Year of Award	Photo
9.	Smita Khanna	Dr. S. Khandelwal	Cadmium induced testicular toxicity and its molecular mechanisms: Attenuation by picroliv	HNB Garhwal University, Srinagar	2013	8
10.	Abhishek Kumar Singh	Dr. A.B. Pant	Study of cytochrome P450s in differentiating neuronal cells derived from human hematopoietic stem cells	Jamia Hamdard, New Delhi	2013	
11.	Anand Kumar Singh	Dr. M.P. Singh	A study on the involvement of toxicant responsive genes and proteins in cypermethrin induced neurodegeneration: a molecular approach	Banaras Hindu University, Varanasi	2013	
12.	Amit Sharma	Dr. D. Parmar	Studies to validate expression of cytochrome P450s in blood lymphocytes as a biomarker	Jamia Hamdard, New Delhi	2013	
13.	Rajesh Singh Yadav	Dr. V.K. Khanna	Efficacy of curcumin and selected natural extracts against neurobehavioral toxicity of arsenic and monocrotophos	Jamia Hamdard, New Delhi	2012	
14.	Sushil K. Tripathi	Dr. K.C. Gupta	Non-viral vectors for efficient delivery of nucleic acid	University of Pune, Pune	2012	
15.	Ritu Goyal	Dr. K.C. Gupta	Nano particles based carriers for gene delivery	University of Pune, Pune	2013	

#### **Honours & Awards**

# IITR Scientists being conferred honours and awards



Dr. Girish sahani honouring Dr. K.C. Gupta for his three best papers



Dr. D. Parmar being conferred with Fellow of Society of Toxicology



The founder editor of Ind. J. Biochem. Biophys honouring Dr. Poonam Kakkar for her highest cited paper



Dr. Rajnish Chaturvedi receiving the INSA Young Scientist Award



### Honours and Awards



#### Dr. K.C. Gupta

- Received AEB Honour Award during satellite symposium of Academy of Environmental Biology on "Sustainable development and environment" held at CSIR-IITR, Lucknow.
- Received awards for three papers out of the five highest impact factor publications by CSIR-IITR (2012).



#### Dr. Mukul Das

- Appointed Editorial board member of the following journals:
  - International Journal of Clinical Pharmacology & Toxicology
  - World Journal of Methodology
  - Prudence Journal of Biochemistry & Biotechnology
- Dr. Mukul Das delivered the 13th Alumni Oration of Alumni Association of Department of Biochemistry (AADB), University of Lucknow, on March 16, 2013.



#### Dr. Poonam Kakkar

- Awarded by CSIR-NISCAIR and IITR for being the author of the highest cited paper in the 70 years history of CSIR (2012). This is the only paper amongst 38 papers with more than 1000 citations published by an Indian author in an Indian Journal.
- ☐ Elected Fellow of the Society of Toxicology (STOX), India (2012)
- Appointed by DST as member of the subject expert committee on Life Sciences for Women Scientist Scheme: WOS-A (2013-16).
- ☐ Elected executive council member of Society for Free Radical Research-India.



#### Dr. D. Kar Chowdhuri

Elected General Secretary (Executive Council), Indian Society of Cell Biology (ISCB) for the period 2012-13.

#### **Honours & Awards**



#### Dr. Kr. P. Singh

- Served as member of the CSIR HRDG Committee on Earth and Environmental Sciences (2011-2014).
- Appointed member, State Environmental Impact Assessment Authority (SEIAA), UP (2011-2014).
- Two research papers listed under TOP (leading) 35 research papers published by CSIR during last 70 years (1942-2012).



#### Dr. Iqbal Ahmad

- □ Elected Fellow of Academy of Environmental Biology, India (2012).
- Awarded medal for one amongst five highest impact publications of CSIR-IITR on November 4, 2012.
- ☐ Served as Member, Editorial Board for the following journals

American Journal of Cancer Therapy and Pharmacology

BioMed Research International

Trends in Life Sciences

Chinese Journal of Cancer Research



#### Dr. Alok Dhawan

- □ Elected, Fellow of Gujarat Academy of Sciences, India, 2013
- Awarded VLife Sciences Best Publication Award 2013 for the paper entitled "Mechanism of Inhibition of the ATPase Domain of Human Topoisomerase IIa by 1,4-Benzoquinone, 1,2-Naphthoquinone, 1,4-Naphthoquinone, and 9,10-Phenanthroquinone"
- ☐ Served as Member, Editorial Board of the following journals:

Mutagenesis, published by the Oxford University Press, UK.

Mutation Research Reviews, published by Elsevier, USA.

Guest Editor for a Special Issue on Nanotechnology of the journal, 'Proceedings of the National Academy of Sciences, Section India B: Biological Sciences', Volume 82 Supplement 1, October 2012.



Dr. N. Manickam

Appointed member of Special Task Force on "Bioremediation Technologies" under Department of Biotechnology (DBT), Ministry of Science and Technology, New Delhi.





#### Dr. AB Pant

- Received National Bioscience Award for Career Development 2012 of Department of Biotechnology, Ministry of Science & Technology, Government of India, New Delhi.
- Appointed member Research Council of Dr. Ram Manohar Lohia Institute of Medical Sciences & Research, Lucknow (UP).
- Appointed executive editor of Journal of Clinical Toxicology.
- Appointed member advisory board, Journal of Toxicology Research.



#### Dr. Rajnish Chaturvedi

- Received NASI-Young Scientist Platinum Jubilee Award-2013, in the field of Biomedical, Molecular Biology and Bio-technology.
- Conferred with Gauri Ganguly Memorial Young Scientist Award-2012 of Indian Science Congress Association (ISCA), Kolkata.
- Appointed as Editorial Board Member of the following journals:

Evidence based complementary and alternative medicine (Hindawi press)

Neural Plasticity (Hindawi press)

BioMed Research International (Hindawi press)

Journal of Chemical Neuroanatomy (Elsevier press)



#### Dr. M.K.R. Mudiam

Received the Young Scientist Award for best Oral Presentation for the paper entitled "Gas chromatography-mass spectrometry based metabolomic approach for optimization and evaluation of earthworm sub-lethal responses to carbofuran" at International Conference on Environmental Impact on Human Health and Therapeutic Challenges (ICEHT-2012) and 6th Annual Convention of Association of Biotechnology and Pharmacy (ABAP) held at Department of Virology, Sri Venkateswara University, Tirupati during December 20-22, 2012.



#### Dr. Lipika Ray

- Received "Young scientist award" for her presentation entitled "Enhanced targeted anticancer activity of doxorubicin in Ehrlich's ascites tumors by green tea polyphenol" at the XXXII Annual Meeting of Society of Toxicology (STOX -2012) held during December 05-07, 2012 at Lucknow.
- She also won the IIT Bombay Best Research Paper Award on December 2012 for the paper entitled "Palladium(II) and gold(I) complexes of a new O-functionalized N-heterocyclic carbene ligand: synthesis, structures and catalytic application" Organometallics 2007, 26, 958–964.

#### **Honours & Awards**



#### Mr. Sandeep Mittal

Received the best poster award for his paper entitled "Induction of oxidative stress and DNA damage due to Cerium Oxide nanoparticles which leads to mitochondria mediated apoptosis in human lung alveolar cell line" presented at "Nanotoxicology 2012 - The 6th International Conference on Nanotoxicology". September 4-7, 2012. Beijing, China



#### Mr. Arvind Shukla

Awarded Prof. A.S. Mukherjee Memorial Award for the best platform presentation entitled "Drosophila mth mutant resists paraquat induced Parkinsons' like symptoms" during XXXVI All India Cell Biology Conference & International Symposium on Stress Adaptive Response and Genome Integrity (SARGI) held at Bhabha Atomic Research Centre, Mumbai from October 17-19, 2012.



#### Ms. Fatima Rizvi

Received the "Young Scientist Award" for her work entitled, "Akt and Fin kinase influence nuclear translocation of Nrf2 and its regulated cellular antioxidant and detoxification system" during the International conference on Advances in Free Radicals, Redox Signaling and Translational Antioxidant Research (SFRR STAR 2013) at Lucknow during Jan 30-Feb 01, 2013.



Ms. Gulshan Singh

Received the best Poster Presentation Award at the XXXII Annual Meeting of Society of Toxicology, India (STOX) held at CSIR-IITR, Lucknow during December 5-7, 2012.





#### Mr. Amit Kumar Srivastava

Received the "Young scientist award" for his paper entitled "Evaluation of cytotoxicity and genotoxicity in mancozeb exposed agricultural workers" coauthored with Sanjay Mishra, Wahid Ali, Yogeshwer Shukla at the XXXII Annual Meeting of Society of Toxicology (STOX - 2012) held at CSIR-IITR, Lucknow during December 05-07, 2012.



#### Mr. Shankar Suman

Received the "Best Poster award" for the poster entitled "Proteome profiling of North Indian breast cancer patients towards development of panel of biomarkers" at the XXXII Annual Meeting of Society of Toxicology (STOX -2012) held at CSIR-IITR, Lucknow during December 05-07, 2012.



#### Ms. Sakshi Mishra

- Received the best poster presentation award for the posters entitled "Deoxynivalenol dermal cell proliferation via modulation of mitogen activated protein kinase pathway in mice" at the XXXII Annual Meeting of Society of Toxicology India (STOX-2012) held at CSIR-IITR, Lucknow during December 05-07, 2012.
- □ She also received best poster award for her paper entitled "Role of reactive oxygen species in Deoxynivalenol induced oxidative stress and DNA damage in human keratinocytes" at the International conference on Advances in Free Radicals, Redox Signaling & Translational Antioxidant Research (SFRR − STAR 2013) held at Lucknow during Jan 30 Feb 01, 2013.



#### Ms. Shruti Singh

Received the "Best Poster Award" for her paper entitled, "p21 protects against oxidative stress by upregulating Nrf2 signaling pathway: confirmation of in vitro findings by in silico docking" during the International conference on Advances in Free Radicals, Redox Signaling and Translational Antioxidant Research (SFRR STAR 2013) held at Lucknow during Jan 30-Feb 01, 2013.

### Visits Abroad



#### Dr.K.C.Gupta

- Antalya, Turkey under Collaborative Project NanoLINEN funded under New INDIGO
   Scheme of European Union from April 27-30, 2012
- Finland, to attend a meeting of the project entitled "Advanced microbial quality monitoring and hygienization techniques for secure water trading (AQUATEST) from October 8-11, 2012
- Taiwan, to attend and deliver an invited talk at the joint India-Taiwan workshop on Nanotechnology: Environment Health and Safety (Nano-EHS) from December 13-15, 2012



#### Dr. Alok Dhawan

Antalya, Turkey under NanoLINEN research project funded under the New INDIGO programme of the European Union from April 26-30, 2012



#### Dr. Poonam Kakkar

- Helmholtz Zentrum, Munich, Germany, under INSA Bilateral Exchange of Scientists, programme from Jun 04-24, 2012.
- Visited University of Maniz, Germany to deliver an invited talk June 14-16, 2012.



#### Dr. Rishi Shanker

- Antalya, Turkey under NanoLINEN research project funded under the New INDIGO programme of the European Union from April 26-30, 2012 to chair a session and deliver a lecture.
- Finland, attend the 'Workshop on Bionanosensors' and 'Nanoscience Days' under the project entitled "Advanced Microbial Trading" (AQUATEST) from October 8-11, 2012.
- □ Taipei, Taiwan to attend the Joint India Taiwan Workshop on Nanotechnology: Environment, Health and Safety (Nano-EHS) from December 13-15, 2012 and deliver an invited talk.





Dr. Iqbal Ahmad

China, to deliver an invited talk at the World Congress Nanomedicine-2012 from October 31 - November 5, 2012.



Dr. R.C.Murthy

BIPM, Paris, to participate in the CCQM-WG meeting from April 16-18, 2012.



#### Dr. Sanghamitra Bandyopadhyay

Vienna, Austria, to deliver an oral presentation at the International Conference on Progress in Bone and Mineral Research from November 29-December 1, 2012.



#### **Dr.Vikas Srivastava**

Berlin, Germany, to participate in the 24th International Congress of the Transplantation Society Meeting from July 15-19, 2012.

### Externally Funded Research Projects

SI. No.	Title	Client	Principal Investigator	Start Date	Value in Rs. (Lakhs)
1.	Toxicity testing of SF6 gas as per IEC 376	Chemical Engg. Division, BARC, Mumbai	Dr. R.C. Murthy	01-Apr- 2012	200000.00
2.	Fibre count in 20 slides	North East Roofing Pvt. Ltd. Assam	Dr. Iqbal Ahmad	01-Apr- 2012	110000.00
3.	Third party monitoring and testing of stack emission, ambient air, water effluents and preparation of annual environmental audit report of PTPP, Parichha, Jhansi	Executive Engineer, Central Works Contract Div. PTPP, Jhansi	Dr. G.C. Kisku	01-Apr- 2012	1048500.00
4.	Monitoring of ambient air quality, stack emission, noise and waste water of Omax Auto Ltd., Lucknow	Omax Auto Ltd., Lucknow	Dr. S.C. Barman	01-Apr- 2012	213000.00
5.	Monitoring of environmental parameters	M/s Aditya Birla Chemicals (India) Ltd., Renukoot	Dr. G.C. Kisku	01-Apr- 2012	453150.00
6.	Studies on alterations in molecular events involved in developmental neuro-toxicity of cypermethrin	Department of Biotechnology, New Delhi	Dr. D. Parmar/ Dr. Sanjay Yadav	17-Apr- 2012	4711000.00
7.	Analysis of fruit and vegetable samples	Defence Institute of Bio-energy Research, Haldwani	Dr. R.C. Murthy	01- May- 2012	79664.00
8.	MicroRNAs: role in the regulation of self renewal and differentiaition of breast cancer stem cells Women Scientist Scheme-A (WOS-A)	Department of Science and Technology, New Delhi	Dr. Madhulika Singh/ Dr. Yogeshwar Shukla	01- May- 2012	840000.00
9.	Analysis of Physicochemical parameters and metals in water and soil samples of Distt. Sant Kabir Nagar, Siddhartha Nagar, Basti	Ground Water Department, Basti	Dr. Kr.P. Singh	01- May- 2012	121395.00
10.	Assessment of immunological response in the pathogenesis of Argemone oil poisoning	Science & Engineering Research Board, New Delhi	Dr. Anurag Tripathi	01- May- 2012	200000.00
11.	Monitoring of pollution parameters by third party	NTPC Rihand STPS, Sonebhadra	Dr. G.C. Kisku	01- May- 2012	975000.00
12.	Preparation of environmental audit reports on annual, quarterly and monthly basis	Central Work Contract Div. Panki Thermal Power Station Panki Kanpur	Dr. G.C. Kisku	01- May- 2012	700800.00



01						
SI. No.	Title	Client	Principal Investigator	Start Date	Value in Rs. (Lakhs)	
13.	Monitoring of environmental parameters at Meja Thermal Power Plant	Meja Urja Nigam Pvt. Ltd., Allahabad	Er. A.H. Khan	01-Jun- 2012	280000.00	
14.	Advance microbial quality monitoring and hygienization techniques for secure water trading (AQUATEST)	Department of Science and Technology, New Delhi	Dr. Rishi Shanker	01-Jul- 2012	2520160.00	
15.	Analysis of oxytocin in bottle gourd samples	Indian Institute of Vegetable Research, Varanasi	Dr. Mukul Das	01-Jul- 2012	50180.00	
16.	Role of chemokines in lead, cadmium and arsenic mixture induced brain damage	Indian Council of Medical Research, New Delhi	Mr. Sachin Tripathi/ Dr. S. Bandyopadhyay	27-Jul- 2012	139600.00	
17.	Sampling and testing of polluted water, ambient air and stack of units	Executive Engineer, CWCD-1 Obra Thermal Power Station UPRVUNL, Obra	Er. A.H. Khan	01- Aug- 2012	509000.00	
18.	Monitoring of environmental parameters at NTPC Ltd. Auraiya	Manager (CSM) Auraiya Gas Power Station NTPC Ltd., Auraiya	Dr. G.C. Kisku	01- Aug- 2012	432432.00	
19.	Analysis of water samples from identified parks of Gomti Nagar and Indira Nagar, Lucknow	Director, Ground Water Department, Lucknow	Dr. Kr.P. Singh	01- Sep- 2012	233836.00	
20.	Monitoring of environmental parameters at HTPS, Kasimpur (preparation of half yearly environmental audit compliance report)	HTPS, UPRVUNL, Kasimpur	Dr. S.C. Barman	01- Sep- 2012	1224800.00	
21.	Perinatal viral infection: neuroimmunological, molecular and cognitive consequences during development adulthood and senility in mice	Department of Biotechnology, New Delhi	Dr. Vinay K. Khanna	01- Sep- 2012	2414000.00	
22.	Functional characterization of brain cytochrome P-450s in differentiating neuronal and glial cells-derived from human umbilical cord blood stem cells	Department of Science and Technology, New Delhi	Dr. A.B. Pant	19- Sep- 2012	4257600.00	
23.	Toxicological test for polyaluminium chloride	The Andhra Sugar Ltd. Saggonda West Godavari Distt. (A.P.)	Dr. Akshay Dwarakanath	01-Oct- 2012	539328.00	
24.	Epigenic changes in granulocyte macrophage colony stimulating factor: role of these changes in carry over of chronic obstructive pulmonary disease	Indian Council of Medical Research, New Delhi	Ms. Mamta Shukla/ Dr. B.N. Paul	01-Oct- 2012	139600.00	

### Externally Funded Projects

SI.	Title	Client	Principal	Start	Value in Rs.
No.			Investigator	Date	(Lakhs)
25.	Identification and validation of early biomarkers for predicting toxicity including precardionogenic lesions in individuals occupationally exposed to polycyclic aromatic hydrocarbons (PAHs) and through tobacco use	Indian Council of Medical Research, New Delhi	Dr. D. Parmar	01-Oct- 2012	3345483.00
26.	Long term safety and toxicity test of Shellac	IINRG, Ranchi	Dr. Akshay Dwarakanath	01-Oct- 2012	650000.00
27.	Annual monitoring of environmental parameters at ITI Manakpur	ITI, Manakpur	Er. A.H. Khan	01-Oct- 2012	255000.00
28.	Sub acute oral toxicity studies	Sami Labs Ltd., Bangalore	Dr. Akshay Dwarakanath	29-Oct- 2012	525844.00
29.	Monitoring of environmental parameters at Hindalco Renukoot	Hindalco Industries Ltd., Renukoot	Dr. S.C. Barman	01- Nov- 2012	340700.00
30.	Toxicity studies on olepent cream	Sami Labs Ltd., Bangalore	Dr. Dhirendra Singh	01- Dec- 2012	105168.00
31.	Third party testing and monitoring of stack, ambient air, water effluent, drinking water with preparation of environmental audit statement	Executive Enginner CWCD-II ATPS, UPRVUNL, Anpara, Sonebhadra	Dr. S.C. Barman	01-Jan- 2013	11521000.00
32.	Role of phytochemicals for the protection of human skin against harmful effect of solar ultra violet radiation	Department of Biotechnology, New Delhi	Mr. Hari Narain Kushwaha/ Dr. R.S. Ray	01-Jan- 2013	216000.00
33.	Safe water for the future through Indo-OZ Network (Aus Aid Agreement (60806)	CSIRO, Australia	Dr. Y. Shukla	30-Jan- 2013	550666.00
34.	Sub acute oral toxicity studies (90 day repeat dose) reproductive toxicity studies	Sami Labs Ltd., Bangalore	Dr. Mahadeo Kumar	01- Mar- 2013	1505624.00
35.	Development of multi functional magneto-polymeric nanohybrids for cancer diagnosis and therapy	Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore	Dr. Deepsikha Bhattacharya/ Dr. K.C. Gupta	13- Mar- 2013	35000.00



### NABL Certificates



रा.प्र.प्र.बो.

राष्ट्रीय परीक्षण और अंशशोधन प्रयोगशाला प्रत्यायन बोर्ड विज्ञान एवं प्रौद्योगिकी विभाग,भारत

प्रत्यायन प्रमाण-पत्र

भारतीय विष-विज्ञान अनुसंधान संस्थान

का मूल्यांकन और प्रत्यायन निम्न मानक के अनुसार आई.एस.ओ./आई.ई.सी. 17025:2005

"परीक्षण एवं अंत्रजोधन प्रयोगजालाओं की सकता की सामान्य अपेकाएँ" लखनऊ

> में स्थित इसकी मुविधाओं के लिए जैविकीयं परीक्षण

के क्षेत्र में किया गया।

जारी करने की तिथि 23/04/2010

विधता की तिथि 22/04/2012

यह प्रमाण-धन उपर्युक्त मानक तथा राष्ट्रीय परीक्षण और अंत्रात्रोधन प्रयोगत्राला प्रत्यायन बोर्ड की अतिरिक्त अपेक्षाओं का निरंतर संतीषप्रद अनुपालन किए जाने पर अनुबंध में निर्दिष्टानुसार प्रत्यायन के क्षेत्र के लिए वैध रहेगा। रा.प्र.प्र.बो. की ओर से इस्ताइरित

संयोजक

निदेशक



National Accreditation Board for Testing and Calibration Laboratories

Department of Science & Technology, India

#### CERTIFICATE OF ACCREDITATION

#### INDIAN INSTITUTE OF TOXICOLOGY RESEARCH

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005 "General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

LUCKNOW

in the field of

**BIOLOGICAL TESTING** 

Certificate Number T-0255

23/04/2010

Valid Until 22/04/2012

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the additional requirements of NABL.

Signed for and on behalf of NABL

Dr. Aparna Dhawan

Dr B. Hari Gopal



### रा.प्र.प्र.बो.

राष्ट्रीय परीक्षण और अंश्शोधन प्रयोगशाला प्रत्यायन बोर्ड विज्ञान एवं प्रौद्योगिकी विभाग,भारत

प्रत्यायन प्रमाण-पत्र

भारतीय विष-विज्ञान अनुसंधान संस्थान

का मूल्यांकन और प्रत्यायन निम्न मानक के अनुसार

आई.एस.ओ./आई.ई.सी. 17025:2005 "परिवन एवं अंशर्वधन प्रयोगतालाओं की सकता की समान्य अपेकाएँ"

लखनऊ

में स्थित इसकी सुविधाओं के लिए रसायनिक परीक्षण

के क्षेत्र में किया गया।

U- 0256 जारी करने की तिथि 23/04/2010

वैद्यता की तिथि 22/04/2012

यह प्रमाण-पत्र उपर्युक्त मानक तथा राष्ट्रीय परीक्षण और अंजजीधन प्रयोगज्ञाला धन्यायन बोर्ड की अतिरिक्त अरोक्षाओं का निरंतर संतीयप्रद अनुपालन किए जाने पर अनुबंध में निर्दिच्यानुसार प्रत्यायन के क्षेत्र के लिए वैध रहेगा। रा.प्र.प्र.बो. की ओर से हस्तावारित



National Accreditation Board for Testing and Calibration Laboratories Department of Science & Technology, India

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This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the additional requirements of NABL. Signed for and on behalf of NABL

Dr. Aparna Dhawan

Dr B. Hari Gopal