

Brief Biodata

Name: Chatar Singh

Designation:	Technical Officer	
DP No. and Name:	1.08, Fluid Flow Metrology Section	
DU No. and Name:	DU#1, Physico Mechanical Metrology Division	
Email:	chauhancs@nplindia.org	
Date of Joining CSIR-NPL:	05.06.2009	
Phone (office)	+91-011-45608583	
Mobile (optional)	-	

Research Area/ Interest

Fluid Flow Metrology

Educational Qualifications

(Please write latest qualification first)

Degree	Subject	University/ Institute	Year
B.Tech.	Electronics and Communication Engineering	Delhi Technological University (formerly delhi college of Engineering)	2014
Three Years Diploma	Electronics Engineering	U.P.Board of Technical Education, Lucknow	2001
Inter mediate	Maths Group	U.P. Board, Allahabad	1998
High School	Science Group	U.P. Board, Allahabad	1995

Academic / Research Experience

Grade / Post	Institute	Duration		Research Field
		From	To	
Technical Officer	CSIR -NPL	05.06.2016	Till date	Fluid Flow Metrology
Technical Assistant	CSIR -NPL	05.06.2009	05.06.2016	Fluid Flow Metrology
TCM (RADAR)	510 Army Base Workshop, Meerut Cant	28.11.2005	04.06.2009	Testing & Servicing of Anti Tank Guided Missile Launchers, Field Level Testing Equipments etc.
Assistant Engineer	Moser Baer India Ltd, Greater Noida	10.01.2005	20.11.2005	Production of DVD-R (Line Incharge)

Junior Engineer	Pep Infotech Limited, Meerut	08.01.2002	31.12.2004	Testing and R&D work of EPABX and PCO machines
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No. of Publications: 15

No. of Publications in SCI Journals	No. of Publications in non-SCI Journals	No. of Publications in Conference Proceedings	Books	Total
-	-	15	-	15

Selected Publications

1. Chatar Singh, Sanjeet Kumar, Shiv Kumar Jaiswal and Sanjay Yadav, "Upgraded Primary Water Flow Calibration Facility at NPLI", presented in the 6th National Conference on Advances in Metrology (AdMet-2020), held at National Physical Laboratory, New Delhi from January 4-6, 2020.
2. Shiv Kumar Jaiswal and Chatar Singh "Recent Developments in Fluid Flow Metrology at NPLI and Future Perspectives" presented in the 5th National Conference on Advances in Metrology (AdMet-2017), held at The North Cap University, Gurgaon from **23-25 March 2017**.
3. Shiv Kumar Jaiswal, I.S. Taak and Chatar Singh, "Establishment of the Gas Flow Calibration Facility at CSIR-NPL, India" Proc. 2015 NCSL International Workshop and Symposium, held at Grapevine, Texas, USA from July 19-23, 2015.
4. Shiv Kumar Jaiswal, I.S. Taak, Chatar Singh, Sanjay Yadav, A.K. Bandyopadhyay, Sanjay Sharma and Ravinder Agarwal, "Development of prototype of an Automatic Water Flow Measurement Measurement System", presented in the 3rd National Conference on Advances in Metrology (AdMet-2014) held at Thapar University, Patiala from February 19-21, 2014.
5. S.K. Jaiswal, I.S. Taak, Chatar Singh, Dalip Sharma and A.K. Bandyopadhyay, "The Fluid Flow Measurement Standard at National Physical Laboratory, New Delhi" presented in NCSLI 2010 Workshop and Symposium, held at Providence, USA from July 25-29, 2010.

Patents

Nil

Current Activities

(Not more than 100 words)

At present, I am working in Fluid Flow Metrology Section and responsible for establishment, maintenance, upgradation of primary & national standards of water and gas flow. I have contributed significantly for establishment of Gas Flow Calibration Facility and upgradation of Primary Water Flow Calibration Facility and Water Meter Testing Facility. Also contributed in International Intercomparison of water and gas flow to support CMC claims.

Honour(s)/Award(s)/ Fellowship(s)

NA

Contributions to AcSIR

In AcSIR program, I help the students in practical demonstration of fluid flow experiments.

Membership of Professional Societies/ Institutions

Life Member, Metrology Society of India

Any other Information

(Not more than 100 words)

Nil