


Brief Biodata

Name: Atul Suresh Somkuwar

Designation:	Scientist	
DP No. and Name:	2.03 AC Power & Energy Metrology	
DU No. and Name:	2.0 Electrical & Electronics Metrology	
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Date of Joining CSIR-NPL:	20 th Sep 2018	
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Research Area/ Interest

- Precision Measurement
- Power & Energy Metrology
- Electrical Measurement
- Optical Imaging: Imaging through scattering media
- Holography

Educational Qualifications

(Please write latest qualification first)

Degree	Subject	University/ Institute	Year
M. TECH.	Optical Engineering	Indian Institute of Space Science and Technology, Thiruvananthapuram	2015
B.E.	Electronics & Tele Communication	Govt College of Engineering, Karad	2011

Academic / Research Experience

Grade / Post	Institute	Duration		Research Field
		From	To	
Research Scholar	Ulsan National Institute of Science and Technology (UNIST), South Korea	2017	2018	Optical Imaging, Imaging through scattering media, polarization encryption
JRF	IIT Hyderabad	2016	2017	Optical Imaging

No. of Publications

No. of Publications in SCI Journals	No. of Publications in non-SCI Journals	No. of Publications in Conference Proceedings	Books	Total
2		1	1	4

Selected Publications

1. Holographic imaging through a scattering layer using speckle interferometry
2. Imaging through scattering media using digital holography
3. Jones matrix imaging for transparent and anisotropic sample

Patents

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Current Activities

(Not more than 100 words)

- Development, maintenance, up-gradation of national standards for ac power & energy
- Testing of single/three phase energy meters
- Maintenance, up-gradation of national standards for ac power & energy parameters
- Dissemination of measurement traceability
- Calibration and testing Services to the industries as well as to SAARC nations
- National facility creation for EMI/EMC Measurement Facilities upto 40GHz for Testing of Energy meters
- Establishment of testing of smart energy meters as per requirements of power industries/manufacturers
- CMCs for Harmonics measurement
- Participation in international inter-comparisons for power & energy parameter

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

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Contributions to AcSIR

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Membership of Professional Societies/ Institutions

- Member of Metrology Society of India
- Member of Electrotechnical Department ETD 51: Electrotechnology in Mobility

Any other Information

(Not more than 100 words)