


## Brief Biodata

**Name: Dr. Ramil Kumar Bhardwaj**

<b>Designation:</b>	Sr. Technical Officer	
<b>DP No. and Name:</b>	6.03 Electromagnetic Metrology Section	
<b>DU No. and Name:</b>	6 Indian Standard Time Division	
<b>Email:</b>	bhardwrk@nplindia.org	
<b>Date of Joining CSIR-NPL:</b>	31-03-2006	
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### Research Area/ Interest

Chemical analysis, BND, Calibration, Electromagnetic Metrology activities and Preparation of TEL

**Novel approaches for solar energy conversion** - Technologies and products for solar energy utilization through networks (TAPSUN) - a CSIR Network project  
[Project No. NWP-54; Role: Team Member]

**Advancing the efficiency and production potential of excitonic solar cells** - Indo-UK joint collaborative project [Project No. GAP-105932; Role: Team Member]

### Educational Qualifications

*(Please write latest qualification first)*

Degree	Subject	University/ Institute	Year
PhD	Chemistry	IGNOU, Delhi	2016
M.Sc.	Chemistry	M.P.B.U. Bhopal	2006
Lab Tech.	Material Testing	P.P.D.C. Agra	2000
B.Sc.	Chemistry	Dr. B.R.A.U. Agra	1999

### Academic / Research Experience

Grade / Post	Institute	Duration		Research Field
		From	To	
Sr. Technical Officer	Electromagnetic Metrology Section CSIR- NPL	2021	Till date	Electromagnetic Metrology activities
Technical Officer	CFCT, CSIR- NPL	2020	2021	CFCT activities
Technical Officer	Organic Hybrid Solar Cell, CSIR- NPL	2013	2020	Synthesis of materials Preparation of solar cells device Operate the glove box and other equipment
Technical	Organic Hybrid Solar Cell,	2006	2013	same

Assistant	CSIR-NPL			
Jr.Technical Assistant	NIPER, Mohali	2004	2006	Synthesis of materials and Operate the equipments
Lab In charge	MDA Lab Agra (NABL & BIS Accredited)	2003	2004	Materials testing & calibration
Sr. Analyst	ANU Lab Agra (NABL Accredited )	2001	2003	Materials testing & calibration

### **No. of Publications**

No. of Publications in SCI Journals	No. of Publications in non-SCI Journals	No. of Publications in Conference Proceedings	Books	Total
10		06		

### **Selected Publications**

A green approach for direct growth of CdS nanoparticles network in poly(3-hexylthiophene-2,5-diyl) polymer film for hybrid photovoltaic, R.K. Bhardwaj , H.S Kushwaha , J. Gaur , T. Upreti , V. Bharti , V. Gupta N. Chaudhary , G.D. Sharma , K. Banerjee , S. Chand , *Materials Letters* **89(2012) 195-197.**

Green approach for in-situ growth of CdS nanorods in low band gap polymer network for hybrid solar cell applications, R.K. Bhardwaj, V. Bharti, A Sharma, D Mohanty, V Agarwal, N Vats, G.D. Sharma, N Chaudhary, S Jain, J. Gaur, K. Banerjee , S. Chand : *Advances in Nanoparticles, 2014, 3, 103-106.*

### **Patents**

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### **Current Activities**

*(Not more than 100 words)*

Electromagnetic Metrology activities and Preparation of TEL
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### **Honour(s)/Award(s)/ Fellowship(s)**

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### **Contributions to AcSIR**

Helping Research trainee, JRF students in their experimental work
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**Membership of Professional Societies/ Institutions**

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**Any other Information**

*(Not more than 100 words)*

NCC A,B,C certificate
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