

## CURRICULUM VITAE

**NAME:** DR. RAJEEV SINGH  
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616/P-12/F-001, Shyam Bihar Colony, Semra Gaudhi, Maharishi Nagar, IIM Road, Lucknow, UP.

**Address Present:**  
Door No. 28/2, First Floor, First Cross, Bharathi Nagar, Karaikal, Puducherry.

### Academic Achievements:

Degree	Subject	College	University	%	Year
B.Sc.	Physics, Mathematics, Chemistry	Y. D. P. G. College, Lakhimpur Kheri	C. S. J. M. University, Kanpur	64.44	2004
M. Sc.	Physics	University of Lucknow	University of Lucknow	58.50	2006
Ph. D.	Physics	University of Lucknow	University of Lucknow	.....	2013
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**Orientation:** Nil

**Refresher I:** Nil

**Refresher II:** Nil

**Workshop/Seminar/Symposium/Conference**

1. International Conference on Condensed Matter & Applied Physics (ICC-2019), Government Engineering College, Bikaner, 14-15 Oct 19 (to be attended).
2. International Symposium on Modeling of Crystal Growth Processes and Devices (MCGPD-2019), SSN Research Center, SSN Institutions, Chennai, 26-28 Feb 2019.
3. International Conference in Emerging Trends in Technology and Applications (ICETTA-19), Government Engineering College, Kannauj, 01-02 Feb 2019.
4. International Conference on Condensed Matter & Applied Physics (ICC-2017), Government Engineering College, Bikaner, 24-25 Nov 17.
5. National Conference on Recent Advances & Innovations in Chemical & Material Science (RAICMS – 2017), Sri JNPG College, Lucknow, 23-24 Feb 17.
6. Indo-Japan Conference on Frontier Nanomaterials for Energy (FNE-2012), Sharda University, Greater Noida, 9-11 Jan'12.
7. National Conference on Progress in Photovoltaics (NC-PPV-2010), Sharda University, Greater Noida, 6<sup>th</sup> March 2010.
8. Workshop on “Solar Energy Materials and Devices (SEMD-09)”, KIIT University, Bhubaneswar, 24-25 Jan' 09.
9. National Seminar on Frontiers of Spectroscopy (SFS-08), Lucknow University, 8-9 Nov' 08.
10. National Conference on Semiconductor Materials and Technology (NC-SMT-08), Gurukul Kangri University, Haridwar, 16-19 Oct' 08.
11. International Conference on Microwaves and Optoelectronics (ICMO-2007), B.A.Marathwada University, Aurangabad 17-20 Dec '07.

**Techniques Trained:** Nil

**IPR:** Nil

**Invited Talk:**

Invited talk on Excel Uses in Simulation in “National workshop on Computing and Mathematical Simulation (CMS-2018), Deptt of Mathematics, AAGASC, Karaikal, Puducherry, 27 March 2018.

**Paper Published with IF, Scopus, Orcid etc**

1. Rajeev Singh, P. B. Nagabalsubramanian, “Observation Of Interstitial Oxygen Related Defects In CZ-Silicon In The Temperature Range 450 °C to 510 °C Based On FTIR Spectroscopy”, AIP Conference Proceedings (Accepted).
2. Rajeev Singh, P. B. Nagabalsubramanian, “A Review of Thermal Donors in CZ-Silicon and Their Impact on Electronic Industry”, I. J. Applied Engg. Research, 14 (2019) 43-47.
3. Rajeev Singh, Shyam Singh & B. C. Yadav, “Kinetics Of New Thermal Donors (NTDs) In CZ-Silicon Based On FTIR Analysis”, AIP Conference Proceedings, 1953 (2018) 050072-(1-4).
4. Rajeev Singh, Shyam Singh & B. C. Yadav, “Effect of Nitrogen and Carbon in the formation of Shallow Thermal Donors in CZ-Silicon”, I. Journal of Materials Science, 12 (2017) 81-84.
5. Shyam Singh, Rajeev Singh & B. C. Yadav, “An Insight in the formation of Thermal Donor in CZ-Silicon”, J. Optoelectronic Adv. Mater - Rapid Comm., 5 (2011) 1252-1255.
6. Ritesh Kumar, B.C. Yadav, Tripti Shukla, Rajeev Singh & Shyam Singh, “Morphological, Humidity and Liquefied Petroleum Gas (LPG) Sensing Investigations on Tantalum Oxide”, Sensors & Transducers, 135 (2011) 98-109.
7. Shyam Singh, Rajeev Singh & B.C.Yadav, “Thermal Donor formation in CZ-Si with reference to Dimers, Trimers and V-O Interaction” Physica B, 404 (2009) 1070-1073.
8. Shyam Singh, B.C.Yadav & Rajeev Singh, “Role of Nitrogen on formation of Oxygen related Donors in Step Annealed CZ-Silicon” J. Optoelectronic Adv. Mater, 10 (2008) 1522-1525.

**Books:**

1. Book on “Engg. Physics” for Uttar Pradesh Technical University, Lucknow (Published by Himalaya Publication, India) 2013.  
ISBN: 978-93-5024-910-9.
2. Book on “Basic Electronics” for Dr. A.P.J. Abdul Kalam Technical University, (Published by Thakur Publishers, Lucknow) 2016.

**Chapter:** Nil

**NSS:** Nil

**NCC:** Nil

**NGO Activity:** Nil

**CSR Community Social Relevance:** Nil

**Awards:** Nil

**Prizes:** Nil

**Google Rating:** Nil

**Remarks:** Nil