

Rajan Jha, Ph.D

Professor of Physics

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Academic Qualifications

1. **Ph.D.**- IIT Delhi, India- 2007
2. **M.Sc.**- IIT Delhi, India-2001

Employment Details

1. **Professor:** School of Basic Sciences, Indian Institute of Technology Bhubaneswar, India, 2023-till date
2. **Associate Professor:** School of Basic Sciences, Indian Institute of Technology Bhubaneswar, India, 2018-2023
3. **Assistant Professor-** School of Basic Sciences, Indian Institute of Technology Bhubaneswar, India (2009-2018)
4. **Post-Doctoral-** The Institute of Photonics Sciences, Spain (2008-2009)

Research Projects 18 in number Amount~21 crores Industry partner: Forbes Marshall, Honeywell, Emami Mills

Honors/Awards/Recognitions/Editorship

1. **2026** Fellow OPTICA (formerly Optical Society of America), USA.
2. **2025** Associate Editor, Journal of Optics, Springer
3. **2024** Associate Editor, Optics Express, OPTICA, USA.
4. **2024** Journal of Lightwave Technology Best Paper Award by IEEE Photonics Society/OPTICA, USA.
5. **2023** Listed in top 2% scientists worldwide by Stanford-Elsevier Release (Last 3 Years).
6. **2022** Associate Editor, IEEE Sensors Journal, USA.
7. **2021** Director's Commendation for Outstanding Research.
8. **2021** Guest Editor- Journal of Optical Society of America B, USA.
9. **2020** SERB-STAR Fellowship (Physical Science), Govt. of India.
10. **2019** Editorial Board Member-Proceeding of Indian National science Academy, India.
11. **2018** Member Core Committee, Indian National young Academy of Sciences (INAYAS).
12. **2017** Senior Member, The Optical Society/Optica, USA.
13. **2017** Ambassador, Optical Society of America (OSA)/Optica.
14. **2016** Regular Associate of International Centre for Theoretical Physics, Italy from 2016-2021.
15. **2016** Member, National Academy of Sciences, India (MNASc).
16. **2015** Recipient of ICO-ICTP Gallieno Denardo award by *International commission for Optics and International Centre for Theoretical Physics* for the breakthrough contribution in the area of optical sensors and waveguides.
17. **2013** Associate, Indian Academy of Sciences, Bangalore, India.
18. **2013** DAAD Fellowship by Govt. of Germany, Under DADD- IIT Faculty exchange program.
19. **2009** JSPS (Japan Society for Promotion of Science) fellowship by Govt. of Japan.

Research Focus

- Industrial Photonics
- Light manipulation using submicron/sub wavelength nanostructures
- Quantum Optics: Single Photon generation, detection, and applications
- Plasmonics with advanced materials
- Wearable Photonics

Publication Summary

Patents	13
Peer Reviewed International Journals:	164
Nature Group:	03
Optical Society of America:	33
American Institute of Physics:	22
Wiley and ACS:	18
IOP (UK) and Springer:	26
Elsevier Science:	28
IEEE:	34
Review	05
Invited talk	>75
Average Impact Factor:	~4.8
Citation: (Google Scholar):	>9535
H-Index	50
Book:	1.0
Book Chapters:	3.0

Research Guidance: 5 postdocs, 12 Ph.D., 25 Postgraduate & 25 Undergraduate

Outreach: APNEC (2013); VAIBHAV Summit (2020); SAP (2024); IEEE APSCON Track Chair (2025, 2026).

Google Scholar: https://scholar.google.com/citations?hl=en&user=Ez51DNQAAAAJ&view_op=list_works&sortby=pubdate