

Yogesh Singh
Postdoctoral Researcher
Department of Chemistry and Materials Science
Inorganic Materials Chemistry
Email: yogesh.singh@aalto.fi , yogeshsingh1150@gmail.com



Artistic and research interests

Yogesh is a distinguished researcher at the forefront of new-material science, driving advancements in ALD processes. With a robust background in thin films, solar cells, memristors, and photoconductive materials, Yogesh's work is pivotal in addressing contemporary technological challenges.

Yogesh earned his Ph.D. from the CSIR-National Physical Laboratory, where he specialized in the synthesis and application of cutting-edge materials. His research expertise encompasses a diverse range of high-impact areas, including chalcogenides and perovskite solar cells, which are integral to the development of efficient, cost-effective renewable energy sources. His contributions to device fabrication have further enhanced the performance and durability of electronic devices, making significant strides in the field.

Throughout his career, Yogesh has been dedicated to pushing the boundaries of material science, with a particular focus on the practical applications of his research. His innovative work on memristors is contributing to the evolution of next-generation memory storage technologies, while his advancements in photoconductive materials are opening new avenues in optoelectronic devices.

Yogesh's research is characterized by a deep commitment to sustainability and technological innovation, positioning him as a key player in the global effort to develop greener, more efficient technologies. His work not only advances scientific understanding but also holds the promise of transformative impacts on energy and nanotechnology industries.

In free time Yogesh love cooking Indian food and Piano playing.

Employment

Postdoctoral Researcher

Postdoctoral Researcher
Department of Chemistry and Materials Science
Aalto University
14 May 2024 → present

Postdoctoral Researcher

Postdoctoral Researcher
Inorganic Materials Chemistry
Aalto University
14 May 2024 → present

Post-doctoral research associate

Indian Institute of Science Education and Research
Pune, India
10 Dec 2023 → 17 Apr 2024

o

ioioioiooi