Glass Open Book



Damandeep Kaur

Company:	University of Trento
Job title:	Researcher in Ceramici Lab
Languages:	English
Location:	Italy

Contact information:

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Work experience

Company:	Institute of Applied Physics CNR
Job title:	Researcher in MIPLAB Jul 2024 - Jun 2025 (0 yrs 11 mos)
Responsibilities:	Designed and investigated functional glass optical fibre sensors for cancer detection applications, focusing on composition-property relationships.

Company:	University of Trento
Job title:	Researcher in Ceramici Lab Apr 2022 - Apr 2024 (2 yrs 0 mos)
Responsibilities:	• 40% reduction in processing time for commercial glass coatings, enhancing self-disinfecting surfaces by data analysis pipelines.

Education

School:	Thapar Institute of Engineering and Technology, India PhD, Materials Engineering 2017 - 2022

About me

Statement:	I am a materials scientist specialising in glass engineering, with over 8 years of hands-on experience designing and characterising functional glass systems, from chemically tempered antiviral surfaces to bioactive glasses for medical applications. https://www.linkedin.com/in/kaurdaman/