



# Palani Parthiban

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## PERSONAL STATEMENT

To endeavour for my best in the field of materials research and technology with focus, dedication, passion and positive attitude.

## EDUCATIONAL BACKGROUND

Ph.D., Materials Science [24/01/2020–Present] EQF level 8

Thesis subject: Lead-free oxides with a high quality coefficient for the storage of electrical energy

Unit of Dynamics and Structure of Molecular Materials, Université du Littoral Côte d'Opale (ULCO), Calais (France)

M.Sc., Nanoscience and Nanotechnology [16/09/2010–18/06/2012] EQF level 7

University of Madras, Chennai (India)

Marks - 7.17 CGPA (First Class)

**Thesis-** Design, synthesis, and investigation on the anisotropic growth of silver-core/gold-shell nanoprisms and nanoframes for SERS application (Mark- 8.5/10 GPA)

## WORK EXPERIENCE

Ph.D., Materials Science [24/01/2020–Present]

Unit of Dynamics and Structure of Molecular Materials, Université du Littoral Côte d'Opale (ULCO), Calais (France)

Senior Research Fellow/ Researcher [19/01/2016–31/12/2019]

University of Hyderabad, DAE-BRNS, India

Project - Surface preparation of III-V nitride epilayers by CMP process

Junior and Senior Research Fellow [12/09/2012–31/03/2015]

Noorul Islam Center for Higher Education, DAE-BRNS, India

Project - Detailed investigation of nano metalo cuprates

## RESEARCH PROFILE

**Scientific Instruments Handle-** UV-Vis-NIR spectrophotometer, PL spectrofluorometer, Optical surface profilometer, and FT-IR and Raman spectroscopy

**Scientific Analysis Software-** General Structural Analysis System (GSAS), VESTA, and Jana-2006

**Reviewer** – Materials Today Communications, Materials Science and Engineering B (Elsevier)

**Publications - Peer-Reviewed International Journals:**

<https://www.mendeley.com/profiles/parthiban-palani/publications/>

**LANGUAGES:** English (fluent, IELTS 7.5/9), Tamil (native).

**DECLARATION:** I henceforth declare that all the above information provided is true to the best of my knowledge.