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Education:

- Ph.D. in Physics, Blaise Pascal University, Clermont-Fd, France, 1993
- Habilitation to supervise research (academic degree), University of Orleans, 1997

Professional position:

Professor, materials science, Orléans University, since 2005
In charge of electronics and photovoltaic materials at CNRS-CEMHTI

Research Interests:

Semiconductors, Photovoltaic materials and cells, production of ultrathin substrates for various applications, thermoelectric materials, Renewable energies, defect engineering, semiconductors doping, functional nanocavities in semiconductors, interaction of ion with semiconductors, ion implantation in oxides, shallow junctions, plasmonics in photovoltaic based thin films.

Main achievements:

- Long term collaboration with ST-Microelectronics in order to build very innovative devices
- Long term collaboration with CEA-LETI for the development of layer transfers
- Main Organizer of many international and national workshops
- Visiting positions Pennstate University, State College
- Management of research projects: national (French ANR), EU and other International projects
- Implementation of many Research networks in France, Europe and Africa
- Implementation of Academic collaborations: France-Cameroon and France-Morocco
- Supervisor of 20 ph.D thesis
- Collaboration with many institutes in Europe in USA and Africa
- Guest editor at international journals
- Reviewer for many international journals

Main recent research projects:

Eurosunmed (H2020) 2012-16,

Infinite-Cell (H2020) 2017-2023,

Doping of 2D semiconductors collaboration between CNRS and ETRI : 2016-19;

ARPCM (Région Centre) 2012-15,

Optimization of perovskite and kesterite-based tandem solar cells (AUF) 2022-23

Exploitation of the Radiation Induced Effects for Thin Film Production', " Enhancing the Beneficial Effects of Radiation Processing in Nanotechnology (F22070)." IAEA 2018-22.

Invited lectures at foreign instiutes

- Hampton University, Virginia, USA ;
- Stanford University, California, USA ;
- Pennsylvania, State University, State College, USA
- University of Hagen, Germany;
- Delft University of technology, Delft, The Netherlands;
- Indian Institute of Technology, Kampur, India;
- University of Yaounde1, Yaounde, Cameroon;
- Cheikh Anta Diop University, Dakar, Senegal,
- ISFH, Hameln, Germany;
- Salford University, UK; - Manchester University, UK;
- Mohammed 5 University, Rabat, Morocco;
- CNESTEN, Rabat, Morocco;
- University Mouloud – Mammeri, Tizi Ouzou, Algeria;
- Western Cape University, South-Africa;
- Moldovan Institute of Physics, Chisinau, Moldova
- University of Abomey Calavi, Cotonou, Benin
- Mohammed VI University, Benguerir, Morocco
- Moi University, Eldoret, Kenya

Publications and patents

- More than 150 papers published
- 1 international patent