



POSITION TITLE: ASSISTANT PROFESSOR IN THERMODYNAMICS – ENERGETICS

UNIVERSITY MOHAMMED VI POLYTECHNIC, UM6P

Located at the heart of the future Green City of Benguerir, Mohammed VI Polytechnic University (UM6P), a higher education institution with international standards, is established to contribute to the development of Morocco and the African continent. Its vision is honed around research and innovation at the service of education and development. This unique nascent university, with its state-of-the-art campus and infrastructure, has woven a sound academic and research network, and its recruitment process is seeking high quality academics and professionals in order to boost its quality-oriented research environment in the metropolitan area of Marrakech.

MATERIALS SCIENCE, ENERGY AND NANOENGINEERING, MSN

The Materials Science, Energy, and nano-engineering (MSN) is a department at Mohammed VI University that aims to make use of innovative research and education in order to promote solution development and entrepreneurship (in the context of Moroccan and African challenges), while training the next generation top scientists, innovators and entrepreneurs.

Research at MSN is organised in five divisions: Energy efficiency, Surface technology, Polymers and composites, Metallurgy, and Phosphates & sustainability.

With some 50 researchers and PhD students and several national and international partners, MSN is emerging as a strong actor in the Moroccan materials research scene. In 2019, the department will launch a Master program in Materials science and engineering as well as several executive master programs.

DESCRIPTION OF THE POSITION

The recruited professor will be in charge of teaching and R & D in the field of:

Thermodynamics & Energetics

The candidate will be asked to:

- Afford teaching activities (Courses, Practices) and research in the field of Thermodynamics, Materials for Thermal Energy Storage and Energy Efficiency (Industry and Buildings)
- Supervise PhD and Master students,
- Ensure management activities of the MSN department,
- Write research proposal and participate to the ongoing R&D Projects
- Ensure the design and implementation of specific courses, for the Master and the Executive Master programs, on topics related to thermodynamics and Thermal Energy Storage,
- Develop partnerships within the UM6P ecosystem and initiate international win-win collaborations

SELECTION CRITERIA

A preferred candidate should have:

- Ph.D. degree in chemistry, physics, or engineering discipline closely related with thermodynamics-energetics
- An h-index >10
- Five (5) years technical experience in design with research areas such as chemical thermodynamics, networks of channels for self-healing composite materials; and crystal growth in nano-scale.
- Experience in fundraising from government and international agencies and/or industry.
- Excellent leadership and project management skills with ability to foster teamwork.
- Exceptional managerial, technical, analytical, evaluative and follow-through skills, preferably in a research arm of a higher education institution or government laboratory.
- Experience in supervising undergraduate students, graduate students, and/or Post Doctoral fellows.
- Strong communication skills with the ability to write, speak, and present effectively to a wide variety of audiences including academics and industry representatives.
- Ability to forge collaborative relationships with peers and to work effectively and collaboratively with diverse stakeholders at various organizational levels.
- Very good command of oral and written English and French

APPLICATION PROCEDURE

- Applications must be sent to: recrutement@um6p.ma , before April 30, 2019 in a single electronic zipped folder with the mention of the job title in the mail's subject. The folder must contain:
 - A cover letter indicating the position applied for and the main research interests.
 - A detailed CV.
 - A brief research statement.
 - Contact information of 3 references (applicants are assumed to have obtained their references' consent to be contacted for this matter).
- The short-listed candidates will be invited to meet the university selection committee.

COMPENSATION PACKAGE

- Best in class salaries
- 30% annual bonus on gross salary.
- Research budget allowance to professor
- Best in class :
 - IP sharing policy (33% for professor)
 - MOOCs policy (60% for professor)
 - Consulting policy (100% for professor when teaching time is completed)
- Complete benefits including housing, tuition fees, life & medical insurance, retirement, maternity leave and sabbatical.