

## Department of Agricultural, Environmental and Food Sciences

### **Position.**

Full-time appointment fixed term Researchers Contract Type b) as by the art. 24 of Italian Law n. 240/2010, for the Academic Discipline ING-IND/10 - Thermal Engineering and Industrial Energy Systems, Academic Recruitment Field 09/C2 - Thermal Sciences, Energy Technology, Building Physics and Nuclear Engineering, Area 09 - Industrial and Information Engineering

### **Program of teaching activities, student assistance and research:**

The candidate will be asked to teach courses within the academic discipline Thermal Engineering and Industrial Energy Systems and in particular the Course of Applied Thermodynamics and Heat Transfer in the Agri-food Industry of the Three-year and Master Degree Courses in Food Sciences and Technology. He/She will have to carry out teaching activities for the Applied Thermodynamics course of the Bachelor Degree in Civil Engineering and for the Hospital Technological Plants course of the Bachelor Degree in Medical Engineering provided respectively by the Department of Biosciences and Territory and Medicine and Health Sciences "Vincenzo Tiberio". He/She will be asked to assist students in the preparation of their final exam and thesis within the aforementioned courses and, to carry out tutoring activities. He/She will have to develop research activities at the Department of Agriculture, Environment and Food Sciences and other Departments of the University of Molise that will have to focus mainly on heat transfer and energy applications in the industrial sector with particular reference to the agri-food field.

### **Scientific production goals (scientific papers, conferences, other types of products) and qualitative features of the scientific production:**

The candidate should aim to carry out research with a high international profile, with publications in wide-spread international journals that could provide a significant contribution to next Research Quality Assessment (VQR) of the Department of Agriculture, Environment and Food Sciences of the University of Molise.

- **Activity location:** Department of Agriculture, Environment and Food Sciences - Campobasso.
- **Maximum number of scientific papers that the candidate can exhibit:** 12.
- **Foreign language for which a detailed knowledge is required:** *Advanced English.*
- **Periodic and final reporting mode of the achieved work results the researcher is required to submit:** Annual report of the teaching and research activities, current research projects and expected results in terms of publications in international journals.