

## Model 1 – PROFILE

a comparative assessment procedure by qualifications and public discussion for the recruitment of one **Researcher with fixed-term employment is hereby announced pursuant to art. 24 paragraph 3 letter b) of the Italian Law 240/2010 (SENIOR)** with full-time commitment, SSD ICAR/08 STRUCTURAL MECHANICS- S.C. 08/B2 STRUCTURAL MECHANICS **activated for the needs of study and research of the** Dipartimento INGEGNERIA E GEOLOGIA-Cod.Ud'A 2023-101

- **date of the resolution of the Department** which identified ssd and s.c.(competitive exam sector) for fixed-term full time researcher under art. 24 , paragraph 3, letter . b) of Law no .240/2010: cdd del 05//04/2023 prot.27555 of the 17/04/2023;
- **Date of the resolution of the Department** which identified the profile according to art. 4 paragraph 4 of the University Regulations : emergency decree prot. N. 42482 of the 21/06/2023;
- **Date of the resolution of the Department** with which, on the basis of the resolutions of the Trade Unions, the weights of the elements (scores) subject to evaluation were resolved: No specific resolutions were adopted; please refer to the ranges identified in the announcement;
- **Academic Recruitment Field:** S.C. 08/B2 STRUCTURAL MECHANICS
- **Profile:** **S.S.D.** ICAR/08 STRUCTURAL MECHANICS
- **Specific functions required to the research assistant:**
  - Teaching appointments** : Teaching activity within the ICAR/08 SSD for Degree Courses provided by the INGEO Department: Bachelor's Degree Course in Biomedical Engineering L9 - Computational Biomechanics course 6 CFU - Mast r's Degree Course in Biomedical Engineering LM21, Mechanics of tissues and cells 6 CFU.
  - Scientific appointments:** the candidate will have to carry out research activities on subjects of interest to the Departmen of Engineering and Geology consistent, as per the declaration of the SSD ICAR/08, with the Competition Sector 08/B2. In particular, the research activity will have to focus on aspects related to theoretical and computational biomechanics, with reference to the theory of linear and non-linear elasticity, as well as viscosity and plasticity applied to biocompatible natural or artificial bone tissues for the verification and fabrication of bone prostheses.
  - Rights and obligations:** as envisaged by the current legal provisions on the legal status of university researcher with fixed-term contracts and by the current code of ethics of the University ;
- **Duration:** 36 months non-renewable;
- **Salary:** : €44.207,67 (forty-four thousand two hundred and seven, euros( a.l. lender including the thirteenth month installment, with application of the 20% increase equivalent to the salary to the class confirmed permanent researcher increased by 20%. The amount indicated above has been adjusted to the increases referred to in the D.P.C.M. 25/07/2022 published in the Official Gazette – General Series – n. 213 of 09/12/2022 “Adjustment of the economic treatment of non-contracted personnel”:
- **Maximum number of publications:** 12 (twelve).
- **Foreign language whose adequate knowledge will be assessed with reference to the multi-lingual profile of the University, namely the academic teaching needs in foreign language degree courses:** English
- **Mean of assessment of knowledge of the foreign language, or knowledge of Italian for foreign candidates:** colloquium;
- **Funding:** University funds;
- **The specific research activity will focus on the following project:** “Research activity in the ICAR/08 SSD sector.”
- **The scientific production objectives:** 1 paper at the end of the first year, 2 papers at the end of the second year, and 3 papers at the end of the third year, all in peer-reviewed journals indexed on Scopus/Web of Science
- **Mean of assessment of scientific qualification:** through evaluation of qualifications, curricula, scientific production and interview, pursuant to and for the purposes of art. 24 of the law 30/12/2010 n. 240