



The institution of the university field, dedicated to knowledge management, research and technology transfer, located in Barcelona, needs to incorporate:

- Chemical Engineering degree

Functions:

Will be incorporated into the professional team of Dr. Josep Maria Chimenos Ribera of the Department of Ciència de Materials I Química Física of the Faculty of Chemistry with the aim of carrying out the following tasks:

- Characterize and interpret magnesium oxide samples characterisation
- Conduct struvite precipitation experiments
- Develop and validate an struvite precipitation model
- Model mineral phase precipitation using geochemistry models
- Write experiments and model reports

Profile:

- Chemical Engineering degree (finished)
- Master in Chemical Engineering, Environmental Engineering or similar (finished or ongoing with 60 ECTS completed)
- Knowledge in programming languages: Matlab, R, Python, Mathematica (or similar) for process modelling
- Knowledge in software: MINTEQ, PHREEQC for geochemistry modelization
- Good English level, oral and written
- Lab-experience and utilization of analytical instrumentation

It offers:

- Gross annual remuneration: 15.749 euros (full time)
- Contract linked project: (project title): Utilización de subproductos de magnesio para la recuperación del fósforo en estaciones depuradoras de aguas residuales mediante precipitación de estruvita
- Project funded by the European Regional Development Fund (ERDF/FEDER) - Ministry of Science and Innovation – State Research Agency (AEI). Project reference: RTC2019-007257-5
- Expected duration of 3.5 years

Contact:



Bosch i Gimpera
UNIVERSITAT DE BARCELONA



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- Those interested should submit their CV, Dr. Josep Maria Chimenos to the e-mail chimenos@ub.edu with the reference Temporary full time Chemical engineering