

**MEJJAD Nezha, 27 years**

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## Environmental Geologist

**Geology, Radiochemistry, Geochemistry, radiometric dating, Marine pollution, sediment dynamics, and environment.**

### **EDUCATION**

- **University Hassan II - Casablanca, Faculty of Sciences Ben M'Sik, Morocco 2013-2016.**
  - PhD Student in Geoscience and Environnement.
- **University Hassan II - Casablanca, Faculty of Sciences Ben M'Sik, Morocco 2011-2013.**
  - Master's degree in Applied Geology to Natural Resource Exploration. Grade: Good
- **University Hassan II - Casablanca, Faculty of Sciences Ben M'Sik, Morocco 2008-2011.**
  - Bachelor's degree in Earth sciences and Universe. Grade: Quite Good
- **Hassan II High School - Casablanca, Morocco 2007-2008.**
  - baccalaureate in Life Sciences & Earth Sciences. Grade: Quite Good

### **PROFESSIONAL EXPERIENCE**

#### • **RESEARCH EXPERIENCE :**

- Unit of Soil Resources/Radioecology, Division of Earth and Environmental Sciences, National Energy Center of Sciences and Nuclear Techniques, Morocco.

Doctoral Research => April 2014 - present.

- Radionuclide analyses by gamma spectrometry of the sediment core,
- Radioactive dating of sediment core using excess  $^{210}\text{Pb}$ ,
- Evaluation of heavy metals concentration in sediment core and assessment of levels of contamination in the study area by using environmental indices.
- Mineralogical analysis of marine sediment by X-ray diffraction,
- Analyses of organic matter content and grain size distributions on marine sediment.
- Unit of Soil Resources/Radioecology, Division of Earth and Environmental Sciences, National Energy Center of Sciences and Nuclear Techniques, Morocco.

Master's Degree => 26 March - 28 June 2013.

- radioactive analysis of marine sediment by alpha and gamma spectrometry,
- Radioactive dating of sediment core using excess  $^{210}\text{Pb}$ ,
- Analyses of organic matter content and grain size distributions on marine sediment,

- Evaluation of the concentration of chemical elements in sediment core by Instrumental neutron activation analysis (INAA).

➤ The direction of Geology- Departement of Geology, The Sharifian Phosphate Office, Morocco.

Undergraduate Summer Research => 03 to 28 september 2012.

- Establishment and comments of the maps (structural, Isovalues ..),
- Geomining study of layer 1 of Ghar Tajer area,
- Drawing a trench cross section using "Autocad" software.

## **PUBLICATIONS and PRESENTATIONS**

### • **Publications :**

- N. MEJJAD, A. LAISSAOUI, O. EL-HAMMOUMI, M. BENMANSOUR, S. BENBRAHIM, H. BOUNOUIRA, A. BENKDAD, F. Z. BOUTHIR, A. FEKRI, M. BOUNAKHLA, **(2016) "Sediment geochronology and geochemical behavior of major and rare earth elements in the Oualidia Lagoon in the western Morocco"** - Springer (Journal of Radioanalytical and Nuclear Chemistry).

### • **Presentations:**

- **23 APRIL 2016** › COMMUNICATION ORALE « LA QUATRIEME JOURNEE DES SCIENCES DE L'INGENIEUR (JSI) » Faculty of Sciences Ben M'sik, Casablanca, Morocco.
- **7 & 8 DECEMBER 2015** › COMMUNICATION AFFICHÉE «5TH INTERNATIONAL PLATFORM ON INTEGRATING ARAB E-INFRASTRUCTURE IN A GLOBAL ENVIRONMENT », e-AGE 2015, Hôtel Sheraton, Casablanca, Morocco.
- **21 & 22 OCTOBER 2015** › COMMUNICATION AFFICHEE « APPLICATION DES TECHNOLOGIES GEOSPATIALES EN GEOSCIENCES » Faculté Polydisciplinaire de Taza, Morocco.
- **FROM 7 TO 9 OCTOBER 2015** › COMMUNICATION ORALE « THE 3<sup>ED</sup> INTERNATIONAL WORKSHOP ON WASTE MANAGEMENT AND SUNSTAINABLE DEVELOPMENT» Hôtel Atlas Rif -Tanger. Morocco.
- **FROM 26 TO 28 MARCH 2015** › COMMUNICATION ORALE « LE 1ER COLLOQUE INTERNATIONAL SOUS LE THEME : DEVENIR UN BON CHERCHEUR », Faculté Polydisciplinaire de Tétouan, Université Abdelmalek Saadi, Martil, Morocco.
- **20 & 21 MARCH 2015** › COMMUNICATION ORALE « LES PREMIERES JOURNEES JEUNES CHERCHEURS EN GEOSCIENCES JJJCG 2015 », Bouznika, Morocco.
- **21 & 22 NOVEMBER 2014** › COMMUNICATION AFFICHEE LE 1ER COLLOQUE INTERNATIONAL SOUS LE THEME : «SANTE, ENVIRONNEMENT & ENTREPRISE », Faculté des Sciences et Techniques de MOHAMMEDIA, Université Hassan II – Casablanca, Morocco.
- **FROM 12 TO 15 OCTOBER 2014** › COMMUNICATION ORALE « SEVENTH INTERNATIONAL CONFERENCE ON TRACERS AND TRACING METHODS » Hôtel Semiramis - Marrakech.
- **FROM 13 TO 17 SEPTEMBER 2014** › COMMUNICATION AFFICHÉE « THE 4RD AFRICAN REGIONAL IRPA CONGRESS (AFRIRPA04) » The Faculty of Medicine and Pharmacy of Rabat, Morocco.
- **26 JUNE 2014** › COMMUNICATION AFFICHEE « SEMINAIRE DOCTORAL INTERNATIONAL DES SCIENCE DE LA TERRE » Université Mohammed V-Faculté des Sciences Rabat, Morocco.
- **FROM 13 TO 15 NOVEMBER 2013** › COMMUNICATION PAR AFFICHE « 7 EMES JOURNEES INTERNATIONALES DES GEOSCIENCES DE L'ENVIRONNEMENT» -JIGE7- Université Sultan Moulay Slimane, Faculté des Sciences Techniques – Béni Mellal, Morocco.

## **Skills/ Qualifications**

- **Languages :**

- Arabic => Mother tongue
- Proficient in French and English languages

- **Computer knowledge:**

- Office => Word, Excel, Powerpoint.
- Software => Idrisi, Autocad, Origin Pro8,

## **Activities and interests**

- Co-representative of Faculty of Sciences Ben M'sik in "Young Earth-Scientists (YES) Network" since 2012,
- Membership in "Moroccan Association of Geosciences",
- Membership in "International Association of Sedimentologists,"
- Membership in "Oualidia New Green Wave".

## **Others skills**

- Knowledge of research methodologies,
- Data and information collection,
- Writing and presenting reports.