

**Position Title:**

Researcher in Hydrogeology, specializing in Sustainable management and integral use of groundwater.

**Job Group:**

Professional & Scientific.

**Required Minimum Qualifications:**

Doctoral degree and 4 years of related experience.

**Preferred Qualifications:**

1. Doctoral degree in Engineering or in a related and relevant discipline (subjected to the Admissions Committee approval).
2. At least four years of experience in the requested area, including postdoctoral stays.
3. Scientific productivity in international high-impact journals (JCRs).
4. Experience in research projects on real problems of Sustainable management and integral use of groundwater.
5. Preferably, demonstrable experience in teaching and training of students.
6. Interest in an academic career at Instituto de Ingeniería, Universidad Nacional Autónoma de México (IIUNAM).
7. Soft skills such as teamwork disposition and excellent oral and written expression skills are an asset.
8. Proficiency in Technical English.
9. Proficiency in Spanish. When the candidate is not a Spanish native-speaker, it is expected proficiency be achieved within the two years of its appointment.

**Job Description:**

The selected candidate will be responsible for basic and applied research of outstanding quality, for executing projects aimed at technological development that apply practical solutions to national problems, at Sustainable management and integral use of groundwater. Her/His obligations will be to elaborate and conduct research proposals, publication of his/her research in national and international high-impact scientific journals, participate in national and international conferences, training of technical human resources under her/his supervision through the direction of thesis (degree, master's, and doctorate) and teaching courses at a college level. It is expected that the candidate will participate in national and technical committees and technical societies, as well as to establish outreach activities within the construction industry in Mexico.

**Appointment Type:**

Regular with Term Appointment (Fixed Term)

**Time Type:**

Full time

### **Application Instructions:**

To apply for this position, please be prepared to submit the following documents in pdf format:

1. Personal cover letter, detailing the reasons why you wish to be considered for the position.
2. Extended resume with proofs.
3. Summary of one page, emphasizing the activities that fit the position's profile.
4. Doctoral thesis cover page and copy of the doctoral degree.
5. Work plan for three years with expected products and results.
6. Most relevant publications within the scope of the current appointment.
7. Copy of official identity document that indicates place and date of birth.
8. Three recommendation letters of academic referees, with contact information, including email addresses.
9. Research project (maximum 25 pages, Times New Roman 12, 1.15 line spacing) on the topic: ***"A pilot aquifer recharge project for a site in the north of the country with water scarcity, within the framework of national and international regulations and which has to be based on the sustainable and integral management of water in the area, including the management of water sources for recharge. Establish in detail the design and modeling for the execution of the aquifer recharge pilot project, based on the hydrogeology conditions of the site, as well as times and costs."***

Interested candidates must send the requested documents to Dr. Norma Patricia López-Acosta, Academic Secretary of IIUNAM ([NlopezA@iingen.unam.mx](mailto:NlopezA@iingen.unam.mx); [SAcademica@iingen.unam.mx](mailto:SAcademica@iingen.unam.mx)), by November 30<sup>th</sup> 2022. Promising candidates will be notified and might be invited to an interview, during which they are expected to present their research project.

For further information on the IIUNAM and the UNAM, you might visit [www.iingen.unam.mx](http://www.iingen.unam.mx) and [www.unam.mx](http://www.unam.mx), respectively.