

# Ammar Bek

## Environmental Engineer/Geoscientist

### Personal Info

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Ammar Bek

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### Skills

- Research and development
- Extensive academic knowledge
- Independence and Initiative
- Critical thinking and Problem-solving
- Project Management
- Contributing as a professional
- Attention to details and accuracy
- Interpersonal skills
- IT skills
- Field work skill
- Geophysical instruments operation

### Interests

Playing and watching Football  
Traveling and Tourism  
Photography

Environmental Engineer/Geoscientist with +7 years of experience, has skilled record and proven experience in environmental and geotechnical engineering, engineering geology, geophysics, earthquake engineering, site charactrization and hazard assessment that translated into scientific publications ([LinkedIn profile](#)). Seeking to leverage my expertise to fill the advertised position.

### Experience

2017-05 - present	<b>Researcher</b> <u>University of Waterloo, Civil and Environmental Engineering Department.</u> <ul style="list-style-type: none"><li>• Utilize skills and knowledge to develop new techniques for damage identification in engineering structures.</li><li>• Guide a multidiscipline team to finalize research projects.</li><li>• Utilize computer skills in modeling, simulation, and data analysis.</li><li>• Handle budget, data, and time to execute research projects.</li></ul>
2012-11 - 2017-10	<b>Senior Geophysicist (Full-time)</b> <u>Amak Geophysical Exploration and Scientific Appliances Company, Iraq</u> <ul style="list-style-type: none"><li>• Created new consulting opportunities by performing high-quality geophysical NDT to solve a environmental and geotechnical problem.</li><li>• Enhanced the capacity to perform surveys on noisy and restricted sites.</li><li>• Supervised survey projects and survey teams effectively.</li><li>• Actively involved in hazard assessment procedures.</li><li>• Performed variety of engineering and environmental field tests.</li><li>• Provided full services (processing, interpretation and reporting).</li><li>• Prepared training services by conducting seminars and workshops.</li><li>• Provided professional consulting and customer services.</li><li>• Managed the environmental geophysical dept. starting from June 2016.</li></ul>
2006-10 - 2012-11	<b>Geologist (seasonal and Part-time)</b> <u>Amak Geophysical Exploration and Scientific Appliances Company, Iraq</u> <ul style="list-style-type: none"><li>• Contributed to establishing the geophysics unit and provided full support.</li><li>• Helped to build effective staff by providing suitable scientific training.</li><li>• Conducted field Tests and earth materials sampling.</li><li>• Performed Phase I and II Environmental Site Assessments.</li><li>• Contributed in interpretation and generating the final report.</li></ul>

### Education

<b>Politecnico di Torino, Turin, Italy</b> Ph.D. in Engineering for Natural and Built Environment, 2012
<b>University of Baghdad, Baghdad, Iraq</b> MSc in Engineering Geology, 2006
<b>University of Baghdad, Baghdad, Iraq</b> BSc in Geology, 2002

### Software

Microsoft Office	MATLAB
Surface Plus	WinSism
Seismosoft package	EqHaz
QGIS	