Hanen Bessaies
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Application
for Chemical Laboratory Assistant or CTA, BTA for QA (Chemielaborant oder CTA, BTA für den Bereich QS)
at Valensina GmbH

M. Sc. Hanen Bessaies, Place of Birth: Nabeul (Tunisia)

- Chemical Scientist with interdisciplinary experience in Chemical Engineering combined with computerized analysis systems (FTIR, BET, Zeta potential).
- Wide experience in Data Analysis and Graphing Software: Statistica, Origin 8 and MATLAB.
- Certifications in the Quality Health Safety Environment (QHSE): ISO 9001, ISO 14001 and ISO 45001.
- Expertise in water treatment process (adsorption and advanced oxidation process).

ENCLOSURES: Cover Letter, Resume, References, Publications, Certificates

Hanen Bessaies

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Valensina GmbH
Ms. Anja Bremer
Ruckes 90
41238 Mönchengladbach

22. June 2020

Application for Chemical Laboratory Assistant or CTA, BTA for QA (Chemielaborant oder CTA, BTA für den Bereich QS)

Dear Ms. Bremer,

I came across the advertisement for the position of Chemical Laboratory Assistant or CTA, BTA for QA (Chemielaborant oder CTA, BTA für den Bereich QS) in Stepstone Deutschland website. My interdisciplinary experiences in Chemical Engineering combined with computerized analysis systems will be helpful for this position for multi-disciplinary activities from different domains.

From my experiences in academia, I have gained knowledge in both organic and inorganic chemistry and in methods development for water treatment process. To be specific, in my Masters research, I worked on the water treatment process by removal of antibiotic 'ofloxacin' using AOPs. And in my Doctoral research, I worked on the synthesis and characterization of nanocomposites for removal of organic and inorganic pollutants from water and wastewater using adsorption process. I have also modified the bio-material (green algae) using graphene oxide and glutaraldehyde for removal of arsenic from water. The characterization of the prepared material was performed using FTIR, TGA, XPS, XRD, BET, Raman Spectroscopy and elemental chemical analysis (CHNX/O) techniques. I have expertise in ICP-OES technology according to Standard Operating Procedure (SOP) for the analysis of metal composition of the samples. Software, such as Origime 8, MATLAB and Statistica, were used for graph designing, predictive modelling and classification. In a nutshell, I have dealt with challenges related to both chemical synthesis and experiment planning according to the concepts of design of experiments (DoEs).

I have certifications in the Quality Health Safety Environment (QHSE), which includes quality and risk management (ISO 9001, ISO-TS 9002, ISO 31000, ISO 10002 and BS ISO 10004), environmental management standards (ISO 14001 and ISO 14004), management standards of the OHS Standard (ISO 45001 and the BS 45002) and auditing management standards (ISO 19011). Also, I have certification in the accreditation of testing and calibration laboratories (ISO 17025), which include the requirements on the organization and the technical competence of the laboratory, such as, personnel, facilities, testing and calibration methods, method validation and sampling.

Currently, I am involved in research activities with multidisciplinary topics. I am exposed to two different working cultures by working with two different universities of Finland and Tunisia. I have also taken care to precisely document all the work steps of the test procedure and systematic preparation of test reports. Due to participation in conferences and workshops, I have to fulfil the research goals in a time-bound manner. I have developed my ability to work independently in a complex environment, which has strengthened my communication and organisational skills.

Based on my several years of experience with analysis of wastewater and due to highly interdisciplinary nature of the job profile, it will be interesting for me to work for this position. I am prepared to relocate to any of your locations within Germany. I hope that I can integrate with your team. I am looking forward to an opportunity for a personal conversation.

With Kind Regards