



Open Call: Fulbright Specialist Program Physics Education Open Project

The Fulbright Specialist Program (FSP) is seeking a highly qualified professional to serve as a Specialist for a 15 day project, "Radiation Protection and Nuclear Safety Assessment in Kosovo" to take place in Kosovo.

The Fulbright Specialist Program (FSP), part of the larger Fulbright Program, was established in 2001 by the U.S. Department of State, Bureau of Educational and Cultural Affairs (ECA). The program pairs highly qualified U.S. academics and professionals with host institutions abroad to share their expertise, strengthen institutional linkages, hone their skills, gain international experience, and learn about other cultures while building capacity at their overseas host institutions. Grant benefits include international round-trip economy class airfare, transit allowance, all applicable visa fees, a daily honorarium, enrollment in a limited health benefits program, lodging, meals, and in-country transportation.

Host Institution: Kosovo Agency for Radiation Protection and Nuclear Safety (MESPI)

Project Title: "Radiation Protection and Nuclear Safety Assessment in Kosovo" (P008858)

Proposed Timeframe: February 19 to March 7, 2024, with flexibility pending the selected applicant's availability.

Location of Project: Prishtina, Kosovo

Project Description:

This Fulbright Specialist project for radiation protection research and procedures has three phases. The first is the implementation of a gamma-ray spectrometry system to determine radiation levels in natural radioactive materials.

For the second phase, Kosovo possesses the world's fifth-largest proven reserves of lignite, and the country uses the rock as a fuel source for over 90 percent of Kosovo's power. The residuals of burning coal are both fly ash and bottom ash, which typically contain 10 times more uranium and thorium than in the original coal. For regulatory purposes, we need to monitor fly ash radiation levels, including studying the rainwater leaching into the environment.

Lastly, it is well known that Kosovo has a varied geology that includes a variety of exploitable metal and mineral deposits, including gold, chrome, nickel, aluminium, copper, iron metals, and lead-zinc. Often these materials can have high amounts of uranium and thorium that may land up in the mining tailings. We would also like these residuals to be monitored for radioactive materials before being disposed.

Project Activities:

- Meet with Radiation Protection and Nuclear Safety Agency and University of Prishtina- Institute of Physics management and staff
- Introduction to the laboratories and teaching activities of the Radiation Protection and Nuclear Safety Agency and the University of Prishtina – Institute of Physics
- Host seminars for the Radiation Protection and Nuclear Safety Agency and lectures for the University of Prishtina
- Check, test, and analyze the Institute of Physics' Gamma Ray spectrometry system and workplan
- Collect and analyze samples from fly ash landfill and at select metals/minerals deposits

Preferred Qualifications

The Host Institution seeks a physical sciences Specialist who is an expert on radiation protection and nuclear safety.



The Fulbright Specialist Program is sponsored by the U.S. Department of State with funding provided by the U.S. Government and administered by World Learning.





How to Apply

Applicants must meet all program eligibility criteria, including U.S. citizenship. A complete list of U.S. applicant eligibility criteria can be found at <https://fulbrightspecialist.worldlearning.org/eligibility-specialists>.

Applicants must submit a CV and a completed “Submission of Interest Form” via email to fulbrightspecialist@worldlearning.org no later than Monday, November 13, 2023 to be considered as a candidate.

Please note that if you are selected as a potential candidate for this project, **you will be required to submit an official application to join the Fulbright Specialist Roster** in order to serve as the Specialist for this project. If you are interested in applying to the Roster in the meantime, please let out team know and we would be happy to help you with setting up your Roster account. For more information regarding this process and the program, visit <https://fulbrightspecialist.worldlearning.org/application-specialists/>.



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