



**Project code: 2022-1-IT02-KA171-HED-000073309**

*Home Institution:* **UNICAM – UNIVERSITÀ DI CAMERINO – School of Advanced Studies**

*Host Institution:* **TSTU –TASHKENT STATE TECHNICAL UNIVERSITY –Uzbekistan**

*Type of mobility:* **Long-term doctoral mobility**

*Duration:* from **09/04 to 21/07/2024**

*Description of the activities:*

**Research title:**

**Areas of Italy. To study the toxic effect of microalgae-based fertilizer on the seed germination and root length of higher plants by using the Phytotoxicity microbiotest kit.**

I conducted my research at the prestigious Laboratory of Soil Biodiversity and Sustainable Agriculture (SBSA) of the Faculty of Biology at the esteemed University of Camerino. Upon my arrival, I received invaluable guidance from the program coordinator, Ms. Sarah Rossini, which allowed me to seamlessly integrate into the program and adapt to life in Camerino. I express my sincere gratitude to Ms. Sara Rossini and the program organizers for this wonderful opportunity. The Erasmus+ mobility program not only honed my skills but also provided me with a profound understanding of European culture, and I cherish the friendships I made during my time in Italy.

My experience at the University of Camerino was exceptional, with access to state-of-the-art educational facilities and well-equipped laboratories that greatly contributed to my academic growth. The knowledge and experience I acquired there will undoubtedly propel my future research endeavors. I conducted insightful research on the varying effects of fertilizer concentrations on the germination index and root length of different plant species, observing positive results at lower concentrations of fertilizer compared to higher ones. I owe my deepest thanks to the Head of the SBSA Lab, Prof. Antonietta La Terza, and the excellent Lab Team: Dr. Martina Coletta, Dr. Natasha Waris, Dr. Marco Monticelli, and Dott. Aldo D'Alessandro for their unwavering support and guidance.

I extend my heartfelt appreciation to all who played a pivotal role in shaping my education during the Erasmus+ program.

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