

CURRICULUM VITAE

Personal data

Name: Gianluigi Mauriello

Birth date:

Birth place:

Address:

E-mail:

Education

Degree in Agricultural Science

Professional and scientific activity

Gianluigi Mauriello is Associate Professor of Food Microbiology in the Department of Agricultural Science, Division of Microbiology at the University of Naples Federico II.

He has a long teaching and research experience in the field of food microbiology. At present he teaches the course “Microbiology in the food industry”. He has previous teaching experience in Uganda at Gulu University within GuluNap Project. He is fluent in English.

He is author of more of fifty peer-reviewed papers.

Following the relevant research activities:

- Metabolomic approach to evaluate differences at strain level within a lactic acid bacteria population.
- Metabolomic approach to evaluate the technological performances and to differentiate on the base of geographical origin a set of natural whey cultures used for the production of water buffalo mozzarella cheese.
- Use of bacteriocins, essential oils and bacteriophages to control pathogenic and spoilage bacteria in food by using them as additives or by functionalization of food packaging materials.
- Proteomic approach to detect up- and down-regulation of stress response genes and related proteins in order to understand the mechanism of action of essential oils in *Salmonella enterica* ser. Thompson.
- Microencapsulation of probiotic bacteria for food functionalization purpose.

Country chosen: Uganda and Ethiopia