



AL MAGNIFICO RETTORE
DELL'UNIVERSITA' DEGLI STUDI DI MILANO

COD. ID:

Il sottoscritto chiede di essere ammesso a partecipare alla selezione pubblica, per titoli ed esami, per il conferimento di un assegno di ricerca presso il Dipartimento di Scienze Agrarie e Ambientali _____

Responsabile scientifico: _____ Prof.ssa Scaglia Barbara _____

Gultekin Hasanaliyeva

CURRICULUM VITAE

INFORMAZIONI PERSONALI

Cognome	Hasanaliyeva
Nome	Gultekin

OCCUPAZIONE ATTUALE

Incarico	Struttura
Research Fellow	Nottingham Trent University

ISTRUZIONE E FORMAZIONE

Titolo	Corso di studi	Università	anno conseguimento titolo
Laurea Magistrale o equivalente	Biology	Baku University State	2010
Specializzazione	Mycology	Baku University State	2012
Dottorato Di Ricerca	Agriculture (Crop Science)	Newcastle University	2018

ISCRIZIONE AD ORDINI PROFESSIONALI

Data iscrizione	Ordine	Città
2019-2022	Associazione Italiana per la Protezione delle Piante (AIPP)	Italy
2022-2024	Crop Health and Protection (CHAP)	UK



LINGUE STRANIERE CONOSCIUTE

lingue	livello di conoscenza
English	C2
Turkish	C2
Russian	B2
Italian	B1

PREMI, RICONOSCIMENTI E BORSE DI STUDIO

anno	Descrizione premio
2013-2018	PhD Scholarship from Government of Azerbaijan

ATTIVITÀ DI FORMAZIONE O DI RICERCA

descrizione dell'attività

- Designing and conducting field trials for various crop projects (etc. grapes, cereals, potato)
 - Phenological assessments
 - Diseases assessments
 - Biomass assessments
- Glasshouse and Controlled Environment Growing Systems
 - Plant propagation, fertilization, care and maintenance
 - Setting up LED light and nutrient solution recipes for improvement of plant growth performance and crop quality (lettuce; tomato) in hydroponic/aeroponic systems (modular container vertical farm)
 - Monitoring plant performance through 3D phenotyping machine (Phenospex)
 - Gas Exchange and photosynthetic measurements (Li-COR)
- Conducting phytochemical laboratory analysis using referenced methodologies
 - Sample preparation (fresh/lyophilized/drying/filtration/centrifugation)
 - Sample extraction (solid-liquid/liquid-liquid/ultrasound assisted) and optimization
 - Filtration, centrifugation and dilution
 - Polyphenol profile analysis (e.g. folin-ciocalteu/DPPH/ABTS/AlCl₃ assay)
 - Chromatography (LCMS, HPLC, GC-MS) and spectroscopy (UV-Vis) analysis
- Molecular Microbiology fundamentals
 - Aseptic techniques for bacterial culturing, isolating and purification
 - Staining techniques (e.g., Gram staining) and light microscopy.
 - DNA/RNA extraction
 - 16S PCR amplification, DNA purification and gel electrophoresis
 - DNA/RNA quality and quantity checks (Nanodrop/QUBIT)



- 16S sanger sequencing interpretation
- Antimicrobial testing using EUCAST methodology (Disk diffusion assay/MIC assay)
- 96-well plate crystal violet biofilm assay
- Data analysis
 - Statistical interpretation of results/dataset using different RStudio packages (etc. PCA, 'nlme', 'ggplot2')
 - Data cleaning, filtering, and visualisation with Phyton (Pandas, Matplotlib etc.)
 - Evidence synthesis and meta-analysis (weighted and unweighted)
- Project management
 - Quarterly meeting arrangement with stakeholders
 - Writing reports and presenting results
 - Regular communication with stakeholder
 - Risk, Resources and Budget management
 - Performance monitoring through deliverables and milestones
 - Use of web-based management tools (Slack, Teams)

ATTIVITÀ PROGETTUALE

Anno	Progetto
2019-2022	BIOVINE project, Università Cattolica del Sacro Cuore, Italy.
2022-2024	Innovate UK projects, Nottingham Trent University, UK.

TITOLARITÀ DI BREVETTI

Brevetto
2023-2024 Sustainable Research Talent Fund, Nottingham Trent University, UK (£10,000)

CONGRESSI, CONVEGNI E SEMINARI

Data	Titolo	Sede
2024	5th Global Food Security Conference- Towards equitable, sustainable and resilient food systems	Belgium
2022	EFFoST 2022	Ireland
2021	8° convegno nazionale di viticoltura 2021 (Università degli studi di Udine)	Italy



2020	Convegno Conavi 2020 (Universita degli studi di Udine)	Italy
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PUBBLICAZIONI

Articoli su riviste
Wang, J., Sufar, E.K., Bernhoft, A., Seal, C., Rempelos, L., Hasanaliyeva, G., Zhao, B., Iversen, P.O., Baranski, M., Volakakis, N. and Leifert, C., 2024. Mycotoxin contamination in organic and conventional cereal grain and products: A systematic literature review and meta-analysis. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 23(3), p.e13363. https://doi.org/10.1111/1541-4337.13363
Sufar, E.K., Hasanaliyeva, G., Wang, J., Leifert, H., Shotton, P., Bilsborrow, P., Rempelos, L., Volakakis, N. and Leifert, C., 2024. Effect of Climate, Crop Protection, and Fertilization on Disease Severity, Growth, and Grain Yield Parameters of Faba Beans (<i>Vicia faba</i> L.) in Northern Britain: Results from the Long-Term NFSC Trials. <i>Agronomy</i> , 14(3), p.422. https://doi.org/10.3390/agronomy14030422
Hasanaliyeva, G., Sufar, E.K., Wang, J., Rempelos, L., Volakakis, N., Iversen, P.O. and Leifert, C., 2023. Effects of Agricultural Intensification on Mediterranean Diets: A Narrative Review. <i>Foods</i> , 12(20), p.3779. https://doi.org/10.3390/foods12203779
Wilkinson, A., Wilkinson, J.N., Shotton, P., Eyre, M., Hasanaliyeva, G., Bilsborrow, P., Leifert, C. and Rempelos, L., 2022. Effect of clover sward management on nitrogen fixation and performance of following spring-and winter wheat crops; results of a 3-year pilot study. <i>Agronomy</i> , 12(9), p.2085. https://doi.org/10.3390/agronomy12092085
Hasanaliyeva, G., Si Ammour, M., Yaseen, T., Rossi, V. and Caffi, T. (2022) Innovations in Disease Detection and Forecasting: A Digital Roadmap for Sustainable Management of Fruit and Foliar Disease. <i>Agronomy</i> , 12(7), p.1707. https://doi.org/10.3390/agronomy12071707
Rempelos, L., Wang, J., Barański, M., ..Hasanaliyeva, G., et al. (2022) Diet and food type affect urinary pesticide residue excretion profiles in healthy individuals: Results of a randomized controlled dietary intervention trial. <i>The American Journal of Clinical Nutrition</i> , 115(2), pp.364-377. https://doi.org/10.1093/ajcn/nqab308
Hasanaliyeva, G., et al (2021) Effect of organic and conventional production methods on fruit yield and nutritional quality parameters in three traditional cretan grape varieties: Results from a farm survey. <i>Foods</i> , 10(2), p.476. https://doi.org/10.3390/foods10020476
León, M., Berbegal, M., Abad-Campos, P., Ramón-Albalat, A., Caffi, T., Rossi, V., Hasanaliyeva, G., Noceto, P.A., Wipf, D., Širca, S. and Razinger, J., 2021. Evaluation of sown cover crops and spontaneous weed flora as a potential reservoir of black-foot pathogens in organic viticulture. <i>Biology</i> , 10(6), p.498. https://doi.org/10.3390/biology10060498
Hasanaliyeva, G., et al. (2020) Effects of production region, production systems and grape type/variety on nutritional quality parameters of table grapes; results from a UK retail survey. <i>Foods</i> , 9(12), p.1874. https://doi.org/10.3390/foods9121874
Wang, J., Hasanaliyeva, G., et al. (2020) Effect of wheat species (<i>Triticum aestivum</i> vs <i>T. spelta</i>), farming system (organic vs conventional) and flour type (wholegrain vs white) on composition of wheat flour; results of a retail survey in the UK and Germany-1. <i>Mycotoxin content. Food chemistry</i> , 327, p.127011. https://doi.org/10.1016/j.foodchem.2020.127011

ALTRE INFORMAZIONI

Technology for Food Safety (Co-teaching), Universita Cattolica del Sacro Cuore, Italy



Integrated Vineyards Protection (Co-teaching), Università Cattolica del Sacro Cuore, Italy
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Plant Nutrition (Co-teaching), Summer School for Huazhong Agriculture University (HZAU) students, Nottingham Trent University

Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000.

Il presente curriculum, non contiene dati sensibili e dati giudiziari di cui all'art. 4, comma 1, lettere d) ed e) del D.Lgs. 30.6.2003 n. 196.

RICORDIAMO che i curricula **SARANNO RESI PUBBLICI sul sito di Ateneo** e pertanto si prega di non inserire dati sensibili e personali. Il presente modello è già precostruito per soddisfare la necessità di pubblicazione senza dati sensibili.

Si prega pertanto di **NON FIRMARE** il presente modello.

Luogo e data: _____, _____