

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name

VALERIA SPECCHIA

Address

UNIVERSITA' DEL SALENTO

Telephone

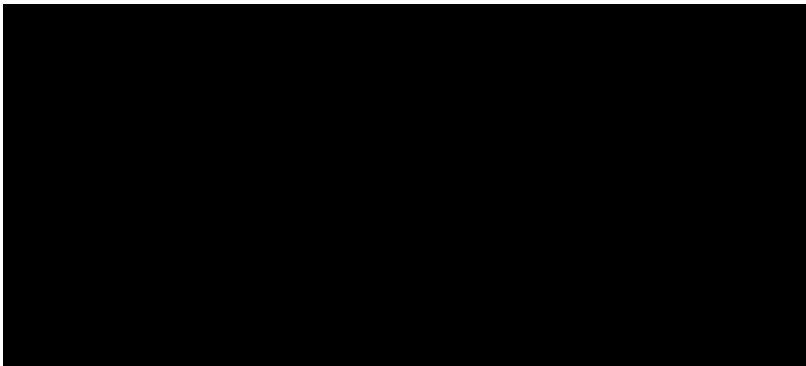
SCOPUS links

E-mail

Nationality

Date of Birth

Gender



WORK EXPERIENCE

- Dates (from - to)
- Name and address of the employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

January 2022 - today

Università del Salento – Department of Biological and Environmental Sciences and Technologies

Associate professor – Genetics (BIO/18)

- Dates (from - to)
- Name and address of the employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

November 2010 – December 2021

Università del Salento - Department of Biological and Environmental Sciences and Technologies

Researcher – Genetics (BIO/18)

- Dates (from - to)
- Name and address of the employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

November 2005 – December 2009

Università del Salento - Department of Biological and Environmental Sciences and Technologies

Post doc Researcher – (Genetics BIO/18)

EDUCATION AND TRAINING

- Dates (from - to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

2001-2004

Università del Salento

Genetics

Doctorate in Biology and Biotechnology

- Date

1999

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

Università degli Studi di Lecce

Experimental degree thesis in genetics

Graduate in Biological sciences

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE
OTHER LANGUAGES

ITALIAN
ENGLISH

SCIENTIFIC SKILLS AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

- Research interests (5 Key words): molecular genetics, DNA barcoding, eDNA metabarcoding, genetic model organisms, mobile genetic elements
- Author of 41 papers on Scientific Journals.
- Lecturer of 14 academic courses since 2011 (i.e. Genetics, Molecular and applied genetics).
- Organization and Communication at international congresses and national congresses (10 oral communications)
- Supervisor of more than 60 university theses (three-year, specialist and master's); guiding teacher and co-rapporteur of 5 doctoral students, 6 post doc researchers, 7 graduated international students
- Visiting researcher at IGBMC (Strasbourg) with a European molecular biology organization short term fellowship
- Lecturer of Genetics at the University of Jaen (Spain)

RELEVANT ROLES AND COMPETENCES

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

- Coordinator/Principal investigator of the research project titled "Environmental stress, transposable elements and genome evolution ", 2012-2015. Funding body-program: MIUR-FIRB Code RBFR10V8K6
- Scientific responsible of research unit of the project titled "Genomic testing of hypotheses on the origins of the Grecia salentina population and language", 2023-2025 Funding body-program: MIUR-PRIN 2022 code 2022PC2TSX
- Scientific responsible of the project titled "Tecnologie DNA-based per la sostenibilità e l'innovazione di un'impresa di maricoltura", 2022-2023. Funding body-program: Regione Puglia-RIPARTI
- Scientific responsible of FFABR 2017 funds. Funding body: MIUR
- Participant to the European COST Action "DNAqua-Net: Developing new genetic tools for bioassessment of aquatic ecosystems in Europe", 2018-2021. Funding body: European Union. Code CA15219
- Participant to the National Biodiversity Future Center (PNNR), Spoke 4, 2022-2025
- Participant to the project "Common strategies and best practices to Improve the transnational PROtection of ECOsystem integrity and services - ImPrEco". Funding body: European Union-Interreg V-B ADRION 2014- 2020.
- Other projects: PRIN 2004, PRIN 2007, Telethon 2012, CUIS 2015, PON BIO-D 2021. Role: Participant as researcher.
- Member of the scientific board of the University of Salento for the project "Interasia" 2016-2019
- Member of the scientific board of the University of Salento for the Erasmus plus project KA107 n.2019-1-IT02-KA107-061483 2019-2022
- Scientific responsible of an inter-institutional agreement between University of Salento and "Al Farabi Kazakh National University".
- Member of the board of the University of Salento for Spin off, from 2021

PUBLICATION INDEXES (SCOPUS)

- NUMBER OF PUBLICATIONS: 41
- TOTAL NUMBER OF CITATIONS: 1480
- H-INDEX: 12

10 MOST RELEVANT
PUBLICATIONS

1. **Specchia V.**, et al. Aubergine gene overexpression in somatic tissues of aubergine ^{sting} mutants interferes with the RNAi pathway of a yellow hairpin dsRNA in *Drosophila melanogaster*
Genetics **2008**, 178(3): 1271-1282
2. **Specchia V.**, Piacentini L., Tritto P., Fanti L., D'Alessandro R., Palumbo G., Pimpinelli S., Bozzetti M.P. Hsp90 prevents phenotypic variation by suppressing the mutagenic activity of transposons.
Nature, **2010**, 463(7281), pp. 662–665
3. Sorrentino G, Ruggeri N., **Specchia V et al.**, Metabolic control of YAP and TAZ by the mevalonate pathway.
Nature cell biology **2014**, 16(4): 357-366
4. Pawlowski J. et al.,. The future of biotic indices in the ecogenomic era: Integrating (e)DNA metabarcoding in biological assessment of aquatic ecosystems, M.
Science of the Total Environment, **2018**, 637- 638, pp. 1295–1310
5. **Specchia V**, Puricella A., D'Attis S., Giangrande A., Bozzetti M. *Drosophila melanogaster* as a model to study the multiple phenotypes, related to genome stability of the fragile-X syndrome.
Frontiers in Genetics, **2019**,
6. Pinna M., Saccomanno B., Marini G., Zangaro F., Kabayeva A., Khalaj M., Shaimardan L., D'Attis S., Tzafesta E., **Specchia V.** Testing the influence of incomplete DNA barcode libraries on ecological status assessment of mediterranean transitional waters.
Biology, **2021**, 10(11), 1092
7. **Specchia V.**, Bozzetti M.P. The role of HSP90 in preserving the integrity of genomes against transposons is evolutionarily conserved.
Cells, **2021**, 10(5), 1096
8. Napoletano F., Ferrari Bravo G., Voto I.A.P., Santin A., Celora L., Campaner E., Dezi C., Bertossi A., Valentino E., Santorsola M., Rustighi A., Fajner V., Maspero E., Ansaloni F., Cancila V., Valenti C.F., Santo M., Artimagnella O.B., Finaurini S., Gioia U., Polo S., Sanges R., Tripodo C., Mallamaci A., Gustincich S., D'Adda di Fagagna F., Mantovani F., **Specchia V.**, Del Sal G. The prolyl-isomerase PIN1 is essential for nuclear Lamin-B structure and function and protects heterochromatin under mechanical stress.
Cell reports, **2021**
9. Pinna M., Zangaro F., Saccomanno B., Scalone C., Bozzeda F., Fanini L., **Specchia V.** An Overview of Ecological Indicators of Fish to Evaluate the Anthropogenic Pressures in Aquatic Ecosystems: From Traditional to Innovative DNA-Based Approaches
Water **2023**, 15(5):949
10. **Specchia V.**, Zangaro F., Tzafesta E., Saccomanno B., Vadrucchi MR., Pinna M. Environmental DNA detects biodiversity and ecological features of phytoplankton communities in Mediterranean transitional waters.
Scientific reports, **2023**, 13(1):15192

