CURRICULUM VITAE – Oriano MARIN, *prof.*
Padua, 07/02/25

- **PERSONAL DATA**

Oriano Marin, Associate professor in Biochemistry
Dip.to di Scienze Biomediche and CRIBI Centro di Biotecnologie
Via Ugo Bassi, 58/B - 35131 Padova (Italy)
+39 049 8276151, 3298954415
oriano.marin@unipd.it

- **EDUCATION**

Graduated in Biological Sciences at the University of Padua in March 7th 1985, discussing an experimental thesis concerning: “Synthesis of peptides containing acidic cluster as substrates and inhibitor of a c-AMP independent liver protein kinase”, reaching 110/110 cum laude.

- **ACCADEMIC QUALIFICATION**

In the Academic years 1988-93 he made his PhD-Course in "Biology Molecular nnd Cellular Pathology" at the University of Padua working to a thesis with the title: “Synthesis and Characterization of peptides to study protein kinase”.
In the year 1992, prof. Marin has been named (nomination D.M. 27.06.1992) in the role of the University Researchers, for the grouping discipline BIO/10 (Biochemistry) at the Faculty of Medicine and Surgery with following confirmation through D.R. n° 13236/D of 22.07/1996. Since 2006 he is Associate Professor of Biochemistry at the School of Medicine and Surgery, University of Padua.

- **CORE COMPETENCY**

He has gotten specific competences in the field of the protein and peptide chemistry, purification of proteins and antibodies production. Prof. Marin has devoted to the planning of peptide libraries in the laboratory of Prof. Ronald Frank to the Centre of Biotechnologies GBF (Germany) for studying substrate specificity in protein phosphorylation.
Prof. Marin manages the Peptide Facility (http://peptidefacility.bio.unipd.it/) with a mission to supply synthetic peptide for medical and biological research.

- **RESEARCH TOPICS AND BIBLIOMETRICS**

a) Identification of novel bioactive peptides in food matrix using proteomic and peptide synthesis techniques. Research activity involves extracting and analyzing protein-derived peptides that exhibit health-promoting properties, such as antioxidant, antimicrobial, antihypertensive, and immunomodulatory activities. Through mass spectrometry, chromatography, and bioinformatics, these peptides are identified and assessed their potential functional applications in the food, nutraceutical, and pharmaceutical industries. The research aims to contribute to the development of functional foods and bioactive compounds with beneficial effects on human health.
b) Antimicrobial peptides (AMPs). Present research is focused on the synthesis, folding and structural characterization of a new AMP, known as Myticin C, identified from the analysis of the transcriptome in Mytilus.
c) Nanomedicine. Functionalization of nanoparticles with selective peptides for recognition of biological markers for early diagnosis of esophageal adenocarcinoma of the colon and rectum.

In complex the scientific production of Prof. Marin Oriano consists **of 179 Documents, 6657 Citations, H Index 45 (Web of Science e Scopus)** in the most important international magazines of biochemistry.
