

## GIUSEPPINA SANDRI

**Full Professor of Pharmaceutical Technology,  
Department of Drug Sciences, University of Pavia**

### Curriculum vitae

Giuseppina Sandri, born in Pavia on 5 September 1975, is married with three children. She is currently Full Professor of Pharmaceutical Technology at the Department of Pharmaceutical Sciences (University of Pavia).

Her research activity focuses on tissue engineering and nanomedicine. In particular, she deals with the design and development of scaffolds based on biomaterials, primarily polysaccharides and thermoplastics, for skin and orthopedic tissue repair (tendons/ligaments). Current projects focus on the formulation development of both drug delivery systems and medical devices, primarily with a fibrous structure prepared using spinning technologies, and on the design and development of smart packaging and the characterization of interactions between packaging and medicinal products. She is co-coordinator (with Prof. Silvia Rossi) of the Biopharmaceutics and Formulation Development laboratory (BforDev Lab) and is currently responsible for the activities of one RTDA, three post docs, four PhD students.

As part of the Third Mission, he deals with the planning and development of the pharmaceutical activities of the Gerolamo Cardano Park (UnipV) and the activities of the FARO supply chain (Development of a pharmaceutical production ecosystem (supply chain) to satisfy complex therapeutic needs and in response to unpredictable emerging situations), approved by the Lombardy Region and which she contributed to establish. She is also Faculty Advisor of the ISPE student chapter of the University of Pavia (which she promoted the foundation of), with the aim of strengthening and consolidating the relationships between the ISPE, the Industry and the Academia.

### Institutional positions

- Professor of Pharmaceutical Technology and Medicines Regulation, Pharmacy; Experimental Models in Biopharmaceutics, CTF and Medical-Pharmaceutical Biotechnology;
- Erasmus Coordinator of the Department of Drug Sciences, UNIPV;
- Coordinator of the post-graduation program in II level in cGMP compliance and validation in the pharmaceutical industry;
- Deputy Coordinator of the post graduation program in Sterilization process for industrial application;
- Member of the Board of the PhD School in Chemical, Pharmaceutical Sciences and Industrial Innovation at UniPV;
- Member of the Board of Directors of ISPE Italy affiliates (relations with the Academy) for the two-year periods 2020-2022, 2022-2024 and 2024-2026;
- Representative for the Department of Drug Sciences, at ETPN, European Technology Platform for Nanomedicines;
- Member of the working group to support the pro-rectorates of the Third Mission and Research for the establishment of the Cardano Park (rectoral appointment in 2020).

### Funded Research Projects (last 5 years)

#### European Projects

- European Commission HORIZON-CL4-2022-RESILIENCE-01-13 - Smart and multifunctional biomaterials for health innovations (RIA), Project ID:101092243 "smart and multiFunctional 3D printable prO-Regenerative biologiCal matrix modulating mEchanotRansduction as

advancEd theraPy to treAt skIn chRonic wounds" "FORCERPAIR" (G. Sandri UNIPV Principal investigator, 48 months; total EU grant: €5083k; UNIPV grant €325k (2023-2026));

- European Commission H2020-NMBP-HUBS-2018, Project ID: 814607 "Safety testing in the life cycle of nanotechnology-enabled medical technologies for health" (UNIPV Principal investigator, 48 months; total grant EU: 14,534 k€; UNIPV grant 487 k€ (2019-2023)).

### **National Projects**

- PNRR, M4 – NODES innovation ecosystems – Digital and Sustainable North West (Spoke 7 Participant) (G. Sandri UNIPV Participant Spoke 6, 36 months; €72.5k (2022-2025));

- PNRR, Project code PE00000003, "ON Foods - Research and innovation network on food and nutrition Sustainability, Safety and Security – Working ONFoods" (G. Sandri Participant Spoke 3 36 months; 245 k€ (2022-2025));

- University4Innovation Foundation – U4I: Project "Chondroitin sulfate scaffold for skin engineering" Coordinator of the research group, 18 months, grant: €60k (2019-2021).

### **Research Products**

No. of published works 181; No. of citations 6402; H index 47 (Scopus 04/24/2024).

Patents: 5.