

Demitrios H. Vynios, Ph. D. Professor



Dr. Demitrios Vynios is a Professor of Biochemistry at the University of Patras, Greece. He obtained his diploma in Chemistry (1980) and PhD in Biochemistry (1987) from the Department of Chemistry of the University of Patras. He had postdoctoral training (visiting scientist) on cartilage extracellular matrix biochemistry at the “Kennedy Institute of Rheumatology”, London, UK (1990-1991).

His research interests focus on: 1. Isolation, macromolecular structure, biochemical characterization, and immunological properties of proteoglycans and glycosaminoglycans of various organisms, in normal and pathologic conditions. 2. Isolation and characterisation of enzymes from various organisms, in normal and pathologic conditions. 3. Development and application of bioanalytical methods. 4. Macromolecular interactions of extracellular matrix macromolecules. 5. Development and application of methods for the detection of proteoglycan autoantibodies in serum. 6. Expression of extracellular macromolecules in cell cultures /Effect of natural products and synthetic drugs on their expression. 7. Production of Biofuels from wastes. 8. Preparation and examinations of tissue engineering scaffolds. 9. Hydroxyapatite formation *in vivo* and *in vitro*.

Dr. Vynios has published over 90 original and review papers in high-impact peer review journals in his field (see: <http://www.publicationslist.org/vynios>) and his published work has been cited more than 2350 times (Scopus, h index=27). He acts as reviewer in more than 40 peer review journals, and he participates in the Editorial Board of the World Journal of Gastrointestinal Endoscopy (<https://www.wjgnet.com/1948-5190/editorialboard.htm>).

Dr. Vynios has supervised 8 PhD and 41 MSc awarded studies. Several PhD and MSc projects are under progress. His research is funded by various public (GSRT, Research Committee of the University of Patras) and private sources. He has close collaboration at international level with the Laboratory of Extracellular Matrix (Research Unit MEDyc) of the University of Reims, France.

Dr. Vynios has been Director of the Post-Graduate Programme of the Department of Chemistry (2013-2018) and Director of the Division of Organic Chemistry, Biochemistry & Natural Products of the Department of Chemistry, University of Patras (2003-2005). He is now Director of the Inter-Institutional Post-Graduate Programme in “Applied Biochemistry: Clinical Chemistry, Biotechnology, Evaluation of Pharmaceutical Products” (2018-today). He is member of the “Association of Greek Chemists”, the “Hellenic Society of Biochemistry and Molecular Biology” and the “Hellenic Society of Connective Tissue Research”.

Office Address

Department of Chemistry, University of Patras, GR 265 04 Patras, Greece Tel: (+302610) 997914, E-mail: vynios@chemistry.upatras.gr / vynios@upatras.gr

Useful links

Departmental & Personal website:

www.chem.upatras.gr/faculty/vynios

List of Publications:

www.publicationslist.org/vynios

https://scholar.google.gr/scholar?hl=en&as_sdt=0%2C5&q=vynios&btnG=

Research Network:

<http://www.osteonet.gr/>

<http://www.biotargeting.upatras.gr>