

CURRICULUM VITAE
of Dr. Kostas Stamatakis
January 2022

DATE/ PLACE OF BIRTH: September 21,1960, Lamia, Greece
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ACADEMIC RECORD AND ACADEMIC POSITIONS

1978-1983: Undergraduate studies. Department of Biology, University of Patras, Greece. Diploma.

1984-1988: Graduate studies. Laboratory of Plant Physiology, Department of Biology, University of Patras. Academic advisor: Prof. Y. Manetas. Ph. D.Thesis title: Osmolytes and Phosphoenolpyruvate carboxylase (PEP-case). Effects on its catalytic and regulatory properties, apparently through self-assosiation of the enzymic protein. University of Patras 1989.

1985-1988: Post-graduate Training Fellowship at the University of Patras, Ministry of Education, Greece

1990-1992: Post doctoral, Institute of Biology, NRC Demokritos. Dr. G. C. Papageorgiou

1994 : Post doctoral, laboratory of Plant Physiology, University of Patras, in a European Research Program: “ The effect of enhanced UV-B radiation in plants under drought stress conditions”. Prof. Y. Manetas.

1995- 2004: Research Associate, Institute of Biology, NRC Demokritos, Athens, Greece.

7-9/ 1996 : Visiting scientist in Lab. of Regulation Biology, National Institute of Basic Biology, Okazaki, Japan. Prof. N. Murata.

9-11/ 1997 : Visiting scientist in Lab. of Regulation Biology, National Institute of Basic Biology, Okazaki, Japan. Prof. N. Murata.

1-3/2000 :Visiting scientist in Lab. of Regulation Biology, National Institute of Basic Biology, Okazaki, Japan. Prof. N. Murata

2004-2020: Researcher B, Head of Laboratory of Membrane Biophysics and Biotechnology, Institute of Biosciences and Applications, NCSR Demokritos, Athens, Greece.

11-12/2008: Visiting scientist in Department of Plant and Microbial Biology, University of Berkeley, California, USA. (Prof. A. Melis)

2020-today: Research Director Head of Laboratory of Membrane Biophysics and Biotechnology, Institute of Biosciences and Applications, NCSR Demokritos, Athens, Greece.

Scientific achievements

1. Guest Editor (special issue) "Photosynthesis Research". Official Journal of the International Society of Photosynthesis Research. ISSN: 0166-8595 (Print) 1573-5079 (On line) (IF 4,122).
2. Co-Chairman in International Congress "Photosynthesis research for sustainability-2015: in honor of Dr. G. C. Papageorgiou" September 21- 27, 2015, Kolybari, Chania, Crete
3. **Patents**
 - A. **Greek** Αρ. ΟΒΙ 20140100263/02.05.2014
 - B. **European**
N. Heliopoulos, Z. Sideratou, F. Katsaros, K. Stamatakis, S. Papageorgiou, Th. Tsoufis, "Novel Dendritic polymer-functionalized nanostructured carbon-based materials with antibacterial properties and their effect in the photosynthetic process", Filed in European Patent Office, Application Number EP15001320/4-5-2015

Reviewer:

The Journal of Physical Chemistry Letters (IF 8.539), Biochimica Biophysica Acta Bioenergetics (IF 4.864), PLOS ONE (IF 4.411), Photosynthesis Research (IF 4.122), FEBS letters (IF 3.519), Journal of Plant Physiology (IF 2.971), Photochemistry and Photobiology B: Biology (IF 2.008), Photosynthetica (IF 1.558), Brazilian Journal of Botany (IF 0.734)

Publications in referred journals (last 10 years)

1. Benaki, D., **Stamatakis, K.** Leondiadis, L, Mikros, E., Pelecanou, M (2012) Spectroscopic investigation of the interaction of curcumin with the beta-amyloid peptide of Alzheimer's disease. J. of Pep. Sci 18: 197-198 (IF 1,951)
2. Georgiadou, D., **Stamatakis, K.**, Efthimiadou, E.K., Kordas, G., Gantz, D., Chroni, A., Stratikos, E., (2013) Thermodynamic and structural destabilization of apoE3 by hereditary mutations associated with the development of lipoprotein glomerulopathy. Journal of Lipid Research 54: 164-176 (IF 4,368)
3. Heliopoulos, N.S., Papageorgiou, S.K., Galeou, A., Favvas, E.P., Katsaros, F.K., **Stamatakis, K.** (2013) Effect of copper and copper alginate treatment on wool fabric. Study of textile and antibacterial properties. Surface and Coatings Technology 235: 24-31. (IF 2,139)
4. **Stamatakis K.**, Tsimilli-Michael M., Papageorgiou G. C. (2014) On the question of the light-harvesting role of b-carotene in photosystem II and photosystem I core complexes. Plant Physiol. Biochem. 81: 121–127 (IF 2,928)
5. **Stamatakis, K.**, Papageorgiou, G.C. (2014) δ pH-dependent non-photochemical quenching (qE) of excited chlorophylls in the photosystem II core complex of the freshwater cyanobacterium *Synechococcus* sp PCC 7942. Plant Physiol. Biochem 81: 184–189 (IF 2,139)
6. Papatryfon X. L., Heliopoulos N. S., Molchan I. S., Zubeir L. F., Bezemer N.D., Arfanis M. K., Kontos A. G., Likodimos V., Iliev B., Romanos G. Em., Falaras P., **Stamatakis K.**, Beltsios K. G., Kroon M. C., Thompson G. E., Klöckner J., and Schubert T. J. S. (2014). CO₂ Capture Efficiency, Corrosion Properties, and

- Ecotoxicity Evaluation of Amine Solutions Involving Newly Synthesized Ionic Liquids. *Ind. Eng. Chem. Res.* 53 (30): 12083–12102. (IF 2,567)
7. Heliopoulos, N.S., Galeou, A., Papageorgiou, S.K., Favvas, E.P., Katsaros, F.K., **Stamatakis, K.** (2015) An in situ antimicrobial susceptibility testing method based on in vivo measurements of chlorophyll α fluorescence. *Journal of Microbiological Methods*, 112: 49-54 (IF 1,857)
 8. Kyzeridou, A., **Stamatakis, K.**, Petropoulou, Y. (2015) The non-foliar hypoxic photosynthetic syndrome: evidence for enhanced pools and functionality of xanthophyll cycle components and active cyclic electron flow in fruit chlorenchyma. *Planta*, 241: 1051-1059 (IF 3,239)
 9. Heliopoulos, N.S., Galeou, A., Papageorgiou, S.K., Favvas, E.P., Katsaros, F.K., **Stamatakis, K.** (2016) Modified in situ antimicrobial susceptibility testing method based on cyanobacteria chlorophyll a fluorescence. *Journal of Microbiological Methods*, 121: 1-4 (IF 1,857)
 10. **Stamatakis, K.**, Allakhverdiev, S.I., Garab, G., Govindjee (2016) Honoring George C. Papageorgiou. *Photosynthetica* 54: 158-160 (IF 1,409)
 11. **Stamatakis, K.**, Papageorgiou G. C., Govindjee (2016) Effects of exogenous β -carotene, a chemical scavenger of singlet oxygen, on the millisecond rise of chlorophyll a fluorescence of cyanobacterium *Synechococcus* sp PCC 7942. *Photosynthesis Research* 130: 317-324 (IF 4,122)
 12. Allakhverdiev, S.I., Tomo, T., **Stamatakis, K.**, Govindjee (2016) International conference on “Photosynthesis research for sustainability-2015” in honor of George C. Papageorgiou”, September 21–26, 2015, Crete, Greece. *Photosynthesis Research* 130: 1-10 (IF 4,122)
 13. Mavroidi, B., Sagnou, M., **Stamatakis, K.**, Paravatou-Petsotas, M., Pelecanou, M., Methenitis C. (2016) Palladium(II) and platinum(II) complexes of derivatives of 2-(40-aminophenyl) benzothiazole as potential anticancer agents. *Inorganica Chimica Acta* 444: 63–75 (IF 1,918)
 14. **Stamatakis, K.**, Vayenos, D., Kotakis, Ch., Gast, R.J., Papageorgiou, G.C. (2017) The extraordinary longevity of kleptoplasts derived from the Ross Sea haptophyte *Phaeocystis antarctica* within dinoflagellate host cells relates to the diminished role of the oxygen-evolving Photosystem II and to supplementary light harvesting by mycosporine-like amino acid/s. *Biochim. Biophys. Acta (Bioenergetics)* 1858: 189–195 (IF 4,864)
 15. Ellinas, K., Kefallinou, D., **Stamatakis, K.**, Gogolides, E., Tserepi A. (2017) Is there a threshold in the antibacterial action of superhydrophobic surfaces? *ACS Applied Materials & Interfaces* 9: 39781–39789 (IF 7,504)
 16. **Stamatakis, K.**, Broussos P.-I., Panagiotopoulou, A., Gast, R. J., Pelecanou, M., Papageorgiou, G. C. (2019) Light-adaptive state transitions in the Ross Sea haptophyte *Phaeocystis antarctica* and in dinoflagellate cells hosting kleptoplasts derived from it. *Biochim. Biophys. Acta (Bioenergetics)* 1860: 102–110 (IF 4,932)
 17. Kefallinou, D., Ellinas, K., Speliotis Th., **Stamatakis, K.**, Gogolides, E., Tserepi. A. (2019) Optimization of Antibacterial Properties of “Hybrid” Metal-Sputtered Superhydrophobic Coatings, 10, 25; doi:10.3390/coatings10010025 *Surfaces* (IF 2.33)
 18. Heliopoulos S. N., Kouzilos N. G., Papageorgiou S. K., **Stamatakis K.**, Katsaros F. K. (2020) Viscose fabric functionalized with Copper and Copper Alginate treatment toward Antibacterial and UV blocking Properties. *Fibers and Polymers* 21: 1238-1250 (IF 1.59)

19. Vayenos D., Romanos Em. G., Papageorgiou G. C., **Stamatakis K.** (2020) The freshwater cyanobacterium *Synechococcus* sp. PCC7942 under salt stress: A cell factory for sucrose and hydrogen production. *Photosynth. Research* 146: 235-245 (IF 4,122)
20. Heliopoulos S. N., Kythreoti G., Lyra K.M., Panagiotaki N.K., Papavasiliou A., Sakellis E., Papageorgiou S., Kouloumpis A, Gournis D., Katsaros K.F., **Stamatakis K.**, Sideratou Z. (2020) Cytotoxicity Effects of Water-Soluble Multi-Walled Carbon Nanotubes Decorated with Quaternized Hyperbranched Poly(ethyleneimine) Derivatives on Autotrophic and Heterotrophic Gram-Negative Bacteria. *Pharmaceuticals* 2020, 13: 293 (IF 5,68)
21. Samiotis, G., Stamatakis, K., Amanatidou, E (2021). Assessment of *Synechococcus elongatus* PCC 7942 as an option for sustainable wastewater treatment. *Water Science and Technology* 84: 1438-1451(IF 1,915)
22. Murata, N., Stamatakis K. (2022) George C. Papageorgiou and the protective role of glycine betaine in activation and stabilization of the oxygen-evolving photosystem II complex. *Photosynthetica* 60 (1): 21-24 (IF 3,189)
23. Samiotis, G., Stamatakis, K., Amanatidou, E (2022). Dimensioning of *Synechococcus elongatus* PCC 7492 cultivation photobioreactor for valorization of wastewater resources *Chemical Engineering Journal* 134895, (IF 13,273)