

Professor Dr. Alexandros A. Vassiliadis

Dyeing and Finishing Laboratory,  
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**Education:**

B.S. in Chemistry, University of Patras, Greece (1982)

Ph.D. in Polymer Chemistry, National and Kapodistrian University of Athens, Greece (1992)

**Teaching:**

Principles of Dyeing and Finishing (Graduate Course)

Color and Advanced Fibers (Graduate Course)

Decoloration and Bleaching (Graduate Course)

Advanced Synthetic Fibers (Graduate Course)

General Chemistry (Graduate Course)

Mass and Energy Transfer in Dyeing Systems (Graduate Course)

Design of Smart Fabrics (Post-Graduate Course, University of the Aegean, Greece)

Design of Fabrics with Special Qualities (Post-Graduate Course, University of the Aegean, Greece)

**Fields of Interest:**

Radical Polymerization

Synthesis and Characterization of Polymers

Dyeing of Synthetic Polymers

Dyeing Properties of Polyaramid Fibers

Retention of Dyestuffs by Inorganic Adsorbents

Dye–Clay Hybrid Nanocomposites

**Book Authorship:**

“Chemical Reactions of Organic Compounds” (Athens, 1993, in Greek)

“Dyeing and Finishing Technology” (5<sup>th</sup> Ed., Athens, 2000, in Greek)

“Synthetic High Performance Fibers” (Piraeus, 2001, in Greek)

“Fabric Design – Color I” (Athens, 2005, in Greek, 3 co-authors)

“Fabric Design – Color II” (Athens, 2005, in Greek, 3 co-authors)

“Bleaching Processes of Textiles” (5<sup>th</sup> Ed., Athens, 2009, in Greek)

**Graduate Dissertations:** 20

**Post-Graduate Dissertations:** 4

**Representative Publications:**

A. A. Vassiliadis, "Aqueous Bath Dyeing of Vinylferrocene Copolymers with C.I. Disperse Blue 165", *Chimika Chronika, New Series*, **26**, 429 (1997)

A. A. Vassiliadis, M. Roulia, "Application of C.I. Disperse Blue 56 to Poly(p-phenyleneterephthalamide) Fibers", *Applied Research Review*, **8**, 131 (2003)

M. Roulia, A. A. Vassiliadis, "Interactions between C.I. Basic Blue 41 and Aluminosilicate Sorbents", *Journal of Colloid and Interface Science*, **291**, 37 (2005)

A. A. Vassiliadis, M. Roulia, C. M. Boussias, "Disperse Dyeing Systems for p-Aramid Fibers", *Proceedings of the 37<sup>th</sup> International Symposium on Novelties in Textiles*, Ljubljana, 2006

M. Roulia, A. A. Vassiliadis, "Sorptions Characterization of a Cationic Dye Retained by Clays and Perlite", *Microporous and Mesoporous Materials*, **116**, 732 (2008)

M. Roulia, A. A. Vassiliadis, "Clay-Catalyzed Phenomena of Cationic-Dye Aggregation and Hydroxochromium Oligomerization", *Microporous and Mesoporous Materials*, **122**, 13 (2009)

M. Roulia, T. Mavromoustakos, A. A. Vassiliadis, G. Mali, "Distinctive Spectral and Microscopic Features for Characterizing the Three-Dimensional Local Aluminosilicate Structure of Perlites", *Journal of Physical Chemistry, C*, **118**, 26649 (2014)