



CURRICULUM VITAE

DATE PERSONALE:

PRENUME: Michaela Dina NUME: STANESCU

e-mail: stanescu@uav.ro;

michaela.stanescu@chim.upb.ro;

stanescumichaeladina@gmail.com

FUNCTIA ACTUALA:

Din 2010 Profesor emerit - University AUREL VLAICU, 77 Blvd. Revoluției, 310130 Arad, ROMANIA, Facultatea de Inginerie alimentara, Turism si Protectia mediului, Departamentul de Stiinte tehnice si ale naturii

Din 2004 Conducator de doctorat, membru al Scolii doctorale a Facultatii de Inginerie Chimica si Biotehnologii, Str. Gh. Polizu 1-7, 011061, Bucuresti. Universitatea POLITEHNICA

FUNCTII ANTERIOARE:

1997-2010, Profesor - Facultatea de Inginerie alimentara, Turism si Protectia mediului, Universitatea AUREL VLAICU, Arad

1995-1997, Conferentiar - Facultatea de Inginerie alimentara, Turism si Protectia mediului, Universitatea AUREL VLAICU, Arad

1988-1995, Sef lucrari – Facultatea de Chimie Industriala a Institutului Politehnic Bucuresti (in prezent Universitatea POLITEHNICA Bucuresti)

1968-1988 Cercetator – Centrul de Chimie Organica “C. D. Nenitzescu” al Academiei Romane

1972-2016 Activitate de invatamant la Institutului Politehnic Bucuresti (plata cu ora)

POZITII de MANAGEMENT:

1995-2004 Sef Departamentul de Textile - Universitatea AUREL VLAICU, Arad

2004-2008 Pro-Rector cu cercetarea - Universitatea AUREL VLAICU, Arad

2004-2015 Reprezentant al Societatii de Chimie in European Chemistry and Chemical Engineering Network

EDUCATIE:

1963-1968 – Facultatea de Chimie Industrială a Institutului Politehnic București [șef de promoție, media 9.98 (from 10.00)]. Diploma sinteza de medicamente cu Prof. Ecaterina Nenitescu-Cioranescu;

1972 – Specializare în Gaz Cromatografie –Universitatea București;

1982 – Doctorat în Chimie Organică (conducător Acad. Ecaterina Cioranescu-Nenitescu);

1992 – Stagiul Postdoctoral la TU Darmstadt, Institutul de Chimie organică - Germania, Prof. Herbert Mayr (bursă DAAD);

1992 – Stagiul Postdoctoral la Monash University – Australia, Prof. R.F.C. Brown (bursă dată de Australian Council of Research);

1997– Specializare în Biochimie – curs organizat de Universitatea București;

Domenii de cercetare:

Biotehnologii aplicate în domeniile alimentară și textil, Sinteza Organică fină, Chimie Coordinativă, Antioxidanți din alimente: surse și proprietăți, Valorificare deșeurilor (textile, produse alimentare)

PUBLICATII:

Carti și Capitole carti: 21

Brevete: 5

Publicatii în reviste științifice și materiale Conferințe: 150

Publicatii (selectie):

Carti și Capitole carti):

- P. Filip, **M.D. Stanescu**, An artisan of Organic Synthetic Chemistry in PORTRAITS OF REMARKABLE WOMEN FROM THE HISTORY OF ROMANIAN CHEMISTRY editor **M.D. Stanescu**, Ed. POLITEHNICA Press, 2019 pp 11-12, (ISBN 978- 606-515-859-7 (engleza)
- **M.D. Stanescu**, Ecaterina Cioranescu-Nenitescu an outstanding teacher in PORTRAITS OF REMARKABLE WOMEN FROM THE HISTORY OF ROMANIAN CHEMISTRY editor **M.D. Stanescu**, Ed. POLITEHNICA Press, 2019 pp 28-30, ISBN 978-606-515-859-7 (engleza)
- **M.D. Stanescu**, First Romanian woman engineer in PORTRAITS OF REMARKABLE WOMEN FROM THE HISTORY OF ROMANIAN CHEMISTRY editor **M.D. Stanescu**, Ed. POLITEHNICA Press, 2019 pp 28-30, ISBN 978-606- 515-859-7 (engleza)

- P. Filip, **M.D. Stanescu**, I. Grosu Chimia organică in ISTORIA CHIMIEI ROMÂNEȘTI, coordonator P.T. Frangopol, Ed. Academiei Române, 2018, pp.61-76, ISBN 978-973-27-2890-1.
- S. Gavrilas, **M.D. Stanescu**, POLIHIDROXIFENOLI ALIMENTARI: structuri, surse, proprietati, influenta tratamentelor enzimactice, Ed Univ. Aurel Vlaicu, 2015, ISBN 978-973-752-688-5 (50 p din 83 p)
- **M.D. Stanescu**, PESTICIDES. SYNTHESIS, ACTIVITY AND ENVIRONMENTAL ASPECTS, Ed. Printech Bucuresti, 2014, ISBN 978-606- 23-0315-0, 483 p (engleza)
- **M.D. Stanescu**, S. Mihuta, M.S. Bucur, M. Raileanu, D. Popovici, Wool Finishing with Enzymes in ADVANCES in BIOTECHNOLOGY for TEXTILE PROCESSING, Editori R. Hardin, D.E. Akin si S.J. Wilson, Univ. of Georgia, Athens, 2002, ISBN 09723620-0-2, pp. 109-116 (engleza)
- **M.D. Stanescu**, S. Mihuta, Ecological Solutions for Polyester Decortication in ADVANCES in BIOTECHNOLOGY for TEXTILE PROCESSING, Editori R. Hardin, D.E. Akin si S.J. Wilson, Univ. of Georgia, Athens, 2002, ISBN 09723620-0- 2, pp. 159-166 (engleza)
- **M.D. Stanescu**, E.L. Puscas, M. Pustianu E.L. Puscas, M. Fogorasi, V. Dalea DEZVOLTAREA DURABILA prin PROTECTIA MEDIULUI si BIOTEHNOLOGII TEXTILE, Ed. Universitatea "Aurel Vlaicu", Arad, 2002, ISBN 973-9361-91-9 (105 p din 325 p)
- **M.D. Stanescu**, E.L. Puscas, M. Pustianu, ELEMENTE de ECOLOGIE TEXTILA si ECOTOXICOLOGIE, Ed. Mirton, Timisoara, 2002, ISBN 973-585-788-X (70 p din 214 p)
- **M.D. Stanescu**, A. Marton. G. Marton SOURCES OF INFORMATION IN CHEMICAL LITERATURE, Ed. Universitatea "Aurel Vlaicu", Arad, 1997, ISBN 973-98366-8-2 (90 p din 150p) (engleza)
- **M.D. Stanescu**, COLORANTI ORGANICI, Ed. Universitatea "Aurel Vlaicu", Arad, 1996, ISBN 973-97708-1-9 (191 p)

Publicatii in Reviste ISI:

- M. Tociu, A. Hirtopeanu, **M.D. Stanescu**, Improving Grape Seed Oil Extraction by Enzymatic Seed Pretreatment, *Grasas y Aceitas*, **2021**, 70(4), e434.
- **M.D. Stanescu**, State of the art of post-consumer textile waste up-cycling to reach the zero waste milestone, *Environ. Sci. Pollut. Res.*, **2021**, 28, 14253–14270.
- M. Pelmus, E. Ungureanu, **M.D. Stanescu**, L. Tarko, Electrochemical and QSPR studies of several hydroxy- and amino- polysubstituted benzenes constituents of useful compounds, *J. Appl. Electrochem.*, **2020**, 50, 851-862.
- D. Chambre, M. Tociu, **M.D. Stanescu**, C. Popescu, Influence of composition on the thermal behavior of oils extracted from the seeds of some Romanian grapes, *J. Sci. Food Agric.*, **2019**, 19 (14), 6324-6332.
- **M.D. Stanescu**, M. Fogorasi, Biotechnology a tool for modification of cotton fibre, *Chimica oggi*, **2018**, 36(5), 56-58.
- A. Sanislav, M. Fogorasi, **M. D. Stanescu**, S. Muntean, M. Dochia, Ultrasound Effect on Dyeing Wool Fibers with Two Anthraquinone Dyes, *Fibers Polym.*, **2015**, 16, 62-66.
- **M.D. Stanescu**, S. Gavrilas, R. Ludwig, D. Haltrich, V. I. Lozinsky, Preparation of immobilized *Trametes pubescens* laccase on a cryogel-type polymeric carrier and application of the

biocatalyst to apple juice phenolic compounds oxidation, *Eur Food Res Technol*, **2012**, 234, 655–662 .

- **M.D. Stanescu**, A. Sanislav, R.V. Ivanov, A. Hirtopeanu, V.I. Lozinsky, Immobilized Laccase on a New Cryogel Carrier and Kinetics of Two Anthraquinone Derivatives Oxidation, *Appl. Biochem. Biotechnol.*, **2011**, 165, 1789–1798.
- **M.D. Stanescu**, M. Fogorasi, B.L. Shaskolskiy, S. Gavrilas, V.I. Lozinsky, New potential biocatalyst by laccase immobilisation in PVA cryogel type carrier, *Appl. Biochem. Biotechnol.*, **2010**, 160, 1947-1953.
- **M.D. Stanescu**, M. Dochia, D. Radu, C. Sirghie, Green Solution for Cotton Scouring, *FIBRES & TEXTILES in Eastern Europe*, **2010**, 18, No. 3 (80) 109-111.
- **M.D. Stanescu**, F. Harja, C. Mosorca, A. Zamfir, Biogenic Amines Fingerprints Evidenced by performant MS Analysis, *Rev. Roum. Chim.*, **2010**, 55, 105-1059.
- T. Visnapuu, A.D. Zamfir, C. Mosoarca, **M.D. Stanescu**, T. Alamae, Fully automated chip-based negative mode nanoelectrospray mass spectrometry of fructooligosaccharides produced by heterologously expressed levansucrase from *Pseudomonas syringae* pv. tomato DC3000, *Rapid Commun. Mass Sp.*, **2009**, 23, 1337-1346.
- **M.D. Stanescu**, C. Popescu, A. Rus, C. Guran, Thermal Behaviour of Some Dibenzobicyclo[2.2.2]octane derivatives, *J. Therm. Anal. Calorim.*, **2008**, 91, 535-538.
- S. Girotti, D. Fabbri, V. Baravelli, **M.D. Stanescu**, C. Draghici, P. Restani, E. Chirila, Environmental studies in Italian Universities, *Environmental Engineering and Management Journal*, **2005**, 4, 177-182
- **M.D. Stanescu**, Biotehnologii Textile. Prezent si Perspective, *Industria Textila*, **2003**, 54, 105-10
- **M.D. Stanescu**, I. Jitaru, O. Oprea, O.A. Jinga, Coordination Compounds of a Potential Polydentate Ligand 3. Co(II) and Ni(II) Complexes of an α -Aminoketone, *Roum.Biotechnol.Lett.* , 1998, 3, 83-89.
- **M.D. Stanescu**, C. Guran, I. Jitaru, Coordination Compounds of a Potential Polydentate Ligand *New J. Chem.* , **1998**, 295-298.
- **M.D. Stanescu**, Dibenzotropylium Ion Chemistry, *Roum. Chem. Quart. Rev.*, **1996**, 4, 107-121.
- S.A. Osadchii, **M.D. Stanescu**, V.I. Mamatyuk, V.G. Shubin, Fragmentation of 1-Hydroxy-2-(5Hdibenzo[a,d]cyclohepten-5yl)-1-phenylethyl Cation in Superacid, *Russ. Chem. Bull.*, **1996**, 45, 381-383.
- J. Henninger, H. Mayr, M. Patz, **M.D. Stanescu**, Electrophilic Reactions of the Dibenzotropylium Ion. *Liebigs Ann.*, **1995**, 2005-2009. (in prent *European Journal of Organic Chemistry*).
- M.D. Banciu, **M.D. Stanescu**, A. Petride, L. Parvulescu, M. Pop, Flow Vacuum Pyrolysis of Polycyclic Compounds 6. Pyrolysis of Dibenzotropylium (CH)₈ Hydrocarbons, *Chem. Ber.*, **1993**, 126, 2513-2517. (in prent *European Journal of Organic Chemistry*).
- M.D. Banciu, **M.D. Stanescu**, C. Florea, A. Petride, C. Draghici, E. Cioranescu, Benzoannelated Valence Isomers of Homoannulenes I. Thermal Behaviour of Some Dibenzotropylium C₉H₁₀

Hydrocarbons, *Bull. Soc. Chim. France*, **1991**, 128, 919-925. (in present *European Journal of Organic Chemistry*).

- M. Stanescu, M. Banciu, A.T. Balaban, 1-Oxonia- and 1-Aza- Analogues of Triptycene *Rev. Roum. Chim.*, **1989**, 34, 617-622.

Conferinte invitate, in plen sau la sectii (selectie):

- 2021 Various solutions to textile dye pollution, Quo Vadis Life Sciences, Opole, Polonia, on-line.
- 2021 Spectroscopy a tool for food analysis, Symposium of the American Romanian Academy of Arts and Sciences (ARA), SUA on-line.
- 2021 Thermal analysis a valuable tool for studying polimer composites, Macro21, Iasi, on-line
- 2018 Suggestions pour la valorisation complexe des pépins de raisin, Dixième Colloque Franco-Roumain de Chimie Appliquée, Bacău, Romania de
- 2014 Laccase a versatile enzyme and its applications in food and textile domains, a XXXIII-a Conferinta Nationala de Chimie, Calimanesti-Caciulata, Romania.
- 2014 Applications des pectinases dans les industries textile et alimentaire, Huitième Colloque Franco-Roumain de Chimie Appliquée ENSCM, Montpellier, Franta.
- 2013 Immobilized laccase for waste water dye degradation, the XXIIIrd Congress of IFATCC, Budapesta, Ungaria
- 2010 Thermal Behaviour of Biomaterials Based on Cryogel PVA, 7th International Conference of the Chemical Societies of the South European Countries. Bucuresti, Romania.
- 2010 Syntheses et transformations des composes dibenzocycloheptenique, Sixième Colloque Franco-Roumain de Chimie Appliquée, Orleans, Franta.

PROIECTE (Coordonator/membru in echipa de cercetare a unor proiecte de cercetare, la nivel national si international; peste 30 de participari)

Exemple:

- Technologie pentru sinteza 2-etilantrachinonei (cercetare de laborator, pilot si tehnologie omologata, director de proiect - Centrul de Chimie Organica, finantat de Ministerul Chimiei)
- Dezvoltarea in Universitate de discipline noi privind protectia mediului (director de proiect – proiect elaborate de Universitatea Aurel Vlaicu in cooperare cu Universitatea Politehnica Timisoara, finantat de Banca Mondiala si Guvernul Romaniei)
- Biotechnology for textile wastewater treatments (coordonator Romania, proiect bilateral Romania Slovenia – Universitatea Aurel Vlaicu, finantat de Ministerul Educatiei)
- BIOTECH, Technologie pentru bio-valorificarea deseurilor textile (director partner – Universitatea Aurel Vlaicu, finantat de Ministerul Educatiei si Cercetarii)
- Immobilized enzymes on/in cryogel polymers – preparation and applications (coordonator Romania, proiect bilateral Romania- Federatia Rusa – Universitatea Aurel Vlaicu, finantat de Ministerul Educatiei si Cercetarii)
- European Chemistry and Chemical Engineering Education Network 1 and 2 (coordonator Romania)

- COST 847 Textile quality and biotechnology (coordonator Romania)
- COST 928 Control and exploitation of enzymes for added-value food products (coordonator Romania)

PREMII:

- 1991 Premiul **C.D. Nenitescu** al Academiei Romane pentru activitea de cercetare stiintifica
- 2006 Diploma si medalia **Gheorghe Spacu** – pentru activitatea depusa la Societatea de Chimie din Romania
- 2009 Diploma si medalia **C.D. Nenitescu** - pentru activitatea depusa la Societatea de Chimie din Romania
- 2019 Diploma si medalia **C. Istrati** - pentru activitatea depusa la Societatea de Chimie din Romania
- Premii CNCSIS pentru lucrari publicate in zonele Q₁ si Q₂: 6 publicatii

ORGANIZARE de CONFERINTE:

- 16th, 17th and 18th International conference of Chemistry and the Environment (ICCE 2017, 2019, 2023), conferinta de mediu a EUCHEMS
- Initiator al International Symposium Research and Education in an Innovation Era (ISREIE), organizat de the Universitatea AUREL VLAICU;
- International Conference of the Chemical Societies of the South European Countries editiile 7 si 9 organizate in Romania .

Membru Organizatiilor stiintifice:

- Societatea Romana de Chimie (Secretar general: 2001-2005, 2005-2011, 2016-2021; Vicepresedinte din 2021)
- EUCHEMS (Membru al Diviziei Chimia si Mediul)
- European Biotechnology Federation (expert national)

Limbi straine cunoscute: Franceza, Engleza

INTELEGERE		VORBIT		SCRIS
Ascultare	Citit	Dialog	Debit verbal	
C2	C2	C2	C2	C1
C1	C2	C1	C1	B2

Nivel: A1/2: Basic - B1/2: Utilizator Independent - C1/2 Utilizator Proeficient

Alte informatii:

Evaluator la Reviste ISI (peste 30 de reviste);

Evaluator Proiecte;

Evaluator Teze de doctorat.

Membru in colectivul editorial al unor reviste:

- *Food Science and Technology* [ISSN: 2331-513X (Print), ISSN: 2331-5156 (Online)]
- *Romanian Journal of Ecology & Environmental Chemistry* [ISSN: 2668-8530 (Online)]
- *Buletinul Societatii de Chimie din Romania* [www.schr.ro]

Hobiuri:

- Muzica de Opera si Clasica;
- Calatoriile;
- Impletit cu andrele.

4.04.2022