

# Curriculum Vitae

## Personal information

<b>Name:</b>	<b>Cristian–Dragos Varganici</b>
<b>Date and place of birth</b>	January 14 <sup>th</sup> , 1986, Iasi, Romania
<b>Address:</b>	41A Grigore Ghica–Voda Alley 700487, Iasi, Romania
<b>Gender:</b>	Male
<b>Nationality:</b>	Romanian
<b>Phone number:</b>	+4 0232 217 454
<b>E-mail:</b>	<a href="mailto:varganici.cristian@icmpp.ro">varganici.cristian@icmpp.ro</a>
<b>Maternal Language:</b>	Romanian
<b>Foreign language:</b>	English (C2), German (B1)

## Occupation and Education

2020–present	<ul style="list-style-type: none"><li>Senior Scientist, Centre of Advanced Research in Bionanoconjugates and Biopolymers (IntelCentre), “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania</li></ul>
2011–2014	<ul style="list-style-type: none"><li>Ph.D. in Chemistry from the Romanian Academy, “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania under the supervision of Acad. Bogdan C. Simionescu (Summa cum Laude) (February 6<sup>th</sup>, 2015)</li></ul>
2009–2011	<ul style="list-style-type: none"><li>M.Sc. in Polymer Science and Engineering from the Technical University “Gheorghe Asachi”, “Cristofor I. Simionescu” Faculty of Chemical Engineering and Environmental Protection, Iasi, Romania under the supervision of Acad. Bogdan C. Simionescu</li></ul>
2005–2009	<ul style="list-style-type: none"><li>B.Sc. in Polymer Science and Engineering from the Technical University “Gheorghe Asachi”, “Cristofor I. Simionescu” Faculty of Chemical Engineering and Environmental Protection, Iasi, Romania</li></ul>

## Involvement in projects

2020–2022	<ul style="list-style-type: none"><li>PN-III-P1-1.1-TE-2019-0604, The behaviour of new multicomponent polymeric systems in simulated environmental conditions for flame retardant coating materials (EPOXYPHOSDEG) (<i>director</i>)</li></ul>
2017–2019	<ul style="list-style-type: none"><li>ERA IB 2, European and International Cooperation Program Horizon H2020/ Wood and derivatives protection by novel bio-coating solutions (PROWOOD) (<i>member</i>)</li></ul>
2013–2017	<ul style="list-style-type: none"><li>Project PN-II-PT-PCCA-2013-4-0436, Innovative system for products and technologies for stimulation of eco–efficiency growth in the leather industry; Partnership Project (PROECOPEL) (<i>member</i>)</li></ul>

2013	<ul style="list-style-type: none"> <li>European Project Regional Development Fund, Sectoral Operational Programme “Increase of Economic Competitiveness”/ Title: “Synthesis and study of the polymeric metallosiloxanes - new materials for catalysis and nanosciences” (SOP IEC-A2-O2.1.2-2009-2, ID 570, CODE SMIS-CSNR: 12473, Contract 129/2010-POLISILMET) (<i>member</i>)</li> </ul>
2013-2016	<ul style="list-style-type: none"> <li>Project PN-II-RU-TE-2012-3-0123, Polymers containing phosphor for high performance materials for advanced technologies and/or biomedical applications (<i>member</i>)</li> </ul>
2011-2016	<ul style="list-style-type: none"> <li>Project PN-II-ID-PCE-2011-3-0187, Advanced researches related to the behavior of multi-component polymer systems under simulated environmental factors action (<i>member</i>)</li> </ul>

## Fields of research

- physico-chemical characterization of epoxy resins and multicomponent polymeric materials (polymer blends, composites, interpenetrating and semi-interpenetrated polymer networks)
- thermal and photochemical stability of polymeric materials;
- compatibility studies based on structure-properties relationships in polymeric materials;
- general behavior of polymers exposed under the action of environmental factors;
- artificial accelerated UV aging studies of multicomponent polymeric materials;
- lifetime evaluation studies of materials from thermal data.

## Personal Skills

- Teamwork skills
- Individual work ability
- Creative and communicative person

## Skills related to the research activity

- determination of non-isothermal degradation kinetic parameters;
- interpretation of evolved gas analyses during thermal decomposition for elucidating thermal decomposition mechanisms;
- determination of photochemical stability of polymers, by: evaluation of irradiation dose influence on material photostability;
- investigation of (surface) properties modification during photoirradiation (gloss, colour, roughness, contact angle, mass loss, swelling degree) for elucidating photodecomposition mechanisms;
- studies on the possibility of photostabilization and lifetime prediction from photochemical data;
- advanced knowledge of field specific characterization methods (FTIR, UV-VIS, GC, MS, MCC, PCFC), recording and interpretation of TGA and DSC spectra;
- basic knowledge of characterization and analysis techniques for small and macromolecular molecules: SEM, AFM, TEM, DRX, XPS and GPC.

## Digital skills

- Good knowledge of Microsoft Office (Word, Excel, PowerPoint), scientific programs (ChemDraw, Origin) and other applications in the scientific activity (Browser, E-mail, Paint, MediaPlayer).
- Basic knowledge of HTML.

## Scientific Contribution

- **105** scientific articles published in ISI indexed journals
- **4** book chapters
- **13** articles/studies published in full in the volumes of recognized international/national scientific events in the country and abroad
- **36** oral communications at national and international symposia
- **79** poster communications at national and international symposia

## Scientific Visibility

- *H*-index: **24** (according to ISI Web of Science, February 2023)
- Total citations (without self-citations): **1253** (according to ISI Web of Science, February 2023)

## Editorial activity

- Editorial board member and Guest Editor for Polymers (MDPI)
- Editorial board member for Materials (MDPI)

## Awards

- Romanian Academy Award “Costin D. Nenitescu” (3 December 2020, Bucharest, Romania)
- The “Andrzej Malecki” 2019 Grant for Best Young Researcher from Central & Eastern Europe in the field of Thermal Analysis and Calorimetry (CEEC-TAC5 & Medicta, 27 August 2019, Rome, Italy)

## Member in Scientific societies

- Romanian Chemical Society (SChR)
- ICTAC (International Confederation for Thermal Analysis and Calorimetry)
- CATCAR (Commission for Thermal Analysis and Calorimetry of the Romanian Academy)
- Associazione Italiana di Scienza e Tecnologia delle Macromolecole (AIM)