

## CURRICULUM VITAE

<b>Personal information</b>	
First name(s) / Surname(s)	<b>Nechita Petronela</b>
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Nationality	Romanian
Gender	F
Actual occupation	<b>Since 2019</b> Professor habil. at "Dunărea de Jos" University, Galați, Romania Faculty of Engineering and Agronomy Braila, Romania Department of Environmental, Applied Engineering and Agronomy Fundamental and Engineering Sciences – Biotechnology/Ph.D Supervisor
<b>Professional experience</b>	
<b>Period</b>	<b>2016-2020</b> <b>2014 – 2019</b> <b>2012-2014</b>
Occupation or position held	<b>Vice dean</b> <b>Associated professor</b> <b>Ph.D. lecturer</b>
Main activities and responsibilities	Didactic activity in the field of Environmental Engineering: classes lectures, laboratory and project in the field of Waste Water Treatment Technologies, Advanced Waste Water Technologies, Technologies for pollutant waste neutralisation, Biotechnologies and Chemistry  Research activity in the field of: Chemical Engineering, Biotechnologies, Environmental Engineering, Vegetal resources valorization Coordination of didactic and research activity within Faculty of Engineering and Agronomy Brăila Coordinator of Committee of Research Infrastructure within Dunărea de Jos University of Galați
Name and address of employer	Dunărea de Jos University of Galați – Faculty of Engineering and Agronomy Braila – Department of Environmental, Applied Engineering and Agronomy <a href="http://www.ugal.ro">www.ugal.ro</a>
Type of business or sector	Higher Education
<b>Period</b>	<b>2008 – 2015</b>
Occupation or position held	<b>Scientific Deputy, Scientific Researcher II</b>

Main activities and responsibilities	<p>Managing of research projects in field of: special composite materials based on cellulose fibres, paper durability, paper based packaging, security papers, environmental protection</p> <p>Managing projects of support and training programmes for human resources from pulp and paper industrial sector</p> <p>Supervising and Evaluation of research and development activity</p> <p>Elaborating/implementing of R&amp;D, investment and consultancy projects</p> <p>Development and implementing of R&amp;D strategy</p> <p>Identification on financing of national and international research programs</p> <p>Coordinating of elaborating the R&amp;D programmes</p> <p>Proposal and supervising of the national/international scientific and technical cooperation actions</p> <p>Organizing of scientific events in the field of pulp and paper technology</p> <p>Attend to the national/international symposia and conferences in the field of pulp and paper, advanced materials or environmental engineering</p>
Name and address of employer	Pulp and Paper Research and Development Institute - CEPROHART S.A. Brăila, Al.I.Cuza 3 Blvd., Romania, <a href="http://www.ceprohart.ro">www.ceprohart.ro</a>
Type of business or sector	Research and Development in the field of natural sciences and engineering Pulp and paper industry
<b>Period</b>	<b>2001 - 2008</b>
Occupation or position held	<b>Head of Research Department, Scientific Researcher III</b>
Main activities and responsibilities	<p>Coordinating of R&amp;D activity in the field of pulp and paper technology</p> <p>Studies and research in the fields of: specialty papers, surface treatment of papers, paper physics and rheology, paper products characterization, advanced fiber based composite materials with applications in the alimentary liquids filtration and automotive industry, coating papers - their structure and properties, cellulose micro (nano)-fibrillated structures, paper durability, paper packaging, bio-composite materials based on cellulose fibres for seedling manufacturing and building applications</p> <p>Coordinating and implementation of human resources development projects</p>
Name and address of employer	Pulp and Paper Research and Development Institute - CEPROHART S.A. Brăila, Al.I.Cuza 3 Blvd., Romania, <a href="http://www.ceprohart.ro">www.ceprohart.ro</a>
Type of business or sector	Research and Development Pulp and Paper industry
<b>Period</b>	<b>1991 - 2001</b>
Occupation or position held	<b>Chemistry engineer – Head of testing laboratory</b>
Main activities and responsibilities	<p>Responsible and member in research teams of R&amp;D project/programs for following topics: papers and boards coating technology, coating colors rheology, coating layer structure and properties, characterization method for paper and cellulose fibres, using of optical brightness agents in papermaking, coating boards for industrial products packaging, fundamental aspects of paper physic and rheology.</p> <p>Coordination of Physical Mechanical Testing Laboratory activity</p>
Name and address of employer	Pulp and Paper Research and Development Institute - CEPROHART S.A. Brăila, Al.I.Cuza 3 Blvd., Romania, <a href="http://www.ceprohart.ro">www.ceprohart.ro</a>
Type of business or sector	Research and Development Pulp and Paper industry

<b>Period</b>	<b>2005</b>
Occupation or position held	<b>Short Scientific Mission</b>
Main activities and responsibilities	Doctoral Stage
Name and address of employer	ICP – Ljubljana, Slovenia
Type of business or sector	Research activity in the field of coating papers structure and properties
<b>Education and training</b>	
<b>Period</b>	<b>Sept.1986 – June 1991</b>
Title of qualification awarded	<b>Chemical Engineer</b>
Studies/occupational skills covered	<b>Specialisation “Pulp, Paper and Artificial Fibres Technology”</b>
Name and type of organisation providing education and training	„Gheorghe Asachi” Politechnical Institute of Iași, Faculty of Industrial Chemistry
<b>Period</b>	<b>1998 – 2006</b>
Title of qualification awarded	<b>Ph.D/Diploma no. 1940/24.03.2007; Ministry Ord. no.632/21.03.2007</b>
Studies/occupational skills covered	<b>Ph.D – Chemical Engineering</b> Thesis: <b>Research regarding the relations between coating layer structure and paper product quality</b>
Name and type of organisation providing education and training	Technical University „Gheorghe Asachi” of Iași Faculty of Chemical Engineering and Environmental Protection
<b>Period</b>	<b>2007</b>
Title of qualification awarded	<b>Scientific Researcher III</b>
Studies/occupational skills covered	Research and Development in the field of Engineering Sciences/Chemical Engineering
Name and type of organisation providing education and training	SC CEPROHART SA Brăila, Decision no. 149/21.12.2007
<b>Period</b>	<b>2010</b>
Title of qualification awarded	<b>Scientific Researcher II</b>
Studies/occupational skills covered	Research and Development in the field of Engineering Sciences/Chemical Engineering
Name and type of organisation providing education and training	Education and Research Ministry, Ord.no. 4506/22.07.2010/ Decision no.50D/16.08.2010 SC Ceproharts SA Brăila
<b>Period</b>	<b>2018</b>
Title of qualification awarded	<b>Habilitation qualification</b>
Studies/occupational skills covered	Habilitation Thesis: <b>Modern strategies on valorisation of cellulose fibres to obtain sustainable products for (bio)economy applications</b> Fundamental and Engineering Sciences – Biotechnology/Ph.D Supervisor/Ministry Ord. no. 4280/08.08.2018
Name and type of organisation providing education and training	Education and Research Ministry, Dunarea de Jos University, Doctoral School of Fundamental and Engineering Sciences

Personal skills and competences										
Mother tongue(s)	Romanian									
Self-assessment										
European level (*)	Understanding				Speaking				Writing	
Language	Listening		Reading		Spoken interaction		Spoken production			
French	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
English	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
Social skills and competences	Ability to be relaxed or to maintain a tolerable level of anxiety in any social situation; ability to listen; ability to show empathy and interest; ability to build a relationship, flexibility to change, risks assuming Competences of training and evaluation									
Organisational skills and competences	Organization of activities and research teams at the middle and high management level based on the experience gained during coordination of research activity in the Pulp and paper R&D Institute and vice-dean activity (2016-2020) in Engineering and Agronomy Faculty of Brăila Planning and organisation of project activities and teams.									
Technical skills and competences	Specialists teaching for the bachelor's degree program Engineering of Biotech and Ecological Systems – Faculty of Engineering and Agronomy Main expertises: <b>Pulp and paper technology:</b> (i) <i>paper products</i> : coating papers and coating layer structure including biopolymers coating for food packaging papers, paper & board packaging, security papers, paper physic and rheology, paper durability; (ii) <i>cellulose fibres</i> : cellulose micro(nano)fibrillated structures (MFC, NFC); (iii) <i>cellulose fibres composite materials</i> for different applications (alimentary liquids filtering, seedling manufacturing, automotive industry or thermal insulating and sound proof applications). <b>Environmental engineering:</b> waste waters treatment technologies; valorisation of sludge from WWTP, modern techniques to remove the waste water pollutants (i.e. bio-sorption, magnetic separation), valorisation of agroresidues in composite materials for industrial applications (i.e. building)									
Computer skills and competences	PC advanced operating skills (MS Office: Word, Excel, Power Point, Internet Explorer, Microsoft Project, online learning platforms: Microsoft Teams)									
Other skills and competences	Specialists training at university level in the field of Environmental Engineering “Dunarea de Jos” University of Galati Ph.D. Supervisor in the field of Biotechnologies for industrial application Project Management trainer (techniques for projects implementing, life cycle of projects, planning and organizing of projects, assessment and risk management, control and monitoring of projects, techniques for projects implementing)									

Additional information	
Research activity results	<p><b>Publishing of scientifically papers in internal/international scientific publications</b></p> <ul style="list-style-type: none"> <li>• <b>136 scientific papers</b> on specialty/ISI journals and conference proceedings: 28 ISI and ISI Proceedings, 55 BDI and Conference Proceedings; 53 conferences oral presentations</li> <li>• <b>3 books, 3 book chapters , 3 patents and 4 patent applications</b></li> </ul> <p><b>Managing of R&amp;D projects in the field of pulp, paper, environmental engineering (over 27 researches grants as coordinator and project responsible within national/international programmes MENER, RELANSIN, FP5, CEEX, PNCDI2, POSDRU, PHARE, ERA NET, EEA Grants, Black Sea, PNCDI 3)</b></p> <p><b>Member of MC and WGs of COST Programm Actions: E11, E32, E48, E46, FP1003, FP 1005, FP 1405, CA 18101, CA 18224</b></p> <p><b>Member of Scientific Board</b> of BULETINUL INSTITUTULUI POLITEHNIC DIN IAȘI Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași, Secția CHIMIE și INGINERIE CHIMICĂ <a href="http://BIP-CIC(tuiasi.ro)">BIP-CIC (tuiasi.ro)</a></p> <p><b>Deputy Editor of Celuloză și Hârtie Journal</b>, CNCSIS, ISSN 1220 – 9848, edited by the Technical Association for Romanian Pulp and Paper Industry and Ceprohart Brăila <a href="http://ceprohart.ro/revista.php">http://ceprohart.ro/revista.php</a>, <a href="http://ceprohart.ro/documente/revista/2016/Issue2016.pdf">http://ceprohart.ro/documente/revista/2016/Issue2016.pdf</a></p> <p>Vice-chairman and Chairman in the Steering Committee of International Symposium “Advanced technologies for pulp and paper Industry”, (2006, 2008, 2011, 2013, 2015, 2017), Braila, Romania <a href="http://www.ceprohart.ro/manifestar_stiintifice.php">http://www.ceprohart.ro/manifestar_stiintifice.php</a></p> <p>Since 2009 - <b>Member of Technical Association of Pulp and Paper Industry TAPPI - the leading Association for the Pulp, Paper, Packaging and Converting Industries</b></p> <p><b>Awards and distinctions:</b> CEREX UDJG 2021, 2022, 2023, UGALInvent 2014, 2017, 2019, 2021, 2023, INVENTIKA 2011, EUREKA, 2012, PROINVENT 2013, 2014, EUROINVENT 2014</p> <p>Hirsch 10; Total citations: 393 (WOS, Scopus), 912 (Google Scholars)</p>
Evaluation and expertise activity	<p><b>Expert evaluator for Romanian R&amp;D projects (2007, 2008, 2017, 2019, 2023)</b></p> <p><b>Expert evaluator Horizon 2020 (2016, 2017, 2018 BBIJU calls) and ERA NET 2018, 2021, 2022</b></p> <p><b>Expert evaluator Horizon Europe HADEA HORIZON-CL4-2021-TWIN-TRANSITION-01 &amp; RESILIENCE-01, CT-EX2006C199878-107</b></p> <p><b>Official reviewer in Committee for Doctoral thesis</b></p> <p><b>Reviewer for ISI and BDI papers:</b> Carbohydrates Polymers – Elsevier, Cellulose Chemistry and Technology, Nordic Pulp and Paper Research Journal, eXPRESS Polymer Letters, Progress in Organic Coatings , Biological Sciences and Pharmaceutical Research, Journal of Thermoplastic Composite Materials, International Journal of Biological Macromolecules, American Journal of Environmental Engineering</p>

15.09.2024

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