



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) VIȘA MARIA
Address(es) No.48, street CLOȘCA, 500040, BRAȘOV, ROMANIA
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E-mail maria.visa@unitbv.ro; Visamro2000@Yahoo.com
Nationality Romania
Date of birth 09.12.1950, Făgăraș

POSITION

PhD COORDINATOR IOSUD UTBv

PhD coordinator in the doctoral studies domain: **Science and Engineering Materials**
Since: Year / date – 2014/October
Expertise fields and research interest topics within the coordinated PhD domain
•**Science and Engineering Materials**
Number of PhD students (currently studying for their PhD): 2

Desired employment / Occupational

Professor

Work experience

Dates ,Occupation or position held 2008 – 2013 Associate professor
2014- present Professor
Main activities and responsibilities I teach Chemistry, Processes of Treatment Water and Recycling Materials – courses
Name and address of employer Transilvania University of Brasov, Bd. Eroilor 29, 500036, Dept. Renewable Energy Systems and Recycling, Romania, Brasov, Romania
Dates 2002 – 2007
Occupation or position held Teacher and manager
Coordinator of the Chemical program “Professional Conversion at level post university”
Main activities and responsibilities Head of institution (College of Natural Sciences “ Emil Racovita” from Brasov)
Name and address of employer (College of Natural Sciences “ Emil Racovita” from Brasov, Romania
Dates 1974 - 1989

| Occupation or position held | Chemistry teacher, | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---------------|---------|--------------------|---------|-------------------|---------|---------|---------|---------|--|-----------|--|---------|--|--------------------|--|-------------------|--|--|--|--------|---------|----|---------|----|---------|----|---------|----|---------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|
| Main activities and responsibilities | Teacher with degrees: Definitiv, gr. II, gr. I and head of Chemistry Department | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Name and address of employer | Colleges: Unirea, Dr. I Mesota and “ Emil Racovita” from Brasov, Romania | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Education and training | 1972-2014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Title of qualification awarded | Diploma of Graduate, Diploma of Licence in Chemistry, PhD. Diploma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Principal subjects/occupational skills | Teacher and scientific researcher on waste materials, composites used for waste treatment water. Specific competencies on adsorbent materials, on adsorption and photocatalysis processes, on environmental chemistry and of the technological processes applied in (waste) water treatment. Researcher management competencies | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Name and type of organisation providing education and training | 1.06.2010 - 31.05.2013 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Level in national/international classification | Post-Doctoral Study, Project POSDRU/89/1.5/S/59323 Univ. Transilvania Braşov, Romania; Faculty. Product Design and Environment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personal skills and competences | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mother tongue(s) | Româna | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other language(s) Self-assessment <i>European level (*)</i> | <table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>B 2</td> <td>English</td> <td>C2</td> <td>English</td> <td>C2</td> <td>English</td> <td>C2</td> <td>English</td> <td>C2</td> <td>English</td> </tr> <tr> <td>A 2</td> <td>France</td> <td>A 2</td> <td>France</td> <td>A 2</td> <td>France</td> <td>A 2</td> <td>France</td> <td>A</td> <td>France</td> </tr> </tbody> </table> | Understanding | | | | Speaking | | | | Writing | | Listening | | Reading | | Spoken interaction | | Spoken production | | | | B 2 | English | C2 | English | C2 | English | C2 | English | C2 | English | A 2 | France | A 2 | France | A 2 | France | A 2 | France | A | France |
| Understanding | | | | Speaking | | | | Writing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Listening | | Reading | | Spoken interaction | | Spoken production | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B 2 | English | C2 | English | C2 | English | C2 | English | C2 | English | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A 2 | France | A 2 | France | A 2 | France | A 2 | France | A | France | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Language | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Language | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Social skills and competences | Team spirit, Interculturale experiences between some European countries (Belgium, Greece, Spain, Italy, Portugal Turkish). I developed some Comemius projects. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Organisational skills and competences | 2007 -2016 Vice – president of Chemistry Society Romania, branch Braşov 2009 - Session Chair at MFMS Conference Qingdao, China; 2017 - Session Chair Third International Conference on Science, Engineering & Environment, USQ, Brisbane, Australia. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

(*) [*Common European Framework of Reference for Languages*](#)

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| Technical skills and competences | <p>Experimental skills: synthesis of advanced materials –powders with controlled properties; characterisation techniques for inorganic and composite materials. Theoretical skills: advanced materials modelling.</p> <p>Researcher on treatment water and wastewater treatment;</p> <p>Researcher on materials (new type of adsorbents fly ash, modified fly ash with TiO₂, WO₃, ZnO, diatomite, charcoal, activated carbon) and used for waste water treatment loaded with: dyes, heavy metals, surfactants.</p> <p>Competencies: management of integrated fundamental and experimental research for advanced materials development.</p> |
| Computer skills and competences | Office package - very good (Knowledges about work PC. Microsoft office: word, Powerpoint, Excel.) |
| Artistic skills and competences | Picture, Inside home – Designer |
| European Research projects | <p>Manager of the project</p> <p>2004 – 2007 SOCRATES/COMENIUS: „Water: Asset in the Sustainable Development of a Joint Europe”, “ WATER: ASSET” with: Spain, Portugal, Italy, Turkey</p> <p>Project coordinator I wrote, won and coordinated this project, involving 5 partners from 4 different countries. The outcomes were two books for to involve optional courses of water at high- school.</p> <ul style="list-style-type: none"> • Member of the management committee <p>2005 – 2008, SOCRATES COMENIUS 2.1, 226362 – CP – 1 – 2005 – 1 – RO – COMENIUS- C21, SEE – EU TOOL - <i>Sustainable Energy For High School Education - An European Training Tool, SEE EU TOOL</i></p> <ul style="list-style-type: none"> • Member of the Management Committee <p>2000 – 2003 SOCRATES / COMENIUS: „Chemistry Instruction Using Information and Communication Technologies” CHEMNIC”</p> <p>Accountable for Project (Member of the Management Committee)</p> <ul style="list-style-type: none"> • National Funded Research Grants: <p>2006 - 2008 Romanian Research Council, Program: CNCISIS, No. A400, “Increasing the conversion efficiency of solid state solar cells”.</p> <p>Manager:</p> <p>2013 - 2016, PN-II-RU-TE-2012-3-.0177, <i>New adsorbents of zeolite type obtained from waste fly ash collected from Romanian Combined Heat and Power Plants - manager of the project.</i></p> <p>2014 - 2017, PN-II-PT-PCCA-2013-4-0726. <i>Innovative Integrated Materials - Technology - Equipment System for simultaneous photocatalysis and adsorption applied in sustainable wastewater treatment- manager of the project.</i></p> <p>Coordinate the study program – Chemistry, Project ID 32629 – Professional training of pre-university education teachers for new career development opportunities (2010-2012).</p> <p>Coordinate the study program of PhD. POHAN L. A. Guillaume from Ivory Coast, program Eugen Ionescu (2016).</p> <p>Member in the board of Journal of Membrane and Separation Technology issn:19296037 BDI:Scopus.</p> |

Published books (selection):

1. **Maria VIȘA**, Procese De Tratare A Apei- Îndrumar De Laborator, ISBN, Ed. Univ. Transilvania, Braşov, 978-606-19-0353-5, (2014)

2. **Maria VIȘA**, C. Drăghici, L. Dumitrescu, I. Nicolae, S. Pațachia, D. Perniu, Tehnologiile și Protecția Mediului, ISBN 978-606-5115-210-6,(2012)

1. LIST OF PUBLICATIONS (LAST YEARS) h index = 14

Papers published in vol. of the conference indexed ISI Thomson Journals, Web of Science

1. **Vișa M.**, Popa N., Chelaru A.M., Nanocomposite with Dual Functionality in Simultaneous Removal of Heavy Metals, Dye and Anionic Surfactant from Multicomponent Wastewater, *Third International Conference on SEE, USQ, Brisbane, Australia (2017)*.
2. **Vișa M.**, Popa N., Chelaru A. M., Zeolite Materials Obtained from Fly Ash Used for Removal of Heavy Metals and dye from Complex Wastewater, *World of Coal Ash 2017 (WOCA) Conference*, Lexington, Kentucky, USA.
3. Popa N., **Vișa M.**, Removal of crystal violet by adsorption onto charcoal modified developed from pine cones, *10th International Conference on Materials Science & Engineering (BRAMAT, 2017)*, Brașov, România.
4. **Vișa M.**, Popa N. Photocatalytic degradation of methylene blue by a combination of TiO₂ and charcoal, *10th International Conference on Photoexcited Processes and Applications (ICPEPA-10, 2016)* Brașov, RO.
5. **Vișa M.**, Popa N., Second raw materials from forestry waste to obtain adsorbents for wastewater treatment, *1st International Caparica Conference on Pollutant Toxic Ions and Molecules, Portugalia, (2015)*.
6. **Vișa M.**, Cazan C., Andronic L., Fly Ash Based Substrates for Advanced Wastewater treatment, **(2014)**, 539-569, publicat în *Sustainable Energy in the Built Environment - Steps Towards nZEB*, Visa Ion editor, ISBN 978-3-319-09706-0.

- **Papers published in ISI journal, Thomson Reuters**

h = 14 and h-index Google Scholar = 16, with over 920 citations.

1. Pohan L. A. Guillaume., A.-M. Chelaru, M. **Vișa**, Ouattara Lassiné, *Titanium Oxide-Clay" as Adsorbent and Photocatalysts for Wastewater Treatment*. J Membra Sci Technol **2018**, 8:1 DOI: 10.4172/2155-9589.1000176.
2. N. Popa, **M. Vișa**, *The synthesis, activation and characterization of charcoal powder for the removal of methylene blue and cadmium from wastewater*, J. Advanced Powder Technol. 28 **(2017)** 1866–1876, **F.I. 2.659**.
3. **M. Vișa**, L. Andronic, A. Enesca. Behavior of the new composites obtained from fly ash and titanium dioxide in removing of the pollutants from wastewater, *J. Appl. Surf. Sci.*, 388 **(2016)** 359-369. **F.I. 3.387**.
4. **M. Vișa**, Synthesis and characterization of new zeolite materials obtained from fly ash for heavy metals removal in advanced wastewater treatment, *J. Powder Technol.*, 294 **(2016)** 338-347, **F.I. 2.269**.
5. L. Andronic, L. Isac, S. M. Cuevas, **M. Vișa**, I. Oller, A. Duta and S. Malato, Pilot plant evaluation of TiO₂-based hybrid photocatalysts for solar treatment of polluted water, *J. of Hazard. Mater.*, **(2016)** vol.320, 469-478. **F.I. 4.836**.
6. **Vișa M.**, Andronic L., Duță A., Fly ash-TiO₂ nanocomposite material adsorbent for multi-pollutants wastewater treatment, *J. of Environ. Manag.*, 150 **(2015)** 336-343, **F.I. 3.188**.
7. A. Duta, **Vișa Maria**, Simultaneous removal of two industrial dyes by adsorption and photocatalysis on a fly-ash-TiO₂ composite, *J. of Photochem. and Photobiology A-Chemistry*, 306 **(2015)** 21-30, **F.I. 2.447**.
8. **Vișa M.**, Bogatu C., Duță A., Tungsten Oxide - Fly Ash Oxide Composites In Adsorption and Photocatalysis, *J. of Hazard. Mater.*, 289 **(2015)** 244-256, **F.I. 4.529**.

9. **Vișa M.** Isac L. Duta, A. New fly ash TiO₂ composite for the sustainable treatment of wastewater with complex pollutants load. *J. Appl. Surf. Sci.*, 339,(**2015**) 62-68. **F.I. 3.387**
10. **Vișa M.**, Chelaru A. M., Hydrothermally Modified Fly Ash for Heavy Metals and Dyes Removal in Advanced Wastewater Treatment, *J. Appl. Surf. Sci.* , 303, (**2014**) 14-22., **F.I. 3.387**
11. Andronic L, Cazan C., Enesca A., **Vișa M.**, TiO₂-active carbon composites for wastewater photocatalysis, *J. Sol-Gel Science and Technology*, 71, (**2014**) 396-405, **F.I. 1.547**
12. **Vișa, M.**, Duță, A., TiO₂/fly ash novel substrate for simultaneous removal of heavy metals and surfactants, *Chem. Engin. J.* 223 (**2013**) 860-868. **F.I. 6.216**
13. **Vișa M.**, Duta A., Methyl-orange and cadmium simultaneous removal using fly ash and photo-Fenton systems, *J. of Hazard. Mater.*, 244 (**2013**) 773-779, **F.I. 4,836**
14. **Vișa M.**, Tailoring fly ash activated with bentonite as adsorbent for complex wastewater treatment, *J. Appl. Surf. Sci.*, 263 (**2012**) 753-762, **F.I. 3.38**
15. **Vișa, M.**, Luminita Isac, Anca Duță, Fly ash adsorbents for multi-cation wastewater treatment *J. Appl. Surf. Sci.*, 258 (**2012**), 6345-6352, **F.I. 3.387**

Prof. univ. dr. Maria Vișa

