

Rodica Chihai (Pețu)

📍 32/92 Saturn, 800339 Galați (România)

☎ +40735970483

✉ rodica.petu@yahoo.com

Sexul Feminin | Data nașterii 03/10/1994 | Naționalitatea română

EDUCAȚIE ȘI FORMARE
01/10/2019–Prezent

Student doctorand Inginerie mecanică Nivelul 8 CEC

Universitatea „Dunărea de Jos” din Galați, Galați (România)

01/10/2017–10/06/2019

Masterat Ingineria materialelor avansate Nivelul 7 CEC

Universitatea „Dunărea de Jos” din Galați, Galați (România)

01/10/2013–11/07/2017

Licența Ingineria procesării materialelor Nivelul 6 CEC

Universitatea „Dunărea de Jos” din Galați, Galați (România)

02/09/2013–29/05/2017

Licența în științe economice Nivelul 6 CEC

Universitatea de Stat „Bogdan Petriceicu Hasdeu” din Cahul, Cahul (Republica Moldova)

15/07/2013

Bacalaureat Nivelul 5 CEC

Liceul Teoretic „Ion Creangă” din Cahul, Cahul (Republica Moldova)

COMPETENȚE PERSONALE

Limba(i) maternă(e) română

Limbile străine

	ÎNȚELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
engleză	A2	B1	A2	A2	B1
rusă	C2	C1	C1	C1	C1

Niveluri: A1 și A2: Utilizator elementar - B1 și B2: Utilizator independent - C1 și C2: Utilizator experimentat
Cadrul european comun de referință pentru limbi străine

Competențe de comunicare

Comunicare și cooperare în echipă;
Învățare și dezvoltare continuă;

Competențele digitale

AUTOEVALUARE				
Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
Utilizator independent	Utilizator independent	Utilizator elementar	Utilizator elementar	Utilizator independent

Competențele digitale - Grilă de auto-evaluare

Pețu

Contribuții personale

Articole ISI:

- **Chihai, R.**, Ungureanu, C., Cojan, A., Bîrsan, I. G., & Cîrciumaru, A. (2019). Organic modified epoxy resin. Tribologic aspects. In *BALTTTRIB'2019: proceedings of X international scientific conference, Vytautas Magnus University, Agriculture Academy, Kaunas, Lithuania, 14-16 November 2019, 2019*, p. 7-13.
- UNGUREANU, C-V., **CHIHAI, R.**, SARACU, A-F., CEOROMILA, A-M., An-ecofriendly synthesis of silver nanoparticles using microalga *Desmodesmus protuberans*. *Rom Biotechnol Lett.* 2023; 28(2): 3900-3907, DOI: 10.25083/rbl/28.2/3900.3907.
- **CHIHAI (PEȚU), R.**, DRĂGHICI, M.-S., DONICI, N., BRIA, V., CÎRCIUMARU, A., Pin-on-disc tests to evaluate friction coefficient and weight wear rate of some clay/epoxy composites, accepted for publication.

Articole BDI:

- MIHU, G., UNGUREANU, C. V., BRIA, V., BUNEA, M., & **CHIHAI, R.** (2020). The Mechanical Properties of Organic Modified Epoxy Resin. *The Annals of "Dunarea de Jos" University of Galati. Fascicle IX, Metallurgy and Materials Science*, 43(3), p.10-14.
- **CHIHAI, R.**, SĂRACU, G., UNGUREANU, C. V., Vasile, B. R. I. A., & CÎRCIUMARU, A. (2022). Studies on Epoxy Resin Modified with Organic Agents. *The Annals of "Dunarea de Jos" University of Galati. Fascicle IX, Metallurgy and Materials Science*, 45(1), p. 46-52.
- **Rodica CHIHAI (PEȚU)**, Claudia Veronica UNGUREANU, Alina CEOROMILA, BIOSYNTHESIS OF METALLIC NANOPARTICLES FROM PLANTS: INDUSTRIAL APPLICATIONS. *Proceedings of the International Conference "Interdisciplinarity and Cooperation in Cross-border Research" Chisinau, Republic of Moldova, June 2022, Vol. 6. No. 2 – Engineering*, p.27-33.
- **Rodica CHIHAI (PEȚU)**, Claudia Veronica UNGUREANU*, Vasile BRIA, Adrian CÎRCIUMARU (2022). A CHARACTERISATION OF ORGANICALLY MODIFIED POLYMERS. *Proceedings of the International Conference "Interdisciplinarity and Cooperation in Cross-border Research" Chisinau, Republic of Moldova, June 2022, Vol. 6. No. 2 – Engineering*, p.34-41.
- **CHIHAI, R.**, UNGUREANU, C., & Vasile, B. R. I. A. (2022). Effect of the Fiber Orientation of Glass Fiber Reinforced Polymer Composites on Mechanical Properties. *The Annals of "Dunarea de Jos" University of Galati. Fascicle IX, Metallurgy and Materials Science*, 45(2), p. 16-21.
- **CHIHAI, R.**, SĂRACU, A. F., & UNGUREANU, C. V. (2022). Green Synthesis of Metal Nanoparticles using Microalgae: A Review. *The Annals of "Dunarea de Jos" University of Galati. Fascicle IX, Metallurgy and Materials Science*, 45(3), p. 16-19.

Prezentări conferințe:

- **Rodica Chihai**, Mihaela Gorovei, R. Bosoancă, S.M. Drăghici, A. Cîrciumaru, Effect of inorganic agents on the tribologic behavior of epoxy resins. In *BALTTTRIB'2019: proceedings of X international scientific conference, Vytautas Magnus University, Agriculture Academy, Kaunas, Lithuania, 14-16 November 2019, poster*.
- **Rodica CHIHAI (PEȚU)**, Claudia Veronica UNGUREANU, Vasile BRIA, Adrian CÎRCIUMARU, THE MECHANICAL PROPERTIES OF ORGANIC MODIFIED POLYMER MIXTURES. *Scientific Conference of Doctoral Schools SCDS-UDJG, Perspectives and challenges in doctoral research, 8th Edition, "Dunarea de Jos" University of Galati, 18-19 of June 2020, poster*.
- **Rodica CHIHAI (PEȚU)**, Olga VEREBCEAN (FURTUNĂ), Claudia Veronica UNGUREANU, Vasile BRIA, Adrian CÎRCIUMARU, Electric conductivity of amino acids modified epoxy resins. *Scientific Conference of Doctoral Schools SCDS-UDJG, Perspectives and challenges in doctoral research, 8th Edition, "Dunarea de Jos" University of Galati, 18-19 of June 2020, poster*.
- **Rodica CHIHAI (PEȚU)**, Claudia Veronica UNGUREANU, Vasile BRIA, Adrian CÎRCIUMARU, INORGANIC MODIFIED POLYMER MIXTURES. MECHANICAL PROPERTIES. *UgalMat 2020, 9th EDITION OF ON-LINE INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE & ENGINEERING, poster*.
- **Rodica Chihai (Pețu)**, Gabriel Săracu, Claudia Veronica Ungureanu, Vasile Bria, STUDIES REGARDING THE PROPERTIES OF TRYPTOPHAN MODIFIED EPOXY RESINS. *UgalMat 2020, 9th EDITION OF ON-LINE INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE & ENGINEERING, poster*.
- **Rodica CHIHAI (PEȚU)**, Claudia Veronica UNGUREANU, Vasile BRIA, Adrian CÎRCIUMARU, Epoxy systems modified with clay minerals. *Scientific Conference of Doctoral Schools SCDS-UDJG, Perspectives and challenges in doctoral research, 9th Edition, "Dunarea de Jos" University of Galati, 18-19 of June 2020, poster*.
- Olga VEREBCEAN (FURTUNĂ), **Rodica CHIHAI (PEȚU)**, Claudia Veronica UNGUREANU, Vasile BRIA, Adrian CÎRCIUMARU, Analysis of the mechanical properties of carbon fiber reinforced concrete. *Scientific Conference of Doctoral Schools SCDS-UDJG, Perspectives and challenges in doctoral research, 9th Edition, "Dunarea de Jos" University of Galati, 18-19 of June 2020, poster*.

Pețu

- **Rodica Chihai (Pețu)**, Claudia Veronica Ungureanu, Vasile Bria, Adrian Cîrciumaru, THE CHARACTERIZATION OF ORGANICALLY MODIFIED POLYMERS. *Interdisciplinarity and Cooperation in Cross-Border Research, International conference, ICCR-2021, 1st edition, Hybrid, Chisinau - Republic of Moldova, 2-4 December 2021, prezentare.*
- **Rodica CHIHAI (PEȚU)**, Alina-Florentina SĂRACU, Claudia-Veronica UNGUREANU, GREEN SYNTHESIS OF SILVER NANOPARTICLES USING MICROALGAE. *Interdisciplinarity and Cooperation in Cross-Border Research, International conference, ICCR-2022, 2nd edition, Chisinau - Republic of Moldova, 2-4 June 2022, poster.*
- **Rodica CHIHAI (PEȚU)**, Claudia Veronica UNGUREANU, Alina GEOROMILA, Biosynthesis of metallic nanoparticles from plants: industrial applications. *Interdisciplinarity and Cooperation in Cross-Border Research, International conference, ICCR-2022, 2nd edition, Chisinau - Republic of Moldova, 2-4 June 2022, poster.*
- Nina DONICI, **Rodica CHIHAI (PEȚU)**, Claudia Veronica UNGUREANU, Vasile BRIA, Adrian CÎRCIUMARU, THERMAL BEHAVIOR OF INORGANIC MODIFIED POLYMERS. *Interdisciplinarity and Cooperation in Cross-Border Research, International conference, ICCR-2022, 2nd edition, Chisinau - Republic of Moldova, 2-4 June 2022, poster.*
- **Rodica CHIHAI (PEȚU)**, Olga VEREBCEAN, Claudia Veronica UNGUREANU, Vasile BRIA, Adrian CÎRCIUMARU, Investigations on mechanical characterization of modified polymer clay. *Scientific Conference of Doctoral Schools SCDS-UDJG, Perspectives and challenges in doctoral research, 10th Edition, "Dunarea de Jos" University of Galati, 9-10 of June 2022, poster. Honorable mention.*
- Gabriel SĂRACU, **Rodica CHIHAI (PEȚU)**, Claudia Veronica UNGUREANU, Vasile BRIA, Adrian CÎRCIUMARU, Electric Conductivity of Modified epoxy resins. *Scientific Conference of Doctoral Schools SCDS-UDJG, Perspectives and challenges in doctoral research, 10th Edition, "Dunarea de Jos" University of Galati, 9-10 of June 2022, poster.*
- Nina DONICI, **Rodica CHIHAI (PEȚU)**, Claudia Veronica UNGUREANU, Vasile BRIA, Adrian CÎRCIUMARU, Tensile Analysis of Inorganic Modified Epoxy Resins. *Scientific Conference of Doctoral Schools SCDS-UDJG, Perspectives and challenges in doctoral research, 10th Edition, "Dunarea de Jos" University of Galati, 9-10 of June 2022, poster.*
- Maria PASCAL, **Rodica CHIHAI (PEȚU)**, Claudia Veronica UNGUREANU, Vasile BRIA, Adrian CÎRCIUMARU, Protein-glucose composite materials: Thermal properties. *Scientific Conference of Doctoral Schools SCDS-UDJG, Perspectives and challenges in doctoral research, 10th Edition, "Dunarea de Jos" University of Galati, 9-10 of June 2022, poster.*
- Cristina MUNTEANU, **Rodica CHIHAI (PEȚU)**, Claudia Veronica UNGUREANU, Vasile BRIA, Iulian BÎRSAN, MECHANICAL PROPERTIES OF INORGANIC POLYMERS. *Scientific Conference of Doctoral Schools SCDS-UDJG, Perspectives and challenges in doctoral research, 10th Edition, "Dunarea de Jos" University of Galati, 9-10 of June 2022, poster.*
- Olga VEREBCEAN, **Rodica CHIHAI (PEȚU)**, Claudia Veronica UNGUREANU, Vasile BRIA, Adrian CÎRCIUMARU, Improvement of concrete strength properties by carbon fiber additives. *Scientific Conference of Doctoral Schools SCDS-UDJG, Perspectives and challenges in doctoral research, 10th Edition, "Dunarea de Jos" University of Galati, 9-10 of June 2022, poster.*
- Claudia -Veronica UNGUREANU, **Rodica CHIHAI (PETU)**, Alina-Florentina SĂRACU, An Eco-friendly Approach for the Synthesis of Silver Nanoparticles Using Green Microalga *Desmodesmus protuberans*. *European Biotechnology Congress EUROBIOTECH 2022, 5-7 October in Prague, Czechia, poster.*
- Alina-Florentina SĂRACU, **Rodica CHIHAI (PETU)**, Claudia -Veronica UNGUREANU, Antifungal assay of silver nanoparticles biosynthesized using Green Microalga *Desmodesmus protuberans*. *European Biotechnology Congress EUROBIOTECH 2022, 5-7 October in Prague, Czechia, poster.*
- **Rodica PEȚU**, Vasile BRIA, Marina BUNEA, Adrian CÎRCIUMARU, Bending behavior of nanostructured epoxy resin. *Conferință Științifică Internațională, Perspectivele și problemele integrării în Spațiul European al Cercetării și Educației, Ediția a X-a, Universitatea de Stat „Bogdan Petriceicu Hasdeu” din Cahul, Republica Moldova, 7 iunie 2023, poster.*
- Nina DONICI, **Rodica PEȚU**, Vasile BRIA, Adrian CÎRCIUMARU, Tensile analysis of modified epoxy resin. *Conferință Științifică Internațională, Perspectivele și problemele integrării în Spațiul European al Cercetării și Educației, Ediția a X-a, Universitatea de Stat „Bogdan Petriceicu Hasdeu” din Cahul, Republica Moldova, 7 iunie 2023, poster.*
- Cristina ACRIȘ, **Rodica PEȚU**, Adrian CÎRCIUMARU, Mihaela BUCIUMEANU, Tensile analysis of vegetal by-products modified epoxy. *Conferință Științifică Internațională, Perspectivele și problemele integrării în Spațiul European al Cercetării și Educației, Ediția a X-a, Universitatea de Stat „Bogdan Petriceicu Hasdeu” din Cahul, Republica Moldova, 7 iunie 2023, poster.*
- **Rodica Pețu**, Alina-Mihaela Cioromila, Adrian Cîrciumaru, Clay-epoxy composites. *Scientific Conference of Doctoral Schools SCDS-UDJG, Perspectives and challenges in doctoral research 11th Edition, Section 6: Future of Ecnanotechnologies, Functional Materials and Coatings, Galați, 8th and 9th of June 2023, poster. Mențiune de onoare.*
- Cristina ACRIȘ, **Rodica PEȚU**, Adrian CÎRCIUMARU, Mihaela BUCIUMEANU, FLEXURAL PROPERTIES OF VEGETAL POWDERS MODIFIED EPOXY RESIN. *Scientific Conference of Doctoral Schools SCDS-UDJG, Perspectives and challenges in doctoral research 11th Edition, „Dunarea de Jos” University of Galati, 8-9 of June 2023, poster. Diploma of excellence.*

Pețu

- Nina DONICI, **Rodica PEȚU**, Vasile BRIA, Adrian CÎRCIUMARU, WATER ABSORPTION BEHAVIOR OF EPOXY COMPOSITES. *Scientific Conference of Doctoral Schools SCDS-UDJG, Perspectives and challenges in doctoral research 11th Edition, „Dunarea de Jos” University of Galati, 8-9 of June 2023, poster.*
- Sebastian Marian Drăgici, **Rodica Pețu**, Vasile Bria, Adrian Cîrciumaru, A TRIBOLOGICAL ANALYSIS OF EPOXY-SILICONE MIXTURES. *Scientific Conference of Doctoral Schools SCDS-UDJG, Perspectives and challenges in doctoral research 11th Edition, „Dunarea de Jos” University of Galati, 8-9 of June 2023, poster. Honorable mention.*

Proiect:

- Sinteza microbiologică a nanoparticulelor metalice, asistent de cercetare în știința materialelor (COR214652). Grant intern, contract de finanțare nr. 14889/11.05.2022, perioada 30.05.2022-15.12.2022. Facultatea transfontalieră, director de grant: Șef lucrări dr. Claudia Veronica UNGUREANU.

Pețu