

LISTA COMPLETĂ A LUCRĂRILOR

Conferențiar universitar dr. ing. **Camelia PINCA-BRETOTEAN**

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1. Lista a 10 publicații relevante

1. Pinca-Bretotean Camelia, Hepuț T., Kiss I., Tirian G.O (2004) *Reserches upon the durability of the rolling cylinders*, Journal of Mechanical Engineering, 8(3), 177-188
2. Pinca Bretotean Camelia, Tirian G.O., Vîlceanu L. (2008) *The effects of the thermal fatigue upon the hot rolling mill cylinders*, Metalurgia Internațional, XIII (5), 25-33
3. Pinca-Bretotean Camelia, Josan A., Birtok-Băneasă C (2018) *Laboratory testing of brake pads made of organic materials intended for small and medium vehicles*, IOP Conference Series: Material Science and Engineering, 393(1), No. 012029
4. Pinca-Bretotean Camelia, Crăciun A., Josan A, Ardelean E. (2018) *Experimental study of sintered friction material with coconut fiber for brake pads*, Materiale Plastice, 55(3), 389-392
5. Pinca-Bretotean Camelia, Crăciun A. Josan A., Ardelean M. (2019) *Friction and wear characteristics of organic brake pads material*“, IOP Conference Series: Material Science and Engineering, Vol. 477(1) No. 012009
6. Pinca-Bretotean Camelia, Lemle L.D., Szabo A. (2019) *Ecological Composites Materials for Brake Pads Using Shells as Filler Material*, Materiale plastice 56(3)
7. Pinca-Bretotean Camelia, Josan A., Puțan V. (2020) *Testing of brake pads made of non asbestos organic friction composite on specialized stand*, Materials Today: Proceedings, 10.1016/j.matpr.2021.12.039, 2214-7853
8. Pinca-Bretotean Camelia, Josan A., Preda C. (2019) *Numerical and experimental analysis of dry contact in pad disc*, Journal of Physics: Conference Series, Vol.1426, Issue 1, International Conference on Applied Sciences 2019, Article number 012001
9. Pinca-Bretotean Camelia, Crăciun A.L., Preda C., Sharma A.K., *Physico-mechanical and tribological characteristics of composites used for brake pads*, Journal of Physics: Conference Series 012032, Vol. 178(1), pg.1-8, 2021
10. Pinca-Bretotean Camelia, Bhandari R., Sharma C., Preda C., Sharma A.K., *An investigation of thermal behavior of brake disk pad assembly with Ansys*, Materials Today Proceedings 47(10), pg.2322-2328doi.org/10.1016/j.matpr.2021.04.296, 2021

2. Teza de doctorat

Pinca-Bretotean Camelia, Optimizarea structurilor de rezistență a utilajelor metalurgice, 2002, conducător științific Prof.dr.eur.ing. Tiberiu-Dimitrie BABEU

3. Cărți/manuale/monografii/capitole în cărți de specialitate

1. **Pinca-Bretotean Camelia**, Utilaje metalurgice, Ed. Politehnica Timișoara, 2002, ISBN 973-8247-81-0
2. **Pinca-Bretotean Camelia**, Fabricarea și asamblarea autovehiculelor rutiere, vol.I, Ed. Cermi, 2008, ISBN general 978-973-667-346-7, ISBN 978-973-667-350-4
3. **Pinca-Bretotean Camelia**, Fabricarea și asamblarea autovehiculelor rutiere, vol.II Ed. Politehnica, 2010, ISBN general 978-973-667-346-7, 978-606-554-IIO-8
4. **Pinca-Bretotean Camelia**, Echipamente mecanice industriale Ed. „Politehnica”, 2013, ISBN 978-606-554-535-9
5. Weber F., Alic C., Mikloş C., Mikloş I., **Pinca-Bretotean Camelia**, Cioată V., Ilca I., Dascăl A., Rațiu S., Prejban I., Popa E., VasIU T., Hărău C., Alexa V., Ardelean E., Negomireanu B., Benea L., Ardelean E., Discipline fundamentale și de specialitate-Sinteze, Ed. Mirton, 2005, ISBN 973-661-634-7
6. **Pinca-Bretotean Camelia**, Tehnologii de prelucrări mecanice la fabricarea utilajelor tehnologice, Editura Mirton Timișoara, 2003, ISBN 973-661-146-9
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9. **Pinca-Bretotean Camelia**, Transmisii mecanice pentru autovehicule. Demers practic, Ed. Politehnica, Timișoara, 2020, ISBN 978-606-35-0394-8
10. **Pinca-Bretotean Camelia**, Optimizarea structurilor de rezistență ale podurilor rulante, Ed. Mirton, Timișoara, 2003, ISBN 973-661-456-5
11. Toader Ștefan, **Pinca-Bretotean Camelia**, Pleșa Dorin, Oboseala termică a cilindrilor de laminare la cald, Ed. Politehnica, Timișoara, 2004, ISBN 973-625-185-3
12. **Pinca-Bretotean Camelia**, Utilaje tehnologice, notițe de curs, aplicații laborator și proiect, pe platforma CAMPUS VIRTUAL UPT, <https://cv.upt.ro/course/view.php?id=2738>
13. **Pinca-Bretotean Camelia**, calculul și construcția autovehiculelor rutiere –Partea I, notițe de curs, aplicații laborator și proiect, pe platforma CAMPUS VIRTUAL UPT <https://cv.upt.ro/course/view.php?id=2649>
14. **Pinca-Bretotean Camelia**, Calculul și construcția autovehiculelor rutiere –Partea 2, notițe de curs, aplicații laborator și proiect, format electronic, pe platforma CAMPUS VIRTUAL UPT <https://cv.upt.ro/course/view.php?id=5203>
15. **Pinca-Bretotean Camelia**, Echipamente mecanice industriale, notițe de curs, aplicații laborator și proiect, pe platforma CAMPUS VIRTUAL UPT <https://cv.upt.ro/course/view.php?id=5215>
16. **Pinca-Bretotean Camelia**, Tehnologia fabricării și asamblării autovehiculelor rutiere, notițe de curs, aplicații laborator și proiect, pe platforma CAMPUS VIRTUAL UPT <https://cv.upt.ro/course/view.php?id=5200>
17. **Pinca-Bretotean Camelia**, Tehnologia construcțiilor de mașini, notițe de curs, aplicații laborator și proiect, pe platforma CAMPUS VIRTUAL UPT <https://cv.upt.ro/course/view.php?id=5693>
18. **Pinca-Bretotean Camelia**, Metode de optimizare asistată de calculator în ingineria mecanică pe platforma CAMPUS VIRTUAL UPT <https://cv.upt.ro/course/view.php?id=1393>
19. **Pinca-Bretotean Camelia**, Calculul și construcția autovehiculelor rutiere pe platforma CAMPUS VIRTUAL UPT, curs de formare proiect DIDATECH <https://cv.upt.ro/course/view.php?id=1001>

4. Articole și publicații științifice indexate Web of Science - Thomson Reuters (WOS)

1. **Pinca-Bretotean Camelia**, Tirian Gelu Ovidiu, Vilceanu Lucia, *The effect of the thermal fatigue upon the hot rolling mill cylinders*, Metalurgia international, WOS:000256691600005, 13(5), 2008, pg. 25-33, **Factor de impact 0,173**
2. **Pinca-Bretotean Camelia**, Crăciun Andrei Lucian, Josan Ana, Ardelean Erika, *Experimental study of sintered friction material with coconut fiber for brake pads*, Revista de Materiale Plastice București, 2019, ISSN: , WOS:000452711500029, 55(3), 2018, pg.389-392, **Factor de impact 1,393**
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4. **Pinca-Bretotean Camelia**, Ana Josan, Preda Cosmin, *Numerical and experimental analysis of dry contact in pad disc brake assembly*, Journal of Physics, 1426(1), 2020, DOI: 10.1088/1742-6596/1426/1/012001
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6. Crăciun Andrei Lucian, **Pinca-Bretotean Camelia (autor corespondent)**, Birtok-Băneasă Corneliu, Josan Ana, *Composite materials for friction and braking application*, IOP Conference Series: Materials Science and Engineering/ISSN: 17578981, Vol. 200, pg.1-10, 2017, DOI: 10.1088/1757-899X/200/1/012009, WOS:000419288800009
7. **Pinca-Bretotean Camelia**, Crăciun Andrei Lucian, Josan Ana, Ardelean Erika, *Experimental study of sintered friction material with coconut fiber for brake pads*, Revista de Materiale Plastice București, 2019, 55(3), 389-392, 2018 , WOS:000452711500029,
8. **Pinca-Bretotean Camelia**, Ana Josan, Vasile Puțan, *Testing of brake pads made of nonasbestos organic friction composite on specialized station*, Materials Today-Procedings, 45(5), 2021, pg. 4183-4188, <https://doi.org/10.1016/j.matpr.2020.12.039>,
9. Crăciun Andrei Lucian, **Pinca-Bretotean Camelia (autor corespondent)**, Birtok-Băneasă Corneliu, Josan Ana, *Composite materials for friction and braking application*, IOP Conference Series: Materials Science and Engineering/ISSN: 17578981, 200, pg.1-10, 2017, DOI: 10.1088/1757-899X/200/1/012009, WOS:000419288800009
10. **Pinca-Bretotean Camelia**, Crăciun Andrei Lucian, Josan Ana, Ardelean Marius, *Friction and wear characteristics of organic brake pads material*, IOP Conference Series: Materials Science and Engineering/ISSN: 17578981, 477, pg.1-8, 2019, DOI: 10.1088/1757-899X/477/1/012009, WOS:000461184100009
11. **Pinca-Bretotean Camelia**, Rakesh Bhandarib, Chaitanya Sharmac, Shri Krishna Dhakad, Preda Cosmin, Arun KumarSharma, *An investigation of thermal behaviour of brake disk pad assembly with Ansys*, Materials Today-Procedings, <https://doi.org/10.1016/j.matpr.2021.04.296>, 479(10), pg. 2322-2328
12. Josan Ana, Pinca-Bretotean Camelia, Sorin Rațiu, *Researches and studies regarding the casting of brake drums from cast iron*, IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING 477, 2019, 012033, WOS: 000461184100033 / doi: 10.1088/1757-899X/477/1/012033
13. Josan, A., **Pinca-Bretotean Camelia**, Pinca; Ratiu, S., Ardelean, E., Ardelean, M., *Research on the influence of moulding-casting technology on the quality of castings*, IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING 200, 012010, 2017, WOS:000419288800010 / DOI:10.1088/1757-899X/200/1/012010

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20. Arun Kumar Sharma, Rakesh Bhandari, **Pinca-Bretotean Camelia**, *A systematic overview on fabrication aspects and methods of aluminium metal matrix composites*, Materials Today-Procedings, 45(5), pg. 4133-4138, 2021, DOI:10.1016/j.matpr.2020.11.899
21. Sharma A.K., Bhandari R., Aherwar R., Rimasauskiene R., **Pinca-Bretotean Camelia**, *A study of advancement in application opportunities of aluminium metal matrix composites*, Materials Today-Procedings, 47(5), pg.1608-1612,2021, DOI:10.1016/j.matpr.2020.02.516, WOS:000542583200025
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5. Articole și publicații științifice BDI

1. **Pinca-Bretotean Camelia**, Tirian Gelu Ovidiu, Josan A., *Application of finite element method to an overhead crane bridge*, WSEAS Transactions on Applied and Theoretical Mechanics, Vol: 4, Issue 2, 10(64-73), 2008, **Scopus**
2. **Pinca-Bretotean Camelia**, Tirian Gelu Ovidiu, *Research on increasing the lastingness of a rolling bridge*, WSEAS Transactions on Applied and Theoretical Mechanics, Vol: 4, Issue 3, 10 (115-124), 2008, **Scopus**
3. **Pinca-Bretotean Camelia**, Tirian Gelu Ovidiu, Socalici Ana Virginia, Ardelean Erika, *Dimensional optimization for the strength structure of a traveling crane*, WSEAS Transactions on Applied and Theoretical Mechanics, Vol: 4, Issue 4, 10 (147-156), 2009, **Scopus**
4. **Pinca-Bretotean Camelia**, Tirian Gelu Ovidiu, Socalici Ana Virginia, Ardelean Erika, *The optimization of the main beam for the resistance structure of an over-sized rolling bridge*, 9th Int. Conf. Simulation, Modelling and Optimization, WOS: 000273246400013, Book Series:Mathematics and Computer Science, 6 (86-91), 2009, **ISI Proceedings**
5. **Pinca-Bretotean Camelia**, Tirian Gelu Ovidiu, *The analysis of the stresses and strains state of the strength structure of a rolling bridge for increasing its solidity*, 2nd WSEAS International Conference on Engineering Mechanics, Structures and Engineering Geology, WOS: 000276584000009, Book Series:Mathematics and Computer Science, 4 (79-84), 2009, **ISI Proceedings**

6. **Pinca-Bretotean Camelia**, Tirian Gelu Ovidiu, Josan Ana, *Finite element analysis of an overhead crane bridge*, 2nd WSEAS International Conference on Finite Elements, Finite Volumes, Boundary Elements , WOS: 000271229900007, Book Series: Mathematics and Computer Science, 6 (51-56), 2010, **ISI Proceedings**
7. **Pinca-Bretotean Camelia**, Tirian Gelu Ovidiu, Josan Ana, Chețe Gladiola, *Quantitative and qualitative study on the state of the strength structure of a crane bridge*, WSEAS Transactions on Applied and Theoretical Mechanics, Vol: 5, Issue 4, 11 (231-241), 2010, **Scopus**
8. **Pinca Bretotean Camelia**, Tirian Gelu Ovidiu, Josan Ana, Chețe Gladiola, *Modeling effectiveness of stress and deformation state of strength structures*, Latest Trends on Engineering Mechanics, Structures, Engineering Geology, pp.97-102, 2010, ISBN: 978-960-474-203-5, WOS:000288686900018, **ISI Proceedings**
9. **Pinca-Bretotean Camelia**, Josan Ana, *Determination of the variable temperature fields in the cylinder head of a spark ignition engine*, Proceedings of the 22nd International DAAAM Symposium,, Intelligent manufacturing and automation: Ipower of knowledge and creativity Vienna, Austria, ISBN978-3-901509-83-4, Annals of DAAAM and Proceedings of the International DAAAM Symposium, 2(605-606), 2011, **Scopus**
10. **Pinca-Bretotean Camelia**, Josan Ana, Dascăl Amalia, Chețe Gladiola, *Theoretical and experimental studies on the resistance structure of a metallurgical overhead travelling crane in operation*, International Journal of Mechanics, 8(4), 10(128-137), 2014, **Scopus**
11. **Pinca-Bretotean Camelia**, Josan Ana, Birtok-Băneasă Corneliu, *Laboratory testing of brake pads made of organic materials intended for small and medium vehicles*, IOP Conference Series: Materials Science and Engineering, DOI:10.1088/1757-899X/393/1/012029, Volume 393, Issue 1, 7 (1-7), 2018, **Scopus**
12. **Pinca-Bretotean Camelia**, Bhandari R., Sharma C., Preda C., Sharma A.K, *An investigation of thermal behavior of brake disk pad assembly with Ansys*, Materials Today proceedings, 47(10), 7(2322-2328), doi.org/10.1016/j.matpr.2021.04.296, 2021, **Scopus**
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14. Tirian Gelu Ovidiu, **Pinca-Bretotean Camelia**, *Software implementation of a neuronal system which enables the prediction of the wire breaking during continuous casting*, 7th WSEAS international Conference on Circuits, Systems, Electronics, Control & Signal, WOS: 000264171900025, Book Series: Electrical and Computer Engineering Series, 6(151-156), 2008, **ISI Proceedings**
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25. Kiss Imre, **Pinca- Bretotean Camelia**, Josan Ana, *Experimental research upon the durability in exploitation of the Adamite type rolls*, IOP Conference Series: Materials Science and Engineering, 10th International Conference Machine and Industrial Design in Mechanical Engineering, KOD 2018; DOI:10.1088/1757-899X/393/1/012090, 393(1), 6(1-6), 2018, **Scopus**
26. Birtok-Băneasă, C., Rațiu Sorin, **Pinca-Bretotean Camelia**, *The dispersion of heat flow in the engine compartment. Case study: Drift engines*, IOP Conference Series: Materials Science and Engineering, 10th International Conference Machine and Industrial Design in Mechanical Engineering, KOD 2018; Novi Sad/ISSN: 17578981, 393(1), 8 (1-7), 2018, **Scopus**
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29. Sharma A.K., Bandhari R, Sharma C., Dahad S.C., **Pinca-Bretotean Camelia**, *A study of effects of reinforcement materials in aluminium based in metal matrix composites*, International Journal of Engineering Trends and Technology, 69(9), 5(24-28), 2021, **Scopus**

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1. **Pinca-Bretotean Camelia**, Tirian, Kiss, Josan A., *Experimental researches under the durability of rolling mill cylinders*, 9th International Research/Expert Conference-Trends in the Development of Machinery and Associated Technology, Antalya, Turkey, 2005, **Google Scholar**
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