

## LISTA

### lucrărilor științifice în domeniul disciplinelor din postul didactic

#### A – Teza de doctorat

„Betoane de înaltă rezistență cu fibre mixte”  
conducător științific : Prof.dr.ing. Zoltan Kiss  
Universitatea Tehnică din Cluj-Napoca  
Susținere publică: 13.12.2013.

#### B – Cărți și capitole în cărți publicate

##### CĂRȚI

1. Horia CONSTANTINESCU, Laura-Catinca LEȚIA, Oana-Eugenia GHERMAN  
*ÎNDRUMATOR PENTRU DIMENSIONAREA ELEMENTELOR STRUCTURALE DIN  
BETON ARMAT*, Editura UTPRESS, loc. CLUJ-NAPOCA, an 2023, ISBN 978-606-  
737-687-6, nr pagini 90.

#### C – Lucrări indexate ISI/BDI

##### **c1) Articole / studii publicate la conferințe indexate sau în reviste de specialitate de circulație internațională recunoscute (cotate ISI)**

1. **Constantinescu H.**, Gherman O., Negrutiu C., Sosa P.I. Mechanical Properties of Hardened High Strength Concrete, *Procedia Technology*, Vol. 22, 2016, pp: 219–226, ISSN 2212-0173, DOI: 10.1016/j.protcy.2016.01.047
2. **Constantinescu H.**, Gherman O., Pastrav M. Experimental study regarding deflection in shear of high strength concrete beams, *Nano, bio and green - technologies for a sustainable future conference proceedings, SGEM 2016, vol II*, jun 30-jul 06, 2016, Albena, BULGARIA, pp. 99-104, ISSN 1314-2704
3. **Baera C.**, Pastrav M., Szilagyi H., Gherman O. Fibre engineered cementitious materials (fecm) as beam to column monolithic interface within seismic resistant hybrid joint, *Nano, bio and green - technologies for a sustainable future conference proceedings, SGEM 2016, vol II*, jun 30-jul 06, 2016, Albena, BULGARIA, pp. 105-112, ISSN 1314-2704
4. **Gherman O.E.**, Constantinescu H., Gherman M.C. Mechanical properties of high strength steel fiber reinforced concrete. *Nano, bio and green - technologies for a sustainable future conference proceedings, SGEM 2016, vol II*, jun 30-jul 06, 2016, Albena, BULGARIA, pp. 629-636, ISSN 1314-2704
5. **Cazan O.E.**, Gherman M.C., Constantinescu H., Hegyi A., Shrinkage behaviour of hybrid fiber reinforced high strength concrete. *Nano, bio and green - technologies for a sustainable future, vol I (SGEM 2015)*, iun 18-24, 2015, Albena, BULGARIA, pp. 187-192, ISSN 1314-2704, DOI: 10.5593/sgem2015B61
6. **Cazan O.E.**, Gherman M.C., Szilagyi H., Constantinescu H. Strength properties of polypropylene fiber reinforced high strength concrete. *Nano, bio and green -*

- technologies for a sustainable future, vol I (SGEM 2015)*, iun 18-24, 2015, Albena, BULGARIA, pp. 193-200, ISSN 1314-2704, DOI: 10.5593/sgem2015B61
7. **Constantinescu H.**, Cazan O., Szilagyi H., Hegyi A. Experimental determination of poisson's ratio for high strength concrete using destructive tests, *Nano, bio and green - technologies for a sustainable future, vol II (SGEM 2015)*, iun 18-24, 2015Albena, BULGARIA, pp. 121-126, ISSN 1314-2704, DOI: 10.5593/sgem2015B62
  8. **Constantinescu H.**, Cazan O., Păstrav M., Baeră C. Pure shear behaviour of high strength concrete elements, *Nano, bio and green - technologies for a sustainable future, vol II (SGEM 2015)*, iun 18-24, 2015Albena, BULGARIA, pp. 251-256, ISSN 1314-2704, DOI: 10.5593/sgem2015B62
  9. **Cazan O.**, Gherman M.C. The use of micro-syntetic fibers for preventing high strength concrete spalling, *Nano, bio and green - technologies for a sustainable future, vol I (SGEM 2015)*, iun 18-24, 2015, Albena, BULGARIA, pp. 191-196, ISSN 1314-2704
  10. **Cazan O.**, Măgureanu C., Time effect on hpc with and without fibers addition, *Journal Of Applied Engineering Sciences*, Vol. 2(15), Issue 2-2012, pp. 17-22, ISSN 2247-3769, 2012
  11. **Moldovan R.**, Măgureanu C., Cazan O., The study of bond strength and bond duranility of high performance concrete, *Journal Of Applied Engineering Sciences*, VOL. 2(15), ISSUE 2-2012, pp. 55-60, ISSN 2247-3769

**c2) Studii publicate la conferințe sau în reviste indexate în baze de date internaționale de referință în domeniul Iniginerie Civilă**

1. **Negrutiu, C.**, Sosa, I., Heghes, B., Gherman, O., Constantinescu, H. Fiber Reinforced Concrete Elements Exposed to Accelerated Corrosion. *RILEM Bookseries*, 2021, 30, pp. 433–444, ISBN 978-3-030-58481-8
2. **Gherman O.**, Constantinescu H., Pastrav M, Gherman C. Modulus of elasticity of high strength concrete. *Proceedings of 17th International Multidisciplinary Scientific Geoconference*, iun-iul, 29-05, 2017, Albena, BULGARIA, pp. 289-294 pag, ISBN 978-1-5108-4819-1
3. **Szilagyi H.**, Baera C., Pastrav M., Gherman O., Constantinescu H. Designing self-compacting fibre reinforced concrete compositions by optimal material synthesis, . *Proceedings of 17th International Multidisciplinary Scientific Geoconference*, iun-iul, 29-05, 2017, Albena, BULGARIA, pp. 89-96 pag, ISBN 978-619-7408-13-3
4. **Baera C.**, Szilagyi H., Pastrav M., Gherman O., Constantinescu H. Preliminary research for development of fibre concrete with sel compacting properties, *Proceedings of 17th International Multidisciplinary Scientific Geoconference*, iun-iul, 29-05, 2017, Albena, BULGARIA, pp. 359-366 pag, ISBN 978-619-7408-13-3
5. **Pastrav M.**, Constantinescu H., Gherman O. Test-based design of innovative concrete structures, *Proceedings of 17th International Multidisciplinary Scientific Geoconference*, iun-iul, 29-05, 2017, Albena, BULGARIA, pp. 793-800 pag, ISBN 978-619-7408-13-3

## D – Lucrări publicate în reviste și volume de conferințe cu referențe

1. **Gherman O.**, Păstrav M., Constantinescu H., Baeră C. Experimental study on modulus of elasticity of high strength concrete (HSC), *14th International Conference on New Trends in Statics and Dynamics of Buildings*, 13 - 14 octombrie 2016, Bratislava, Slovacia, ISBN 978-80-227-4613-7
2. **Cazan O.E.**, Constantinescu H., Șosa I., Gherman M.C. (2015), Determination of energy absorption capacity of fiber reinforced sprayed concrete, *CONSTRUCȚII*, Vol. 15, No.2, 2015 pp:34 [ISSN 1221 - 2709 (print), 2247-0328 (online)]
3. **Dico C.**, Hegyi A., Cazan O., Constantinescu H. Materiale de rostuire pentru plăcile de gips carton. determinarea încărcării de rupere prin metoda tracțiunii, *Lucrările conferinței de cercetare în construcții, economia construcțiilor, urbanism și amenajarea teritoriului*, mai 2015, Vol 9, 91 pag, ISSN 2393-3208, pp: 67-76, disponibil la <http://www.incd.ro/wp-content/uploads/2015/04/ATUAC9.pdf>
4. **Cazan O.E.**, Gherman M.C., Boldor R.P., Brata T.M., Hybrid fiber reinforced HPC at elevated temperatures, *Acta Technica Napocensis: Civil Engineering & Architecture*, Vol. 57, No. 2, 2014, ISSN 1221-5848, disponibil la [http://constructii.utcluj.ro/ActaCivilEng/download/atn/ATN2014%282%29\\_11.pdf](http://constructii.utcluj.ro/ActaCivilEng/download/atn/ATN2014%282%29_11.pdf)
5. **Hegyi A.**, Constantinescu H., Cazan O., Barbos G. Comparative analysis of costs for the corrosion protection over the whole service life of steel structures, *Bulletin of the Transilvania University of Brașov*, Vol. 8 (57) No. 1 – 2015, Series I: Engineering Sciences, pp: 51-58, disponibil la [http://webbut.unitbv.ro/BU\\_2015/Series%20I/BULETIN%20I%20PDF/Hegyi\\_A.pdf](http://webbut.unitbv.ro/BU_2015/Series%20I/BULETIN%20I%20PDF/Hegyi_A.pdf)
6. **Călătan G.**, Hegyi A., Dico C, Cazan O. Comparative study on the physico-mechanical characteristics for five types of wood flooring, *CONSTRUCȚII*, 15/LXII, 2/2014: 60-67, ISSN 1221 - 2709 (print), 2247-0328 (online)] disponibil la [http://constructii.incerc2004.ro/Archive/2014-1/Constructii\\_2014\\_Vol.15\\_No.1\\_ID2014150103.pdf](http://constructii.incerc2004.ro/Archive/2014-1/Constructii_2014_Vol.15_No.1_ID2014150103.pdf)
7. **Hegyi A.**, Dico C., Călătan G., Cazan O. Comparative study on the mechanical performance of beech and ash laminated panels, *Journal of the National Research and Development Institute in Construction, Urban Planning and Sustainable Spatial Development*, URBAN- INCERC, INCERC Bucharest Branch, Romania – No. 1 / 2014, ISSN 1221-2709, e-ISSN 2247-0328, pp: 21-28
8. **Cazan O.**, Moldovan R., Măgureanu C. High performance concrete at 300 °C, *Bulletin Of The Transilvania University Of Brașov*, 2012, VOL. 5 (54) – Series 1, Special Issue no. 1, pp: 55-60, ISSN 2065-2127
9. **Cazan O.**, Măgureanu C., Moldovan R. Influence of the cocktail fibres on the high performance concrete subjected to short and long term loading, *Proceedings of The 8th Central European Congress on Concrete Engineering “Durability of Concrete Structures”*, Plitvice Lakes, Croatia, 2012, pp: 371-377, ISBN 978-953-7621-14-8
10. **Cazan O.**, Măgureanu C., Moldovan R. Cocktail of steel and polypropylene fibres on hpc at different temperatures, *Proceedings 12th International Scientific Conference VSU’ 2012*, 7-8 June, Sofia, Bulgaria, Vol. II, pp: V-121-V126, ISSN 1314-071X
11. **R. Moldovan, O. Cazan, C. Măgureanu, C. Negrutiu** – Corrosion of steel in high strength concrete, *Bulletin of the Transilvania University of Brasov*, Vol.5 (54), 2012, Series 1, Special Issue no. 1, ISSN: 2065-2127, International Scientific Conference CIBv 2012, Civil Engineering and Building
12. **Andreea Muntean, Cornelia Măgureanu, Oana Cazan and Radu Moldovan**, Creep and shrinkage of high strength concrete, *Proceedings 12th International Scientific Conference VSU’ 2012*, 7-8 June, Sofia, Bulgaria, Vol. II, pp: V-114-V120, ISSN 1314-071X

13. Radu Moldovan, Cornelia Măgureanu, **Oana Cazan**, The study of bond strength and durability of high performance concrete, *Proceedings of The 8th Central European Congress on Concrete Engineering "Durability of Concrete Structures"*, Plitvice Lakes, Croatia, 2012, pp: 429-434, ISBN 978-953-7621-14-8
14. Ofelia Corbu, Cornelia Măgureanu, Dumitru Moldovan, Henriette Szilágyi, **Oana Cazan**, Innovative green concrete mixes by use of glass by-products, *International fib Symposium 2011-Concrete Engineering For Excellence And Efficiency*, 22-23 septembrie, Balatonfüred, Hungary, 2011, ISBN 978-80-87158-29-6, pp: 211-214
15. Cornelia Măgureanu, **Oana Cazan** and Vasile Barna, High performance concrete at elevated temperatures, *Conferința Internațională DEDUCON*, Iași, România, 11 noiembrie 2011, pp: D-7-D15, ISSN 2248-0293
16. Țibea C., **Cazan O.** și Constantinescu H., Calculul static spațial al structurilor în cadre de beton armat cu programul Robot, *Sesiunea Națională de Comunicări Științifice Studențești*, Ediția a VII-a, Cluj-Napoca, România, 3 aprilie 2009

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Semnătura

