

# CURRICULUM VITAE

**First name**                   **Nicolae**

**Family name**                   **Angelescu**

**Nationality**                   Romanian

**Education**                   . Polytechnica University Bucharest, in Engineering, 1972  
  . Doctorate, 1983.

**Work Places**                 ***Metallurgical Research Institute (Res. Met. Inst. - ICEM) Bucharest***  
  . Technological Engineer 1972,  
  . Researcher 1975,  
  . Senior Scientist, 1985,  
  . Chief of Engineering Materials Laboratory, 1988 - 1996,  
  . Director of the National and International Research Programs, 1994 –  
  2012.

***Valachia University of Targoviste***  
  . Assoc Professor, 1996,  
  . Full Professor, 2000,  
  . Chief of Science Materials Chair at Valahia University, 2002,  
  . Deputy Director of MEIR Department at Valahia University, from 2004,  
  . PhD coordinator, from 2006.

***Politehnica University Bucharest***  
  . Assoc Professor, from 2002.

## **Didactic Activity**

Professor for Advanced Ceramics, Engineering Materials (Cements, Concretes, Ceramics, Biomaterials) at Valahia University of Targoviste and Politehnica University Bucharest.

## **Doctoral, Master and Bachelor Papers Guided**

Many Ph.D guided and guiding, bachelor and dissertation papers guided, also.

No of Ph.D Evaluated in Romania and Abroad – 23.

### **Member of editorial board**

- . The International Journal of Concrete Technology,
- . The Journal The Scientific Bulletin of Valahia University Materials and Mechanics.

### **Member of the organizing committee of international scientific meetings**

- . Member of the Organizing Committee and Chairman of the Conferences organized by ICEM Bucharest (1980 - 1990).
- . Member of the Organizing Committee and Chairman of the Conferences organized by the Valahia University of Targoviste (2003 - until now).
- . Member of the organizing committee and secretary of the Department of Refractories Sessions Scientific Communication CONSILOX, 1980.
- . Member of the Organizing Committee and Chairman at The 7th International Conference on Concrete Technology, 2008, Kuala Lumpur, Malaysia.
- . Member of the Organizing Committee and Chairman of the International Conference ARMICON, 2006, India.
- . Chairman of the 13<sup>th</sup> International Congress on Polymers in Concrete, Funchal – Madeira, Portugal, 2010.

### **Selected Grants**

- . Refractory Materials, Romania, 1998,
- . Big Capacity Cement Factory Preheater Refractory Lining, Assiut, Egypt, 1989,
- . Low Cement Concretes, Romania, 1997
- . New refractory materials for steelmaking, 2008.
- . Special refractory materials for reducing environment, 2006.
- . Performance refractory technology for chemical and petrochemical industry, 2006.
- . Refractory concretes composition, 2004.
- . New binding system for monolithic refractories, 2001.

### **International research projects**

- . Refractory Monolithic for Installation Tech. in Hot Climates, Assiut, Egypt, 1987.
- . Special Concretes for Assiut Cement Factory Preheater (Egypt), 1988.
- . Silica fume and alumina fine powders special refractory castables. Scientific research Project Romania-India (Parteners: Valahia University Targoviste and Metallurgical Research Institute Bucharest from ROMANIA and M.S.R. Institute of Technology Bangalore, INDIA), 2007.

### **European Projects**

1. PREDEX, Cod POSDRU/CPP107/DMI1.5/S/77497, 2011 - 2013;
2. Cod POSDRU/ 88/1.5/S/63269, 2011 - 2013;
3. POSDRU 6/1.5/S/232011, 2010 -2012.

### **Related Activities**

- . Scientifically Counsellor of Res. Met. Inst., 1996,
- . Advisor of Valachia University, 1995,
- . Advisor of Polytechnica University, 1995,
- . Directorship of Silicate and Oxide Materials Congress, Constanta, 1996,
- . Directorship of Annual International Metallurgical Conference, Bucharest, 1976-1990,
- . Member of Romanian Ceramic Society, Romanian Metall. Soc., Engr. National Council,
- . Doctorate Board Member of Politehnica University from Bucharest,
- . Member of executive board for International Association for Concrete Technology (IATC),
- . AASCIT Member (The American Association for Science and Technology - AASCIT), 2012.

### **Recognition**

American Who'sWho in Science and Engineering, 5<sup>th</sup> Edition, 2000-2001,  
American Who'sWho in Science and Engineering, 6<sup>th</sup> Edition, 2002-2003,  
American Who'sWho in Science and Engineering, 7<sup>th</sup> Edition, 2004,  
American Who'sWho in Science and Engineering, 8<sup>th</sup> Edition, 2005,  
American Who'sWho in Science and Engineering, 9<sup>th</sup> Edition, 2006,  
American Who'sWho in Science and Engineering, 10<sup>th</sup> Edition, 2007,  
American Who'sWho in the World, 17<sup>th</sup> Edition, 2000,  
American Who'sWho in the World, 18<sup>th</sup> Edition, 2001,  
American Who'sWho in the World, 19<sup>th</sup> Edition, 2002,  
American Who'sWho in the World, 20<sup>th</sup> Edition, 2003,  
American Who'sWho in the World, 21<sup>th</sup> Edition, 2004,  
Who'sWho in Finance and Industry 33<sup>rd</sup> Edition, 2002-2003, 34<sup>th</sup> Edition, 2004- 2005,  
Who'sWho in Finance and Business 33<sup>rd</sup> Edition, 2004-2005,  
Hubners Who is Who - Romanian Personalities Encyclopedia, 5<sup>th</sup> Edition, 2010.

### **Awards**

- International Scientist of the Year for 2001, IBC Cambridge,
- International Personality of the Year for 2000, IBC Cambridge,
- Intellectual of 20<sup>th</sup> Century, IBC Cambridge,

- International Man of the Year for 2001, IBC Cambridge,
- Scientist of the 20<sup>th</sup> Century – Second Edition,
- The Twethiech Century Award for Achievement, IBC Cambridge,
- The Twethiech Century Award for Achievement, IBC Cambridge,
- Outstanding people of the 20<sup>th</sup> Century - Second Edition, IBC Cambridge,
- Leader for the New Century – Barons Who's Who,
- Scholars of the 21<sup>ST</sup> Century - IBC Cambridge,
- Intellectual of 21<sup>th</sup> Century, IBC Cambridge, Second Edition, IBC Cambridge,
- Scientist of the 21<sup>st</sup> Century, IBC Cambridge,
- 21<sup>st</sup> Century Award for Achievement, IBC Cambridge,
- Leading Scientist of the World, 2005, IBC Leading Professional of the World, Anglia,
- Man of the Year – 2006, ABI American Biographical Institute, Inc.
- Doctor Honoris Causa

### **Scientific Research Activity**

#### **Fields of Fundamental Themes:**

- . Silicate Cements,
- . Silicate Concretes,
- . Aluminous Cements,
- . Refractory Concretes,
- . Low and Ultra-Low Cement Concretes
- . Refractory Ram and Plast Masses,
- . Refractory Dry Masses,
- . Technical and Advanced Ceramics,
- . Ceramic Biomaterials,
- . Refractory Intermetallic Compounds,
- . Cermets,
- . Composites,
- . Refractory Monolithic Linings for Waste Incinerators and Power Plants,
- . Metallurgical powder.

#### **Fields of Applicative Themes:**

- . Silicate Cements,
- . Silicate Concretes,
- . Refractory Monolithic for Iron, Steel and Non-ferrous Industry,
- . High Alumina Concretes for Chemical and Petrochemical Industry,
- . Bioceramics (Hydroxyapatite, Bioglasses)
- . Ceramic Pieces for Thermocouples,
- . Monolithic Linings for Chemical and Petrochemical Installations,
- . Refractory Monolithic for Cement Plants (i.e. Preheater),
- . Refractory Monolithic Linings for Waste Incinerator and

- Power Plants,
- . Refractory Composites,
- . Raw Materials for Electrical Resistance Elements Type Silite and Superkanthal,
- . Monolithic Refractories for Steel Ladle.
- . Steel casting.

**In above-mentioned fields I am holder of**

- . 144 fundamental and applicative research projects,
- . 19 Patents (10 applied industrially),
- . Over 135 scientific communications,
- . Over 168 published works,
- . 9 speciality books and 2 lab guides.

**. Patents**

1. Rus, I., **Angelescu, N.**, Branza, M., Ittu, C., Grecicosei, C. - *Compoziție specială de betoane refractare pentru oțelarii*, Dosar OSIM A/00767/28.09.2009
2. **Angelescu, N.**, Ionita, G., Grecicosei, C., Nicolae, A., Andrei, G., Bedo, T. – *Compoziție de betoane anticorozive rezistente la medii reducătoare*. Dosar OSIM A/00212 din 22.03.2007.
3. **Angelescu, N.**, Ionita, G., Oprea, F., Grecicosei, C. – *Produse refractare monolitice și procedeu de obținere a acestora*. Brevet Romania nr. 122452 din 30.06.2009.
4. **Angelescu, N.** Nedelcu, I. - *Compozitie metaloceramica*. Brevet nr. 109538 din 28.02.1995.
5. **Angelescu, N.**, Grecicosei, C., Volceanov, E., Tuclea, D., Mircea, F. - *Amestec de siliciuri de molibden și procedeu de obținere a acestora*. Brevet nr. 106867, din 30.06.1993.
6. Teoreanu, I., **Angelescu, N.**, Bertalan, V., Bertalan, G., Volceanov, E., Radulescu, G., Mihalache, F., Mircea, F., Grecicosei, C., Stanciu, L. - *Betoane refractare aluminoase speciale*. Brevet nr. 105950 din 30.12.1992.
7. **Angelescu, N.**, Bertalan, V., Catone, D., Mihalache, F., Radulescu, G., Volceanov, E., Grecicosei, C., Stanciu, L. - *Compozitie de betoane refractare*. Brevet nr. 105951 din 30.12.1992.
8. **Angelescu, N.**, Volceanov, E., Grecicosei, C., Stanciu, L., Bertalan, V. - *Betoane refractare cu înaltă rezistență la soc termic*. Brevet nr. 105953 din 30.12.1992.
9. **Angelescu, N.** - *Compozitie specială de materialrefractar*. Brevet nr. 105562 din 31.08.1991.
10. Becherescu, M., Ittu, C., **Angelescu, N.**, Suciu, I., Chebutiu, S., Ghitau, R., Dumitrescu, T. - *Praf de lubrifiere pentru turnarea oțelurilor speciale*. Brevet nr. 102670 din 9. 09. 1991.
11. **Angelescu, N.**, Mircea, F. P., Bertalan, G. – *Compozitie magneziospinelica*. Brevet nr. 101167 din 28.03.1990.
12. **Angelescu, N.**, Szabo, A., Mihalache, F. – *Compozitie refractara corindonica*. Brevet nr. 99198 din 8.06. 1987. Aplicat industrial la S.C. REAL - SA Pleasa Ploiesti.
13. **Angelescu, N.**, Szabo, A., Burtan, N., Paslaru, I., Mazilu, I., Urcan, M., Grecicosei,

- C. – *Compozitie refractara alumino-spinelica*. Brevet nr. 96587 din 9.10.1986.  
Aplicat industrial la Fabrica de Produse Magneziene Tulcea.
14. **Angelescu, N.**, Dragomir, C., Szabo, A., Dragoman, I., Preda, D. - *Masa refractara magnezioaluminoasa*. Brevet nr. 87179 din 24.01.1985. Aplicat industrial la Fabrica de Produse Magneziene Tulcea.
15. Teoreanu, I., **Angelescu, N.** - *Betoane refractare aditivate*. Brevet nr. 82184 din 28.04.1983.
16. Teoreanu, I., **Angelescu, N.** - *Compozitie pentru betoane refractare*. Brevet nr. 80287 din 10.09.1982.
17. Teoreanu, I., **Angelescu, N.** - *Betoane refractare*. Brevet nr. 73567 din 30.01.1980.  
Aplicat la I.P.R. REAL - Pleasa Ploiesti.
18. **Angelescu, N.**, Dragomir, C., Rosculeti, I. - *Mase refractare magnezitice pentru cupoare metalurgice*. Brevet nr. 73251 din 29. 11.1979. Aplicat la ICEM si Grant Metal Bucuresti.
19. Szabo, A., **Angelescu, N.**, Popovici, R. - *Mase refractare pentru captusirea cupoarelor metalurgice*. Brevet nr. 69630 din 25.10.1978. Aplicat industrial la I.P.R. REAL - Pleasa Ploiesti.

#### **Books**

- . Refractory Materials, Laboratory Guide, 1998,
- . Corrosion and protection against corrosion of materials, Laboratory Guide, 1999,
- . Fundamentals of Special Refractory Concretes, Ed. Macarie, Târgoviște, ISBN 973 - 9391 – 83 – 4, 2001,
- . Electrochemistry technology, Ed. Științifică F.M.R., Bucuresti, ISBN 973 - 8185 – 06 – 6, 2002,
- . Corrosion resistant metallic and nonmetallic materials, Editura Științifică F.M.R., Bucuresti, ISBN 973 – 8185 – 08 – 2,2002,
- . Corrosion and corrosion protection of metallic materials, Ed. Macarie, Târgoviște, ISBN 973-8135- 99-0, 2002,
- . Molybdenum silicide – material with anticorrosive and resistive properties, Ed. Macarie, Târgoviște, ISBN 973-8135-93-6, 2002,
- . Special monolithics for ladles, Ed. Macarie, Târgoviște, ISBN 973-8135- 97-4, 2002,
- . Ceramic phase composite materials, Ed. Științifică F.M.R., București, ISBN: 973-8151-37-6, 2005,
- . Epistemology interdisciplinary perspective, Ed. Bibliotheca, Targoviste, ISBN978-973-712-651-3, 2011,
- . Ceramic Biomaterials Based on Calcium Phosphate, Ed. Valahia University Press, ISBN 978-606-603-028-12012.

#### **• Works Published in Magazines**

##### **A. ISI and/or Thomson Scientific Indexed Magazines**

1. Toma Florin Marian, Angelescu Nicolae, Stoian Elena Valentina - *Blast furnace slags recovery at continuous steel casting*. Polish Polar Research Journal, 42(2) 2021, pp. 20 –

25.

2. D. Avram, D.N. Ungureanu, **N. Angelescu**, I. Ioniță, E. C. Popescu - *The bioactivity assessment of silver-doped phosphocalcic glasses*, International Conference SPIE ATOM-N-2018, 23-25 august, Constanta, PDF: 8 pages, Proc. SPIE 10977, Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies IX, 109770D, (ISI indexed), 31 December 2018-January 2019, DOI: 10.1117/12.2323596.
3. Avram, D., **Angelescu**, N., Ungureanu, D., Ionita, I., Gheboianu, A., Bancuta, L., Popescu, E. C. - *The structural and compositional evaluation of some calcium phosphate glasses with bioactive potential*. Revista de Chimie, 69, Nr. 6, 2018.
4. Avram, D., **Angelescu**, N., Ungureanu, D., Ionita, I., Gheboianu, A., Bancuta, L. - *Study of phosphocalcic glasses  $SiO_2 - CaO - P_2O_5$  system with and without silver I. Synthesis of glasses and characterization by WD – XRD*. Revista de Chimie, 68, Nr. 5, 2017.
5. Avram, D., **Angelescu**, N., Ungureanu, D., Bratu, V. Ionita, I., Gheboianu, A., Lungulescu, E.,M. - *Study of phosphocalcic glasses  $SiO_2 - CaO - P_2O_5$  system with and without silver II. The bioactivity analysis by FTIR, SEM methods and microbiological study of silver- doped glasses*. Revista de Chimie, 68, Nr. 6, 2017.
6. Avram, D., **Angelescu**, N., Ungureanu, D., Bratu, V., Gheboianu, A., Bancuță, Setnescu, T. - *Study on bioactivity of phosphocalcic glasses*, Journal of Optoelectronics and Advanced Materials, Vol. 18, No. 7-8, July - August 2016, p. 691 – 696.
7. Avram, D., **Angelescu**, N., Ungureanu, D., Bratu, V. - *Obtaining simple and doped phosphocalcic glasses by using sol-gel technique*. Journal of Optoelectronics and Advanced Materials (JOAM), Vol. 17, No. 7-8, July - August 2015, p. 1038 - 1043. Lucrare prezentata la BRAMAT2015.
8. **Angelescu**, N., Ionita, C., Bratu, V. - *Structural and mechanical characterization of high alumina additivated cement based on high refractory mineralogical compounds*. Construction Materials and Structures. Pages 113 – 120. Edited by Ekolu, S.O., Dundu, M., Gao, X., IOS Press, 2014, doi: 10.3233/978-1-61499-466-4-113. Conference: 1st International Conference on Construction Materials and Structures, Johannesburg, South Africa, November 24 – 26, 2014.
9. Abdelgader, H. S., Othman A. M., El-Baden, A.S., **Angelescu**, N. - *Concreting method that produces sustainable concrete*. Construction Materials and Structures. Pages 127 – 135. Edited by Ekolu, S.O., Dundu, M., Gao, X., IOS Press, 2014, doi: 10.3233/978-1-61499- 466-4-127. Conference: 1st International Conference on Construction Materials and Structures, Johannesburg, South Africa, November 24 – 26, 2014.
10. Ungureanu, D., **Angelescu**, N., Catangiu, A., Bratu, V., Despa, V., Anghelina, V., Tsakiris, V., Marinescu, V. - *In vitro structural changes on the surface of  $SiO_2 - CaO - P_2O_5$  bioactive glasses*. Journal of Optoelectronics and Advanced Materials (JOAM), Vol. 15, No. 7-8, July - August 2013, p. 744 – 749. Lucrare prezentata la BRAMAT2013.
11. Ion, I., Barosso, J. A., **Angelescu**, N., Stanciu, D. - *Properties of polymer modified concrete in fresh and hardened state*. Advanced Materials Research, Trans. Tech. Publications, Switzerland, Vols. 687, pp 204-212, 2013. Lucrare prezentata la 14th ICPI International Congresses on Polymers in Concrete, Shanghai (China), 2013.
12. Ion, I., Stanciu, D., Barosso, J. A., **Angelescu**, N. - *Polymer concrete, correlations between properties*. Metalurgia International, Vol. XVIII(5), p. 236-249, 2013.

13. Stanciu, D., Ion, I., Barosso, J. A., **Angelescu, N.** - *Self-Compacting Concrete. A Comparison between the Workability Properties, Density, Porosity and Mechanical Properties*. Metalurgia International, Vol. XVIII(3), p. 138-141, 2013.
14. Abdelgader, H. S., Segayer, A. M., Fahema, A. H., El-Baden, A.S., **Angelescu, N.** – *Mechanical Properties of Two-Stage (Pre-Placed Aggregate) Concrete*. Proceedings of The International Conference on Advances in Cement and Concrete in Africa, ACCTA 2013, Johannesburg, South Africa, 2013, pp. 351 – 359.
15. Ionita, C., **Angelescu, N.** Abdelgader, H. S., Bratu, V., Stanciu, D., Ion, I. - *The influence of hydration on the mechanical strength of the high aluminous cement*. Proceedings of The International Conference on Advances in Cement and Concrete in Africa, ACCTA 2013, Johannesburg, South Africa, 2013, pp. 961 – 968.
16. **Angelescu, N.**, Amziane, S., Ionita C., Ion, I., Stanciu, D. - *Concretes for Special Applications*. Advanced Materials Research, Trans. Tech. Publications, Switzerland, Vols. 479-481, pp 595-600, 2012.
17. **Angelescu, N.**, Amziane, S., Ionita C., Ion, I., Stanciu, D. - *Special and New Monolithics*. Advanced Materials Research, Trans. Tech. Publications, Switzerland, Vols. 479-481, pp 362-365, 2012.
18. Ungureanu, D., **Angelescu, N.**, Tsakiris, V., Marinescu, V. - *Investigations Regarding Chemical Measuring of Synthesis of Calcium Hydroxyapatite*, Romanian Journal of Materials (Revista Romana de Materiale), 42 (1), pp. 52-60, 2012.
19. Ionita C., **Angelescu, N.**, Amziane, S. – *Characterization of super alumina cements using thermogavimetry analysis and X-ray diffraction*, Metalugia International vol 17 (2012), no. 6, pp. 174-177, ISSN 1582 – 2214.
20. Ungureanu, D., **Angelescu, N.**, Catangiu, A., Stoian, E., Rizescu, C, Avram, D. – *Synthesis and Characterisation of Bioactive Sol – Gel Glass: A Preliminary Study*. Advanced Materials Research, Trans. Tech. Publications, Switzerland, Vols. 341-342, pp 21-25, 2012.
21. **Angelescu, N.**, Ungureanu, D., Catangiu, A. - *Synthesis of Crystalline Hydroxyapatite Prepared from Aqueous Solutions*. Revista de Chimie, 62, Nr. 7, 702-706, 2011.
22. **Angelescu, N.**, Ungureanu, D., Catangiu, A., Bratu, V., Anghelina, V. – *Synthesis and characterization of Hydroxyapatite Powders obtained by Wet Chemical Method*. Metalurgia International, Vol. XVI(4), p. 125-128, 2011. (*Lucrare prezentata la 7th International Conference on Materials Science & Engineering BRAMAT*, Brasov, 2011)
23. **Angelescu, N.**, Muntean, M., Ionita, C. - *Noi betoane refractare speciale*. Revista Romana de Materiale, 40 (3), pag. 193-202, 2010.
24. **Angelescu, N.**, Barosso, J., Surugiu, G., Paunescu, L. – *Considerations Regarding the Possibility of Heat Losses Reducing through Furnace Lining in Accordance with Actual Trends of Refractory Lining Structure Optimization*. Metalurgia International, Vol. XV(12), p. 23-28, 2010.
25. **Angelescu, N.**, Paunescu, L., Surugiu, G. – *Thermal Conductivity Reduction – Basic Requirements of Performance Refractory Linings*. Metalurgia International, Vol. XV(8), p. 48-54, 2010.
26. **Angelescu, N.**, Surugiu, G., Paunescu, L. – *Calculating Heat Losses through Refractory Lining During Heating and Cooling a Batch Furnace*. Metalurgia International, Vol. XIV(9), p. 8-14, 2009.

27. **Angelescu, N.**, Paunescu, L. – *Researches in View of Heat Losses Reduction through the Insulation of the Casting Ladles*. Metalurgia International, Vol. XIV(9), p. 33-38, 2009.
28. **Angelescu, N.**, Paunescu, L., Surugiu, G. – *Determining the Correlation Between the Liquid Steel Temperature and the Temperatures of the Casting Ladle Encasting Surface During Transportation to the Continuous Casting Station*. Metalurgia International, Vol. XIV(10), p. 16-21, 2009.
29. **Angelescu, N.**, Rizescu C. - *Cobalt and its compounds*. www.Environmental - Expert.com Articles & Case Studies, Health & Safety, published May 29, 2007.
30. **Angelescu, N. s.a.** - *Consideratii privind sinteza MoSi<sub>2</sub> si obtinerea componitelor ceramometalice cu faza ceramica din alumina rezistente la coroziune*. Revista de Chimie, 58, Nr. 12, 1239-1243, 2007.
31. **Angelescu, N.** - *MoSi<sub>2</sub> – Al<sub>2</sub>O<sub>3</sub> Cermet Type*. Seventh ECERS, Brugge, Belgium, 2001 (Publicat in 2002). Key Engineering Materials, Trans Tech Publications, Switzerland • Germany • UK • USA, Vols. 206-213, pp. 665-668, ISBN 0-87849-882-6, 2002.
32. **Angelescu, N.** - *Some Considerations Regarding MoSi<sub>2</sub> Synthesis*. Ceramics International, 24(1), pp. 73-76, 1998, ISSN 0272-8842.
33. Oprea, F., **Angelescu, N.** - *MoSi<sub>2</sub> Self - Purification through High – Temperature Synthesis*. The 5<sup>th</sup> European Ceramic Society Conference. Key Engineering Materials, Trans. Tech. Publications, Switzerland, Vols. 132-136, pp. 806 – 809, 1997.
34. Teoreanu, I., **Angelescu, N.**, Tuclea, D. - *La cinetique de la hydratation du ciment alumineux CA-CA<sub>2</sub> et la composition de ses produits de hydratation*. Revue Roumaine de Chimie, Academia Romaniei, 29(1), pp. 113-120, 1984, ISSN 0035-4090.

#### **B. Other Magazines**

1. Dan Nicolae Ungureanu, **Nicolae Angelescu**, Adrian Catangiu, Daniela Avram, Florina Violeta Anghelina and Ileana Nicoleta Popescu – *Synthesis of Ceramic Biomaterials Based on Calcium and Phosphorus from Aqueous Solutions*. The Scientific Bulletin of VALAHIA University – MATERIALS and MECHANICS, DOI 10.2478/bsmm-2019-0014, Volume 17, Issue 17 (Martie 2020), p.23 – 26.
2. Elena Valentina STOIAN, Dan Nicolae UNGUREANU, Florin TOMA, Alexandru Gabriel COLȚA, Daniel ANCULESCU, Vasile BRATU, **Nicolae ANGELESCU** - *SPECIAL BINDING FOR REFRactory CONCRETES*. The Scientific Bulletin of VALAHIA University – MATERIALS and MECHANICS, DOI 10.2478/bsmm-2019-0012, Volume 17, Issue 17 (Martie 2020), p.11 – 16.
3. Dan Nicolae UNGUREANU, Elena Valentina STOIAN, Florin TOMA, Daniel ANCULESCU, Alexandru Gabriel COLȚA, **Nicolae ANGELESCU**, Vasile BRATU – *PROPERTIES AND STRUCTURE OF LOW-CEMENT CONCRETE ACCORDING TO ITS COMPOSITIONAL PARAMETERS*. . The Scientific Bulletin of VALAHIA University – MATERIALS and MECHANICS, DOI 10.2478/bsmm-2019-0016, Volume 17, Issue 17 (Martie 2020), p. 33 – 36.
4. **Nicolae Angelescu**, Dan Ungureanu, Vasile Bratu, Florin Toma - *Special refractory concrete for steel ladle equalization layer*. The Scientific Bulletin of VALAHIA

University – MATERIALS and MECHANICS, DOI 10.2478/bsmm-2019-0002, Volume 17, Issue 16 (Jun 2019), p. 13 – 17.

5. Nicolae Angelescu, Dan Ungureanu, Florin Toma - *Special refractories resistant to the melt metals and slags attack*. The Scientific Bulletin of VALAHIA University – MATERIALS and MECHANICS, DOI 10.2478/bsmm-2019-0004, Volume 17, Issue 16 (Jun 2019), p. 28 - 31.
6. Angelescu, N., Ungureanu, D., Bratu, V. - *Concretes with organic admixtures*. The Scientific Bulletin of VALAHIA University – MATERIALS and MECHANICS, DOI 10.1515/bsmm-2018-0011, Volume 16, Issue 15 (Dec 2018), p. 7 – 10.
7. Ungureanu, D., Avram, D., Angelescu, N., Catangiu, A., Anghelina, V., Despa, V. - *Comparative study of bioceramic powders synthesis based on calcium and phosphates*. The Scientific Bulletin of VALAHIA University – MATERIALS and MECHANICS, DOI 10.1515/bsmm-2018-0002, Volume 16, Issue 14 (Apr 2018), p. 13 – 16.
8. Avram, D., Ungureanu, D., Angelescu, N., Barosso, J. A. - *A comparative study on the properties of potentially bioactive glasses obtained by sol-gel technique and by melting mixtures of oxides*. The Scientific Bulletin of VALAHIA University – MATERIALS and MECHANICS, DOI 10.1515/bsmm-2017-0013, Volume 15, Issue 13 (Oct 2017), p. 18 – 24.
9. Angelescu, N., Bratu, V., Stoian, E., V., Ungureanu, D., Gurban, A. M. - *Dental cements*. The Scientific Bulletin of VALAHIA University – MATERIALS and MECHANICS, DOI 10.1515/bsmm-2017-0013, Volume 15, Issue 13 (Oct 2017), p. 25 – 27.
10. Angelescu, N., Ion, I., Stanciu, D., Barosso, J. A., Stoian, E., V. - *Special concrete with polymers*. The Scientific Bulletin of VALAHIA University – MATERIALS and MECHANICS, nr. 11(14), pp. 7-10, 2016.
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