

Özgeçmiş

Necati Özkan

ÖĞRENİM DURUMU:

- 1991 - 1994 **Imperial College of Science, Technology, and Medicine**, Londra, İngiltere.
Doktora: Kimya Mühendisliği
- 1986 - 1988 **Stanford University**, Stanford, Kaliforniya, ABD
Yüksek Lisans: Malzeme Bilimi ve Mühendisliği
- 1985 - 1986 **American Language Academy**, Ashland, Oregon, ABD
İngilizce kursu
- 1980 - 1984 **İstanbul Teknik Üniversitesi**, İstanbul
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DENEYİM:

9/2009 - devam ediyor: Öğretim Üyesi (Profesör)

Fen Bilimleri Enstitüsü, *Orta Doğu Teknik Üniversitesi, Ankara, Türkiye*
Müdür Yardımcısı, *Merkezi Laboratuvar, Orta Doğu Teknik Üniversitesi, Ankara, Türkiye*

11/2004-9/2009: Öğretim Üyesi (Doçent)

Merkezi Laboratuvar, Orta Doğu Teknik Üniversitesi, Ankara, Türkiye

3/2004 – 11/2004: Öğretim Görevlisi

Merkezi Laboratuvar, Orta Doğu Teknik Üniversitesi, Ankara, Türkiye

2/2002 – 2/2004: Öğretim Üyesi (Doçent)

Kimya ve Malzeme Mühendisliği, Auckland Üniversitesi, Auckland, Yeni Zelanda

10/1997- 1/2002: Öğretim Üyesi (Yardımcı Doçent)

Kimya ve Malzeme Mühendisliği, Auckland Üniversitesi, Auckland, Yeni Zelanda

1/1995 - 10/1997: Dr. Araştırma Görevlisi

Kimya Mühendisliği, Imperial Kolej, Londra, İngiltere

11/1991 -10/1994: Araştırma Görevlisi

Kimya Mühendisliği, Imperial Kolej, Londra, İngiltere

12/1989 -11/1991: Araştırma Görevlisi

Interdisciplinary Research Centre in Superconductivity, Cavendish Laboratuvarı, Cambridge Üniversitesi, Cambridge, İngiltere.

8/1988 -11/1989: Araştırma Personeli

Developmental Technologies B.V., Heerlen, Hollanda

VERDİĞİ LİSANS VE LİSANSÜSTÜ DÜZEYDEKİ DERSLER:

- (i) CHEMMAT 421, Materials Processing (1998, 1999, 2000, 2001, 2002); Auckland Üniversitesi
- (ii) 53.423, Elements of Materials Science (1997), Auckland Üniversitesi
- (iii) CHEMMAT 121, Materials Science (1998, 1999), Auckland Üniversitesi
- (iv) PHYS 453.131, Properties of Matter (1998, 1999), Auckland Üniversitesi
- (v) CHEMMAT 422, Non-Metallic Materials (Polymers and Ceramics) (1998, 1999, 2000, 2001, 2002, 2003), Auckland Üniversitesi
- (vi) CHEMMAT 721, Advanced Materials (Lisansüstü) (1999), Auckland Üniversitesi
- (vii) CHEMMAT 423, Materials Engineering (1998, 2001), Auckland Üniversitesi
- (viii) CHEMMAT 316, Particulate Technology (1999, 2000, 2001, 2002), Auckland Üniversitesi
- (ix) PST702, Characterization of Polymeric Materials (Lisansüstü) (2008, 2009), Orta Doğu Teknik Üniversitesi

YÖNETTİĞİ LİSANSÜSTÜ TEZLER:

- (i) Su Yun (Master), *'Rheology of Butter'*, Auckland Üniversitesi, 2000.
- (ii) Chi, Z., (Master), *"Rheology of milk solutions"*, Auckland Üniversitesi, 2002.
- (iii) Xin, H., (Doktora), *"Cleaning mechanism and kinetics of dairy fouling"*, Auckland Üniversitesi, 2003.
- (iv) Walisinghe, N., (Master), *"Dry coating of milk powders using vibro-fluidised bed"*, Auckland Üniversitesi, 2003.
- (v) Nguang, W.H., (Master), *"Ceramic risers for low-pressure aluminium castings"*, Auckland Üniversitesi, 2003.
- (vi) Erinç Bahçegül (Master), *Tarımsal biyokütleden biyolojik olarak çözünebilen polimer film yapımı*, Orta Doğu Teknik Üniversitesi (Prof. Dr. Ufuk Bakır ile birlikte) 2009

YÖNETMEKTE OLDUĞU LİSANSÜSTÜ TEZLER:

- (i) Erinç Bahçegül (PhD), *Tarımsal biyokütleden biyolojik olarak çözünebilen polimer film yapımı*, Orta Doğu Teknik Üniversitesi (Prof. Dr. Ufuk Bakır ile birlikte)

AKADEMİK ÖDÜLLER:

- 2007: En iyi poster ödülü. 'PMAA (Polimetakrilik asit) Kaplı Fe₃O₄ Manyetik Nanoparçacıklarının Aglomerasyonu Üzerine Hazırlanma Koşullarının Etkisi' (Bilsen Tural ve Mürvet Volkan ile birlikte). 21. Ulusal Kimya Kongresi, İnönü Üniversitesi, 23-27 Ağustos 2007, Malatya.
- 2002 'Top Twenty' Teacher Award (En iyi 20 eğitimci) Mühendislik Fakültesi, Auckland Üniversitesi.
- 2000 'Top Twenty' Teacher Award (En iyi 20 eğitimci) Mühendislik Fakültesi, Auckland Üniversitesi.
- 1991-94 'Imperial College' Doktora Bursu, Imperial College, İngiltere
- 1985-87 Yurt dışı Lisansüstü Eğitim Bursu, Milli Eğitim Bakanlığı
- 1984 Bölüm birincisi, Metalurji Mühendisliği Bölümü, İstanbul Teknik Üniversitesi

ARAŞTIRMA PROJELERİNDE YAPTIĞI GÖREVLER:

- (i) *Production of glass ceramics from fly-ash*, Developmental Technologies BV, Hollanda, **Araştırmacı**, 1988
- (ii) *Preparation of high- T_c ceramic superconducting wires and tapes*, IRC in Superconductivity, Cambridge Üniversitesi, **Araştırmacı**, 1989-1991
- (iii) *Near net shape forming of ceramics*, British Nuclear Fuels Project, Imperial College, **Araştırma Görevlisi**, 1991-1994
- (iv) *Preparation of solid oxide fuel cell electrodes*, EPSRC Project, Imperial College, **Proje Yöneticisi**, 1995-1997
- (v) *Alevlenme direnci yüksek polimer bazlı nanokompozit malzemelerin üretimi* (TÜBİTAK), **Araştırmacı**, 2007-Devam ediyor.

İDARİ GÖREVLER :

- (i) Fabrika ziyaretleri kordinatörü (Plant visit co-ordinator), Kimya ve Malzeme Mühendisliği, Mühendislik Fakültesi, Auckland Üniversitesi, Yeni Zellanda.
- (ii) Ders programı kordinatörü (Timetable co-ordinator), Kimya ve Malzeme Mühendisliği, Mühendislik Fakültesi, Auckland Üniversitesi, Yeni Zellanda.
- (iii) Araştırma Komitesi üyesi (Member of Research Committee), Mühendislik Fakültesi, Auckland Üniversitesi, Yeni Zellanda.
- (iv) Sürekli Eğitim Komitesi üyesi (Member of Continuing Education Committee), Mühendislik Fakültesi, Auckland Üniversitesi, Yeni Zellanda.

DİĞER GÖREVLER:

2000-2003 'Engineering Materials Group' Kurul Üyesi ve Sekreteri, Yeni Zellanda

Dergi hakemliği: Journal of Food Science, International Dairy Journal, International Journal of Food Engineering, Journal of Materials Science

Uluslararası Bilimsel Toplantılarda Bilim Kurulu Üyeliği: International Congress of Engineering and Food, 20-24 Nisan 2008, Şili. 2007.

Uluslararası Dergilerin Yayın Kurulu Üyeliği (Editorial Board): International Journal of Food Engineering

ESERLER LİSTESİ

A. Uluslararası hakemli dergilerde yayınlanan makaleler :

SCI-Expanded kapsamındaki dergilerde yayımlanmış makaler

- A1** P. A. FREEMAN, P.D. HONEYBALL, N. ÖZKAN, and B. A. GLOWACKI, "Formation of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Thick Films by a Diffusion Process Between Y_2BaCuO_5 and $(\text{BaCuO}_2, \text{CuO})$." *Superconductor Science and Technology*, vol. 4 (1991) S358-S360.
- A2** N. ÖZKAN, B. A. GLOWACKI, E. A. ROBINSON, and P. A. FREEMAN, "Infra-red Zone Melting Process for $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Wires.", *J. Mater.Res.*, vol. 6, No. 9 (1991) 1829-1837.
- A3** N. ÖZKAN and B. A. GLOWACKI, "Development of Pb-rich $(\text{Bi,Pb})_3\text{Sr}_2\text{Ca}_2\text{Cu}_1\text{O}_x$ Phase During Reformation of Lead Doped 2223 Superconducting Phase from Melt Quenched Glass", *Physica C*, vol. 194 (1992) 157-162.
- A4** N. ÖZKAN and B. J. BRISCOE, "Prediction of Overall Shape of Sintered Alumina Compacts", *J. Euro. Cer. Soc.*, vol. 14 (1994) 143-151.
- A5** I. AYDIN, B. J. BRISCOE, and N. ÖZKAN, "3D Profiles and Surface Topography of Alumina Compacts". *International Journal of Machine Tools and Manufacture*, vol. 35[2] (1995) 345-352.
- A6** N. ÖZKAN and B. J. BRISCOE, "The Surface Topography of Compacted Agglomerates: A means to Optimise Compaction Conditions", *Powder Technology*, vol. 86, no. 2 (1996) 201-207.
- A7** N. ÖZKAN and B. J. BRISCOE, "Characterisation of Die Pressed Green Compacts", *J. Euro. Cer. Soc.*, 17 (1997) 697-711.
- A8** B. J. BRISCOE and N. ÖZKAN, "Compaction Behaviour of Agglomerated Alumina Compacts", *Powder Technology*, 90[3] (1997) 195-204.
- A9** B. J. BRISCOE and N. ÖZKAN, "Characterisation of Ceramic Pastes by an Indentation Hardness Test", *J. Euro. Cer. Soc.*, 17 (1997) 1675-1683.
- A10** N. ÖZKAN and B. J. BRISCOE, "Overall Shape of Sintered Alumina Compacts", *Ceramics International*, 23 (1997) 521-536.
- A11** I. AYDIN, B. J. BRISCOE, and N. ÖZKAN. "Modelling of Powder Compaction: A Review", *Materials Research Bulletin*, 22[12] (1997) 45-51.
- A12** N. ÖZKAN and B. J. BRISCOE, "Preparation of Ceria-Gadolinia Electrolytes by Tape Rolling Technique", *Journal of Materials Research*, 13[3] (1998) 665-674. (A)
- A13** B. J. BRISCOE, G. LO BIUNDO, and N. ÖZKAN "Drying Kinetics of Water-based Ceramic Suspensions for Tape Casting", *Ceramics International*, 24[5] (1998) 347-357.
- A14** N. ÖZKAN, C. OYSU, B. J. BRISCOE, and I. AYDIN, "Rheological analysis of ceramic pastes", *J. Euro. Ceram. Soc.* 19 (1999) 2883-2893.
- A15** N. ÖZKAN, H. XIN, and X. D. CHEN, "Application of a Depth Sensing Indentation Hardness Test to Evaluate the Mechanical Properties of Food Materials", *Journal of Food Science*, 67[5], (2002) 1814-1820.
- A16** H. XIN, X. D. CHEN, and N. ÖZKAN, "Whey protein based gel as a model material for studying the cleaning mechanisms of milk fouling", *Journal of Food Science*, 67[7], (2002) 2702-2711.
- A17** N. ÖZKAN, N. WALISHINGE, and X. D. CHEN, "Characterization of stickiness and cake formation in whole and skim milk powders", *Journal of Food Engineering*, 55[4] (2002) 293-303.
- A18** H. XIN, X. D. CHEN, and N. ÖZKAN, "Cleaning rate in the uniform cleaning stage for whey protein gel deposits", *Trans. IChemE. Vol. 80 Part C: Food and Bioproducts Processing*, (2002), 240-246.
- A19** N. ÖZKAN, B. WITHY, and X. D. CHEN, "Effects of time, temperature, and pressure on the cake formation of milk powders", *Journal of Food Engineering*, 58 (2003), 355-361.

- A20** X. D. CHEN, D. X. Y. LI, S. X. Q. LIN, and **N. ÖZKAN**, “On-line fouling/cleaning detection by measuring electric resistance”, *Journal of Food Engineering*, 61[2] 2004, 181-189.
- A21** **N. ÖZKAN**, I. HO, AND M. FARID, “Combined ohmic and plate heating of hamburger patties: quality of cooked patties”, *Journal of Food Engineering*, 63[2] JUN 2004, 141-145.
- A22** H. XIN, X. D. CHEN, and **N. ÖZKAN**, “Removal of a model protein foulant from metal surfaces”, *AIChE Journal*, 50 [8] (2004) 1961-1973.
- A23** X. D. CHEN and **N. ÖZKAN**, “Stickiness, Functionality and Microstructure of Food Powders”, *Drying Technology* 25[6] (2007) 969-979.
- A24** Z.-S. ZHANG, D. LI, L.-J. WANG, **N. ÖZKAN**, X. D. CHEN, Z.-H. MAO, H.-Z. YANG, “Optimization of Ethanol-Water Extraction of Lignans from Flaxseed”, *Separation and Purification Technology* 57(1) (2007) 17-24.
- A25** L. CHE, D. LI, L.-J. WANG, **N. ÖZKAN**, X. D. CHEN, and Z.-H. MAO, ‘Effect of high pressure homogenization on the structure of cassava starch’, *International Journal of Food Properties*, 10 (2007) 969-980.
- A26** B. TURAL, M. KAYA, **N. ÖZKAN**, and M. VOLKAN, “Preparation and Characterization of Ni-NTA Bearing PMAA Coated Superparamagnetic Magnetite Nanoparticles”, *Journal of Nanoscience and Technology*, 8 (2008) 695–701.
- A27** M. ŞAHMARAN, **N. ÖZKAN**, S.B. KESKIN, B. UZAL, İ.Ö. YAMAN, T.K. ERDEM, Evaluation of Natural Zeolite as a Viscosity-Modifying Agent for Cement-Based Grouts, *Cement and Concrete Research*, 38 (2008) 930-937.
- A28** WANG Y., WANG L.-J., LI D., **ÖZKAN N.**, CHEN X.D., MAO Z.-H., Effect of flaxseed gum addition on rheological properties of native maize starch, *Journal of Food Engineering*, 89 (2008) 87-92.
- A29** HAO C.-C., WANG L.-J., LI D., **ÖZKAN N.**, WANG D.-C., CHEN X.D., MAO Z.-H., Influence of alfalfa powder concentration and granularity on rheological properties of alfalfa-wheat dough, *Journal of Food Engineering*, 89 (2008) 137-141.
- A30** LI-MING CHE, DONG LI, LI-JUN WANG, **NECATİ ÖZKAN**, XIAO DONG CHEN AND ZHI-HUAI MAO, Rheological properties of dilute aqueous solutions of cassava starch, *Carbohydrate Polymers* 74 (2008) 385-389.
- A31** LI-MING CHE, LI-JUN WANG, DONG LI, BHESH BHANDARI, **NECATİ ÖZKAN**, XIAO DONG CHEN, ZHI-HUAI MAO, Starch pastes thinning during high-pressure homogenization, *Carbohydrate Polymers* 75 (2009) 32-38.
- A32** WANG B., WANG L.-J., LI D., **ÖZKAN N.**, LI S.-J., MAO Z.-H., Rheological properties of waxy maize starch and xanthan gum mixtures in the presence of sucrose, *Carbohydrate Polymers* 77(3) (2009) 472-481.
- A33** TURAL B., **ÖZKAN N.**, VOLKAN M., Preparation and characterization of polymer coated superparamagnetic magnetite nanoparticle agglomerates, *Journal Physics and Chemistry of Solids* (2009) 860-866.
- A34** QIAN LI, DONG LI, LI-JUN WANG, **NECATİ ÖZKAN**, ZHI-HUAI MAO, Morphological properties and thermoanalysis of micronized cassava starch, *Carbohydrate Polymers* 79 (2010) 101-105.
- A35** QIAN LI, DONG LI, LI-JUN WANG, **NECATİ ÖZKAN**, ZHI-HUAI MAO, Dynamic Viscoelastic Properties of Sweet Potato Studied by Dynamic Mechanical Analyzer, *Carbohydrate Polymers* (2010)
- A36** BAO WANG, DONG LI, LI-JUN WANG, **NECATİ ÖZKAN**, Effect of concentrated flaxseed protein on the stability and rheological properties of soybean oil-in-water emulsions, *Journal of Food Engineering* (2010) 555-561.
- A37** BAO WANG, DONG LI, LI-JUN WANG, **NECATİ ÖZKAN**, Anti-thixotropic properties of waxy maize starch dispersions with different pasting conditions, *Carbohydrate Polymers* (2010)

SCI-Expanded kapsamı dışındaki dergilerde yayınlanmış makaler

- A38** B. A. GLOWACKI, **N. ÖZKAN**, and P. A. FREEMAN, “Influenza Dell’orientamento Dell Particelle In Un Superconduttore Ad Alta Tc Ottenuto Mediante Estrusione A Semi-Secco Sulla Anisotropia Della Corrente Critica” (in Italian), *Ceramurgia*, Vol. 21[3/4] (1991) 128-132.

- A39** N. ÖZKAN, H. XIN, X. D. CHEN, "Indentation Test Examination". Food Technology NZ, FEB 2002, p.23-26.
- A40** Y-G ZHOU, D. LI, L-J WANG, N. ÖZKAN, X.D. CHEN, Z-H MAO, "Influences of Microemulsion Cross-linking Reaction and Ball-Milling on Particle Size Characteristics of Potato and Maize Starches", *International Journal of Food Engineering*: Vol. 2: No. 4, (2006) Article 6.
Available at: <http://www.bepress.com/ijfe/vol2/iss4/art6>
- A41** K-C CHEN, D. LI, L-J WANG, N. ÖZKAN, X. D. CHEN, and Z-H MAO "Dynamic Viscoelastic Properties of Rice Kernels Studied by Dynamic Mechanical Analyzer," *International Journal of Food Engineering* (2007) Vol. 3: Iss. 2, Article 1.
Available at: <http://www.bepress.com/ijfe/vol3/iss2/art1>
- A42** SU-QIANG CHANG, DONG LI, YUBIN LAN, NECATI OZKAN, JOHN SHI, XIAO DONG CHEN, AND ZHI-HUAI MAO, 'Study on Creep Properties of Japonica Cooked Rice and Its Relationship with Rice Chemical Compositions and Sensory Evaluation', *International Journal of Food Engineering*, Volume 5, Issue 3 (2009) Article 10.

B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceedings) basılan bildiriler

- B1** B. A. GLOWACKI, N. ÖZKAN, and P. A. FREEMAN, "Influence of the High T_c Superconducting Particles Orientation During Semi-Wet Extrusion on the Critical Current Anisotropy." *High Temperature Superconductors*, edited by P. Vincenzini, *Proceedings of the 7th CIMTEC World Ceramics Congress*, Trieste, Italy, 2-5 July 1990, pp. 663-671.
- B2** A. P. BAKER, N. ÖZKAN, and B. A. GLOWACKI, "Investigation of the Structural Development of $\text{Bi}_2\text{Sr}_2\text{Cu}_1\text{O}_x$ and $\text{Bi}_2\text{Sr}_2\text{Ca}_1\text{Cu}_2\text{O}_x$ Superconductors From a Melt Quench" *Proceedings of ICMAS-91*, Paris, France, 7-8 October 1991, pp. 89-94.
- B3** N. ÖZKAN and B. J. BRISCOE, "Effect of Green Density and Consolidation Techniques on Sintering and Microstructure of Alumina Compacts", *Proceedings of PTM 93*, Dresden, Germany, 3/1993, pp. 583-588.
- B4** N. ÖZKAN, B. J. BRISCOE, and I. AYDIN, "Effects of Compaction Pressure and Aspect Ratio on The Overall Shape of the Sintered Alumina Compacts". *AIChE Annual Meeting*, St. Louis, Missouri, USA, 10/1993.
- B5** N. ÖZKAN, İ. AYDIN and B. J. BRISCOE, "Density Distributions in Die Pressed Alumina Compacts". *The 1994 IChemE Research Event*, vol. 2, 1994, pp. 695-697.
- B6** I. AYDIN., B. J. BRISCOE and N. ÖZKAN, "The Powder Behaviour during Die Compaction of Alumina," *Ceramics: Charting The Future*, Ed.: P. Vincenzini, Florence, Part C, 1659-1666, Techna Srl., Italy, 1995
- B7** N. ÖZKAN, I. AYDIN, and B. J. BRISCOE, "Effects of Agglomerate Properties on Ejection Profiles and Overall Shape of Alumina Compacts," *Ceramics: Charting The Future*, Ed.: P. Vincenzini, Florence, Part C, 1667-1674, Techna Srl., Italy, 1995.
- B8** B. J. BRISCOE and N. ÖZKAN, "Sintering and Microstructural Development of Alumina Compacts", *8th CIMTEC World Ceramic Congress, Section B*, Florence, Italy, 6/1994, pp. 1793-1800.
- B9** N. ÖZKAN, I. AYDIN, and B. J. BRISCOE, "A Compaction Study of Alumina Powders". *Proceedings of 1st International Particle Technology Forum, AIChE*, Denver, Colorado, USA, 8/1994.
- B10** I. AYDIN, B. J. BRISCOE and N. ÖZKAN, "Evolution of Shape of Die Pressed Compacts during Compaction and Sintering," *Fourth Euro-Ceramics*, Ed.: C. Glassi, Ricione, Vol. 1, 515-522, GEFE Spa., ISBN 88-8138-005-6, Italy, 1995.
- B11** I. AYDIN, B. J. BRISCOE and N. ÖZKAN, "Application of Constitutive Models on Ceramic Powder Compaction via Finite Element Method," *Int. SAMPE/MRS Technical Conference*, Ed.: R. Martinez, Albuquerque, Vol. 27, 590-596, SAMPE, ISBN 0-938994-73-5, USA, 1995.
- B12** B. J. BRISCOE, N. ÖZKAN, İ. AYDIN and C. SMALLING, "Ejection and Green Strength of Die Processed Compacts," *Int. SAMPE/MRS Technical Conference*, Ed.: R. Martinez, Albuquerque, Vol. 27, 901-913, SAMPE, ISBN 0-938994-73-5, USA, 1995.

- B13** B. J. BRISCOE, A. U. KHAN, P. F. LUCKHAM, N. ÖZKAN, and S. K. SINHA, "Engineering of Particle Interactions in Wet Processing of Alumina Ceramics", *Proceedings of 4th European Ceramic Society*, vol.2, Rimini, Italy, 2-6 October 1995, pp.93-100.
- B14** I. AYDIN, B. J. BRISCOE, N. ÖZKAN, and S. SINHA, "Flow Behaviour of Alumina Pastes", *2nd International Particle Technology Forum, 5th World Congress in Chemical Engineering*, 14-18 July 1996, San Diego, USA.
- B15** B. J. BRISCOE, A. U. KHAN, P. F. LUCKHAM, and N. ÖZKAN, "Effect of Organic Additives on Rheology of Alumina Suspensions", *2nd International Particle Technology Forum, 5th World Congress in Chemical Engineering*, 14-18 July 1996, San Diego, USA.
- B16** B. J. BRISCOE, A. U. KHAN, P. F. LUCKHAM, and N. ÖZKAN, "Rheology of Alumina in Organic and Aqueous Media and its Effect on Final Formed Ceramic Bodies", *XII International Congress on Rheology*, Quebec, Canada, 18-23 August 1996.
- B17** B. J. BRISCOE, G. LO BIUNDO, and N. ÖZKAN, "Drying of Aqueous Ceramic Suspensions", *Proceedings of 5th European Ceramic Society Conference*, June 22-26 1997, Versailles, France, p.354.
- B18** N. ÖZKAN and B. J. BRISCOE, "Shape Prediction Procedure for Die Pressed Ceramic Compacts", *Proceedings of 5th European Ceramic Society Conference*, June 22-26 1997, Versailles, France, p.670. (*Invited Speaker*)
- B19** B. J. BRISCOE, T. SAVVAS, and N. ÖZKAN, "Modelling of Binder Burnout Process for Ceramic Compacts", *Proceedings of 5th European Ceramic Society Conference*, June 22-26 1997, Versailles, France, p.678.
- B20** B. J. BRISCOE, A. U. KHAN, P. F. LUCKHAM, and N. ÖZKAN, "Optimisation of Ceramic Suspensions", *Proceedings of 5th European Ceramic Society Conference*, June 22-26 1997, Versailles, France, p.281.
- B21** N. ÖZKAN, B. J. BRISCOE, and I. AYDIN, "Characterisation of ceramic agglomerates by surface topography", *Materials Technology and Performance*, University of Auckland, New Zealand, July 1997.
- B22** B. J. BRISCOE, I. AYDIN, and N. ÖZKAN, "The characterisation of die friction as a means to reduce component machining and attain near net shape form", *Tribology for Energy Conservation 34: 365-369*, 1998 (*24th Leeds-Lyon Symposium on Tribology*, London, UK., September 4-6, 1997).
- B23** N. ÖZKAN, "A modified die pressing method for manufacturing near net shape ceramic compacts". *Proceedings of Advanced Materials Development and Performance, Tokushima, Japan, 23-26 November 1999*, 557-562.
- B24** H. XIN, X. D. CHEN, and N. ÖZKAN, "Cleaning Rate In the Uniform Cleaning Stage For Whey Protein Gel Deposits", *Proceeding of Fouling, Cleaning, and Disinfection in Food Processing*, 3-5 April 2002, Cambridge, UK.
- B25** X. D. CHEN, D. X. Y. LI, S. X. Q. LIN, and N. ÖZKAN, "On-Line Fouling/Cleaning Detection by Measuring Electric Resistance", *Proceeding of Fouling, Cleaning, and Disinfection in Food Processing*, 3-5 April 2002, Cambridge, UK.
- B26** H. XIN, X. D. CHEN, and N. ÖZKAN, "A Mathematical Model of the Removal of Milk Protein Deposit", *2003 ECI Conference on Heat Exchanger Fouling and Cleaning: Fundamentals and Applications, Santa Fe, New Mexico, USA, Editors: P. Watkinson, H. Müller-Steinhagen, and M. Z. Malayeri*, Paper 22, pp.158-166, Produced by The Berkeley Electronic Press 2004.
- B27** X. D. CHEN, N. ÖZKAN, F. QIN, H. XIN, and L. LIN "An Effective CIP Procedure for Removing Dairy Protein Based Deposit – A Laboratory Investigation", *2003 ECI Conference on Heat Exchanger Fouling and Cleaning: Fundamentals and Applications, Santa Fe, New Mexico, USA, Editors: P. Watkinson, H. Müller-Steinhagen, and M. Z. Malayeri*, Paper 44, pp.323-327, Produced by The Berkeley Electronic Press 2004.

Diğer Uluslararası bilimsel toplantılarda sunulan bildiriler

- B28** N. ÖZKAN, H. XIN, and X. D. CHEN, "Characterisation of food products by an indentation hardness test", *Proceedings of the 2001 Joint Conference of SCENZ, FEANZ, and EMG*, 9-10 April 2001, Auckland, pp.18-21.
- B29** B. TURAL, N. ÖZKAN, A. KOCABAŞ, U. BAKIR, and M. VOLKAN, 'Immobilization of invertase (EC 3.2.1.26) enzyme using surface modified superparamagnetic γ -Fe₂O₃ silica nanoparticles', *International*

Workshop on Nanobiotechnology and genome technologies (Nanomat 2007) October 31 – November 3, 2007, Antalya, Turkey.

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C. Ulusal bilimsel toplantılarda sunulan bildiriler

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