

Bariş ÇALLI

Publications in SCI Journals

1. Tilahun, E., Sahinkaya, E., **Çalli, B.** (2018) Effect of operating conditions on separation of H₂S from biogas using a chemical assisted PDMS membrane process. *Waste and Biomass Valorization* (In press)
2. Molaey, R., Bayrakdar, A., **Çalli, B.** (2018). Long-term influence of trace element deficiency on anaerobic mono-digestion of chicken manure. *Journal of Environmental Management*, 223, 743-748
3. Sürmeli, R. Ö., Bayrakdar, A., **Çalli, B.** (2018). Ammonia recovery from chicken manure digestate using polydimethylsiloxane membrane contactor. *Journal of Cleaner Production*, 191, 99-104
4. Sürmeli, R.Ö., Bayrakdar, A., Molaey, R., **Çalli, B.**, 2018. Synergistic effect of sulfide and ammonia on anaerobic digestion of chicken manure. *Waste and Biomass Valorization* (In press)
5. Bayrakdar, A., Sürmeli, R. Ö., **Çalli, B.** (2018). Anaerobic digestion of chicken manure by a leach-bed process coupled with side-stream membrane ammonia separation. *Bioresource technology*, 258, 41-47.
6. Molaey, R., Bayrakdar, A., Sürmeli, R. O., **Çalli, B.** (2018). Influence of trace element supplementation on anaerobic digestion of chicken manure: Linking process stability to methanogenic population dynamics. *Journal of Cleaner Production*, 181, 794-800.
7. Tilahun, E., Sahinkaya, E., **Çalli, B.** (2018). A hybrid membrane gas absorption and bio-oxidation process for the removal of hydrogen sulfide from biogas. *International Biodeterioration & Biodegradation*, 127, 69-76.
8. Molaey, R., Bayrakdar, A., Sürmeli, R. Ö., **Çalli, B.** (2018). Anaerobic digestion of chicken manure: Mitigating process inhibition at high ammonia concentrations by selenium supplementation. *Biomass and Bioenergy*, 108, 439-446.
9. Ogan, A., Fetahovic, M., Caglayan, P., Birbir, M., **Çalli, B.**, Bayrakdar, A., & Danis, O. (2017, September). Polyhydroxyalkanoate production from moderately halophilic *Bacillus* strains. In *FEBS JOURNAL* (Vol. 284, pp. 106-106). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY.
10. Bayrakdar, A., Sürmeli, R.Ö., **Çalli, B.**, 2017. Dry anaerobic digestion of chicken manure coupled with membrane separation of ammonia. *Bioresource Technology* 244, 816–823.
11. Sürmeli, R.Ö., Bayrakdar, A., **Çalli, B.** (2017) Removal and recovery of ammonia from chicken manure. *Water Science and Technology* 75(12), 2811-2817.
12. Bayrakdar A., Molaey R., Sürmeli R.Ö., Şahinkaya E., **Çalli B.** (2017) Biogas production from chicken manure: Co-digestion with spent poppy straw. *International Biodeterioration Biodegradation* 119, 205-210.
13. Tilahun E., Bayrakdar A., Şahinkaya E., **Çalli B.** (2017) Performance of polydimethylsiloxane membrane contactor process for selective hydrogen sulfide removal from biogas. *Waste Management* 61, 250-257.
14. Bayrakdar, A., Tilahun, E., **Çalli, B.** (2016) Biogas desulfurization using autotrophic denitrification process. *Applied Microbiology and Biotechnology* 100(2), 939-948.
15. Yesil H., Tugtas A.E., Bayrakdar A., **Çalli B.** (2014) Anaerobic fermentation of organic solid wastes: volatile fatty acid production and separation. *Water Science and Technology* 69(10),

16. Yazici B., Can Z.S., **Calli B.** (2014) Prediction of future disposal of end-of-life refrigerators containing CFC-11. *Waste Management*, 34(1), 162-166.
17. Tugtas A.E., Cavdar P., **Calli B.** (2013) Bio-electrochemical post-treatment of anaerobically treated landfill leachate. *Bioresource Technology*, 128, 266-272.
18. Tugtas A.E., Cavdar P., **Calli B.** (2011) Continuous flow membrane-less air cathode microbial fuel cell with spunbonded olefin diffusion layer. *Bioresource Technology*, 102, 10425-10430.
19. Cavdar P., Yilmaz E., Tugtas A.E. and **Calli B.** (2011) Acidogenic fermentation of municipal solid waste and its application to bio-electricity production via microbial fuel cells (MFCs). *Water Science and Technology*, 64(4), 789-795.
20. **Calli, B.**, Chung, L.C., Arslan, D. and Vanbroekhoven, K. (2009) H₂ production potential in thermophilic mixed fermentation. *Journal of Environmental Science and Health Part A* 44, 78-86.
21. Mertoglu, B., Semerci, N., Guler, N., **Calli, B.**, Cecen, F. and Saatci, A.M. (2008) Monitoring of population shifts in an enriched nitrifying system under gradually increased cadmium loading. *Journal of Hazardous Materials* 160(2-3), 495-501.
22. **Calli, B.**, Zhao, J., Nijssen, E. and Vanbroekhoven, K. (2008) Significance of acetogenic H₂ consumption in dark fermentation and effectiveness of pH. *Water Science and Technology* 57(6), 809-814.
23. **Calli, B.**, Schoenmaekers, K., Vanbroekhoven, K. and Diels, L. (2008) Dark fermentative H₂ production from xylose and lactose - Effects of on-line pH control. *International Journal of Hydrogen Energy* 33(2), 522-530.
24. Mertoglu, B., **Calli, B.**, Guler, N., Inanc, B. and Inoue, Y. (2007) Effects of insufficient air injection on methanogenic Archaea in landfill bioreactor. *Journal of Hazardous Materials* 142(1-2), 258-265.
25. Birbir, M., **Calli, B.**, Mertoglu, B., Bardavid, R.E., Oren, A., Ogmen, M.N. and Ogan, A. (2007) Extremely halophilic Archaea from Tuz Lake, Turkey, and the adjacent Kaldirim and Kayacik salterns. *World Journal of Microbiology & Biotechnology* 23(3), 309-316.
26. Mertoglu, B., **Calli, B.**, Inanc, B. and Ozturk, I. (2006) Evaluation of in situ ammonia removal in an aerated landfill bioreactor. *Process Biochemistry* 41(12), 2359-2366.
27. **Calli, B.**, Mertoglu, B., Roest, K. and Inanc, B. (2006) Comparison of long-term performances and final microbial compositions of anaerobic reactors treating landfill leachate. *Bioresource Technology* 97(4), 641-647.
28. **Calli, B.**, Durmaz, S. and Mertoglu, B. (2006) Identification of prevalent microbial communities in a municipal solid waste landfill. *Water Science and Technology* 53(8), 139-147.
29. Mertoglu, B., **Calli, B.**, Girgin, E., Inanc, B. and Ozturk, I. (2005) Comparative analysis of nitrifying bacteria in full-scale oxidation ditch and aerated nitrification biofilter by using fluorescent in situ hybridization (FISH) and denaturing gradient gel electrophoresis (DGGE). *Journal of Environmental Science and Health Part A* 40(5), 937-948.
30. **Calli, B.**, Mertoglu, B., Inanc, B. and Yenigun, O. (2005) Methanogenic diversity in anaerobic bioreactors under extremely high ammonia levels. *Enzyme and Microbial Technology* 37(4), 448-455.
31. **Calli, B.**, Mertoglu, B., Inanc, B. and Yenigun, O. (2005) Effects of high free ammonia concentrations on the performances of anaerobic bioreactors. *Process Biochemistry* 40(3-4), 1285-1292.
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33. **Calli, B.**, Mertoglu, B. and Inanc, B. (2005) Landfill leachate management in Istanbul: applications and alternatives. *Chemosphere* 59(6), 819-829.
34. **Calli, B.** and Girgin, E. (2005) Microbial analysis of leachate using fluorescent in situ hybridization (fish) technique to evaluate the landfill stability. *Fresenius Environmental Bulletin* 14(8), 737-745.
35. Eldem, N.O., Ozturk, I., Soyer, E., **Calli, B.** and Akgiray, O. (2004) Ammonia and pH inhibition in anaerobic treatment of wastewaters, part I: Experimental. *Journal of Environmental Science and Health Part A* 39(9), 2405-2420.
36. Eldem, N.O., Akgiray, O., Ozturk, I., Soyer, E. and **Calli, B.** (2004) Ammonia and pH inhibition in anaerobic treatment of wastewaters, part II: Model development. *Journal of Environmental Science and Health Part A* 39(9), 2421-2435.
37. Birbir, M., Ogan, A., **Calli, B.** and Mertoglu, B. (2004) Enzyme characteristics of extremely halophilic archaeal community in Tuzkoy Salt Mine, Turkey. *World Journal of Microbiology & Biotechnology* 20(6), 613-621.
38. Yukselen, M.A., **Calli, B.**, Gokyay, O. and Saatci, A. (2003) Inactivation of coliform bacteria in Black Sea waters due to solar radiation. *Environment International* 29(1), 45-50.
39. **Calli, B.**, Tas, N., Mertoglu, B., Inanc, B. and Ozturk, I. (2003) Molecular analysis of microbial communities in nitrification and denitrification reactors treating high ammonia leachate. *Journal of Environmental Science and Health Part A* 38(10), 1997-2007.
40. **Calli, B.**, Mertoglu, B., Tas, N., Inanc, B., Yenigun, B., Yenigun, O. and Ozturk, I. (2003) Investigation of variations in microbial diversity in anaerobic reactors treating landfill leachate. *Water Science and Technology* 48(4), 105-112.
41. Inanc, B., **Calli, B.**, Alp, K., Ciner, F., Mertoglu, B. and Ozturk, I. (2002) Toxicity assessment on combined biological treatment of pharmaceutical industry effluents. *Water Science and Technology* 45(12), 135-142.
42. **Calli, B.** and Yukselen, M.A. (2002) Anaerobic treatment by a hybrid reactor. *Environmental Engineering Science* 19(3), 143-150.
43. Inanc, B., **Calli, B.** and Saatci, A. (2000) Characterization and anaerobic treatment of the sanitary landfill leachate in Istanbul. *Water Science and Technology* 41(3), 223-230.

Presentations in International Conference

1. Yukselen M.A., **Calli B.**, Karpuzcu M. (1998). "Land based sea-pollution in an old mining region of northern Cyprus" Second Black Sea International Conference, Environmental Protection Technologies for Coastal Protection, 21-23 October, Bulgaria
2. Inanc B., **Calli B.**, Saatci A. (1999). "Characterization and anaerobic treatment of the sanitary landfill leachate in Istanbul" Second International Symposium on Anaerobic Digestion of Solid Waste, 15-17 June, Barcelona, Spain
3. Inanc B., **Calli B.**, Mertoglu B. (2000). "Performances of anaerobic filter, UASB and hybrid reactors treating high ammonia landfill leachate" Fourth International Symposium on Environmental Biotechnology, 10-12 April, Noordwijkerhout, The Netherlands
4. Yukselen M. A., Alpaslan B., **Calli B.**, Gokyay O. (2000). "The effect of land-based sea pollution in an old mining region: a case study from northern Cyprus" IWA World Water Congress, 3-7 July, Paris, France.

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6. **Calli B.**, Inanc B., Mertoglu B., Zorer E., Ciner F., Aydin A. F. (2001). "Advanced treatment alternatives for Istanbul Komurcuoda Sanitary Landfill leachate" Third Black Sea International Conference, Environmental Protection Technologies for Coastal Protection, 6-8 June, Varna, Bulgaria
7. Inanc B., Kinaci C. **Calli B.**, Mertoglu B., Arikan O., Altınbas M., Ozturk I. (2001). "Post-dredging water and sediment quality in the Golden Horn of İstanbul" Fourth Middle East Regional Conference on the Role of Environmental Awareness in Waste Management, 22-24 October, Kuwait City, Kuwait
8. Inanc B., **Calli B.**, Mertoglu B., Roest K., Akkermans A.D.L. (2001). "Long-term performances and microbial composition of different anaerobic reactor configurations treating high ammonia leachate" IWA Conference on Water and Waste Management for Developing Countries, 26-31 October, Kuala Lumpur, Malaysia
9. Inanc B., **Calli B.**, Alp K., Ciner F., Ozturk I. (2001). "Toxicity assessment on combined Biological treatment of fermentation and chemical synthesis based pharmaceutical industry effluents" Fifth International Symposium on Waste Management Problems in Agro-Industries, 16-18 November, Shiga-Japan
10. **Calli B.**, Mertoglu B., Davutluoglu A., Gunes B., Girgin E., Inanc B. (2001). "Characterization and anaerobic treatability of K m rc oda Sanitary Landfill leachate" Turkish-German Environmental Symposium, Advanced Technologies in Wastewater Treatment, 10-12 October, Izmir, Turkey
11. **Calli B.**, Mertoglu B., Davutluoglu A., Gunes B., Girgin E., Tas N., Inanc B., Yenigun O. (2002). "Anaerobic treatment of high ammonia landfill leachate with and without pH control" ISWA 2002 World Environment Congress, 8-12 July, Istanbul, Turkey
12. **Calli B.**, Mertoglu B., Tas N., Inanc B. (2002). "Comparative evaluation of air stripping and struvite precipitation for ammonia removal from landfill leachate" ISWA 2002 World Environment Congress, 8-12 July, Istanbul, Turkey
13. **Calli B.**, Mertoglu B., Tas N., Inanc B., Yenigun O., Ozturk I. (2002). "Investigation of variations in microbial diversity in anaerobic reactors treating landfill leachate" Anaerobic Digestion of Solid Wastes 2002 Conference, 18-20 September, Munich, Germany
14. **Calli B.**, Tas N., Mertoglu B., Inanc B., Ozturk I. (2002). "Molecular analysis of microbial communities in nitrification and denitrification reactors treating high ammonia leachate" 5th Specialised Conference on Small Water and Wastewater Treatment Systems, 24-26 September, Istanbul, Turkey
15. Birbir M, Ogan A, **Calli B.**, Mertoglu B. (2003). "Diversity of extremely halophilic archaeal community in Tuzkoy salt mine in Turkey" Third Balkan Conference of Microbiology, 4-6 September, Istanbul, Turkey
16. Yangin G. C., **Calli B.**, Mertoglu B., Ozturk I. (2004) "Methanogenic community structures in UASBR treating low strength wastewater at psychrophilic temperatures" Second IWA Young Researchers Conference, 23-24 April, Wageningen, The Netherlands
17. Yangin G. C., **Calli B.**, Mertoglu B., Eroglu V., Ozturk I. (2004) "Comparative evaluation of methanogenic communities in psychrophilic and mesophilic UASB reactors treating domestic wastewater" European Symposium on Environmental Biotechnology, ESEB 2004, April 25-28, Oostende, Belgium

18. Eldem N., Ozturk I., Soyer E. **Calli B.** Mertoglu B., Akgiray O. (2004) "Ammonia and pH Inhibition in Anaerobic Treatment" IWA Tenth World Congress on Anaerobic Digestion, August 29-September 2, Montreal, Canada.
19. **Calli B.**, Durmaz S., Mertoglu B. (2005) "Identification of Prevalent Microbial Communities in a Municipal Solid Waste Landfill" Anaerobic Digestion of Solid Waste 2005 Conference, 31 August-02 September, Copenhagen, Denmark.
20. Inanc B., Mertoglu B., **Calli B.**, Inoue Y., Akgiray O., Yamada M., Ono Y. (2005) "Microbial diversity changes in an aerated landfill bioreactor test cell of co-disposed MSWI bottom ash and shredded residues" Anaerobic Digestion of Solid Waste 2005 Conference, 31 August-02 September, Copenhagen, Denmark.
21. **Calli B.**, Böenne W., Vanbroekhoven K. (2006) Bio-hydrogen potential of easily biodegradable substrate through dark fermentation. 16th World Hydrogen Energy Conference, June 13-16, Lyon, France.
22. **Calli B.**, Böenne W., Vanbroekhoven K. (2006) Dark fermentative hydrogen production at thermophilic temperature-effect of pH. Orbit 2006 5th Int. Conference 'Biological Waste Management-From Local to Global', September 13-15, Weimar, Germany.
23. **Calli B.**, Zhao J., Nijssen E., Vanbroekhoven K. (2007) Significance of acetogenic H₂ consumption in dark fermentation and effectiveness of pH. 11th IWA World Congress on Anaerobic Digestion 'Bio-Energy For Our Future', September 23-27, Brisbane, Australia.
24. Arslan D., Baeyens B., **Calli B.**, De Wever H., Diels L. and Vanbroekhoven K. (2008) Sewage enriched by kitchen waste: potential for hydrogen production by bioprocesses. Orbit 2008 6th Int. Conference 'Moving Organic Waste Recycling towards Resource Management and Biobased Economy', October 13-15, Wageningen, the Netherlands.
25. Arslan D., **Calli B.**, Vanbroekhoven K., De Wever H., Diels L. (2009) Effect of pH on dark fermentation products from food waste diluted with sewage. 5th Int. Conference on Renewable Resources and Biorefineries (RRB-5), June 10-12, De Bijloke, Belgium.
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27. Cavdar P., Yazici B., **Calli B.** (2009) Power Generation Performances of Microbial Fuel Cells (MFCs) Operated at 20 °C. International Renewable Energy Conference (IREC), November 19-20, Istanbul, Turkey
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29. Cavdar P., Yilmaz E., Mertoglu B., **Calli B.** (2010) Power Generation From Organic Wastewater Using A Bio-Cathode Microbial Fuel Cell (MFC), International Sustainable Water and Wastewater Management Symposium, October 26-28, Konya, Turkey
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31. **Calli B.**, Cavdar P., Tugtas A.E. (2011) Bio-electrochemical post-treatment of anaerobically treated landfill leachate. 3rd Int. MFC Conference, 6-8 June, Leeuwarden, the Netherlands.

32. Yazici B., **Çalli B.**, Mertoglu B., Can ZS., Gokyay O., Akgul D., Yetis U. (2011). Hazardous Waste Generation From Household Appliances Industry in Turkey Eurasia Waste Management Symposium, November 14-16, Istanbul, Turkey.
33. Yazici B., Can Z.S., Gokyay O., **Çalli B.**, Mertoglu B., Akgul D., Yetis U. (2011). Investigation of Hazardous Waste Generation by Turkish Automotive Industry. Eurasia Waste Management Symposium, November 14-16, Istanbul, Turkey.
34. Binici MS., Mehmetli E., Tosun C., Baban A., **Çalli B.** (2011) Composting of Cattle Manure: Effects of pre-dewatering. Eurasia Waste Management Symposium, November 14-16, Istanbul, Turkey.
35. Yesil H., Bayrakdar A., Tugtas A.E, **Çalli B.** (2013) Anaerobic Fermentation of Organic Solid Wastes: Volatile Fatty Acid Production and Separation. 13th World Congress on Anaerobic Digestion, June 25-28, Santiago de Compostela, Spain
36. Bayrakdar A., Şahinkaya E., **Çalli B.** (2014) Anaerobic Co-digestion of Chicken Manure and Spent Poppy Straw. Biogas Science 2014: International Conference on Anaerobic Digestion, October 26-30, Vienna, Austria
37. Bayrakdar A., Tilahun E., **Çalli B.** (2014) Hydrogen Sulfide Removal from Biogas by Autotrophic Denitrification. 5th International Symposium on Energy from Biomass and Waste, 17-20 November, Venice, Italy
38. Sürmeli R.O, Bayrakdar A., Molaey R., **Çalli B.** (2015) Removal and Recovery of Ammonia from Chicken Manure Improving Biomethane Potential. IWA 7th Eastern European Young WATER Professionals Conference.
39. Sürmeli R.O, Bayrakdar A., Molaey R., **Çalli B.** (2015) Ammonia Removal from Chicken Manure. The International Conference On Civil And Environmental Engineering.
40. Molaey R., Bayrakdar A., Sürmeli R. O, **Çalli B.** (2015) Effect of Trace Metal Supplementation on Anaerobic Digestion of Chicken Manure. The International Conference on Civil and Environmental Engineering.
41. Sürmeli R. O, Bayrakdar A, **Çalli B.** (2016). Separation of Ammonia from Anaerobically Digested Chicken Manure via PDMS Membrane Contactor. 3rd International Conference of Recycling and Reuse.
42. Bayrakdar A., Sürmeli R.O, **Çalli B.** (2016). Mono Digestion of Chicken Manure. 3rd International Conference of Recycling and Reuse
43. Tilahun E., Bayrakdar A., Şahinkaya E., **Çalli B.** (2016) A Novel Membrane Technology for Selective Hydrogen Sulfide Removal from Biogas. EurAsia Waste Management Symposium.
44. Sürmeli R. O., Bayrakdar A., Molaey R., **Çalli B.** (2017) Effect of sulfide on anaerobic digestion of chicken manure at high ammonia concentrations. 1st International ABWET Conference: Waste-to-bioenergy: Applications in Urban Areas, January 19-20, Paris, France.
45. Tilahun E., Bayrakdar A., Şahinkaya E., **Çalli B.** (2017) A novel membrane bio-scrubbing system for hydrogen sulfide removal from biogas. 1st International ABWET Conference: Waste-to-bioenergy: Applications in Urban Areas, January 19-20, Paris, France.
46. Bayrakdar A., Molaey M., Sürmeli R.Ö., **Çalli B.** (2017) Bio-methane potential of tannery wastes. 5th International Conference on Sustainable Solid Waste Management, June 21-24, 2017, Athens, Greece.
47. Sürmeli R.Ö., Bayrakdar A., **Çalli B.** (2017) Air drying of dewatered biogas digestate and the use of dried product as bulking agent. 5th International Conference on Sustainable Solid Waste Management, June 21-24, 2017, Athens, Greece.

48. Tilahun E., Şahinkaya E., **Çalli B.** (2017) Biogas desulfurization using PDMS membrane in a gas-liquid contactor under slightly alkaline conditions: Optimization of Operational Parameters. 5th International Conference on Sustainable Solid Waste Management, June 21-24, 2017, Athens, Greece.
49. Bayrakdar A., Molaey R., Sürmeli R.Ö., **Çalli B.** (2017) Influence of trace element supplementation on anaerobic mono-digestion of chicken manure. 1st International Congress on Metals in Anaerobic Digestion, October 4-6, 2017, Seville, Spain.
50. Molaey, R., Bayrakdar A., Sürmeli R. Ö., **Çalli B.** (2017) Influence of trace elements on methanogenic pathways at high ammonium concentrations. 1st International Congress on Metals in Anaerobic Digestion, October 4-6, 2017, Seville, Spain.
51. Bayrakdar A., Sürmeli R.Ö., **Çalli B.** (2018) Ammonia recovery from liquid fraction of chicken manure digestate. 3rd International Conference on Civil and Environmental Engineering, April 24-27, 2018, Çeşme, Turkey.

Book/Book Chapter

1. Tugtaş, A. E., **Çalli, B.** (2018). Removal and Recovery of Metals by Using Bio-electrochemical System. In Microbial Fuel Cell (pp. 307-333). Springer, Cham.
2. **Çalli, B.** (2017) Kompostlaştırma. Katı Atık Yönetimi ve Teknolojileri (515-532). Nobel, Ankara (Çeviri)
3. **Çalli, B.** (2017) Kompostlaştırma Teknolojileri. Katı Atık Yönetimi ve Teknolojileri (533-568). Nobel, Ankara (Çeviri)
4. Öztürk, İ., **Çalli, B.**, Arıkan, O. Altınbaş, M. (2015) Atıksu Arıtma Çamurlarının İşlenmesi ve Bertarafı. Türkiye Belediyeler Birliği, Ankara.

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1. **Çalli B.**, İnanç B., Akgiray Ö. (1998) İlaç endüstrisi atıksularının anaerobik arıtımında toksisite ve giderilmesi üzerine bir araştırma. İTÜ 6. Endüstriyel Kirlenme Kontrolü Sempozyumu, Haziran 1998, İstanbul
2. **Çalli B.**, Mertoğlu B., Bağrıaçık E. ve İnanç B. (2000) Yüksek amonyak içeren sızıntı sularının nitrifikasyonu. 2000 GAP-Çevre Kongresi, 16-18 Ekim, Şanlıurfa
3. İnanç B., **Çalli B.**, Mertoğlu B., Arıkan O., Altınbaş M., Kınacı C. ve Öztürk İ. (2001) Haliç'te tarama sonrası su ve çamur kalitesi. Haliç Sempozyumu 2001, 3-4 Mayıs, İstanbul (Çağrılı Bildiri)
4. Mertoğlu B., **Çalli B.**, Taş N., Aksu D., Konukçu M., Erdoğan E. ve İnanç B. (2001) Yüksek Amonyak İçeren Sızıntı Sularında Biyolojik Azot Giderimi. 4.Ulusal Çevre Mühendisliği Kongresi, 7-10 Kasım, İçel
5. Mertoğlu B., **Çalli B.**, İnanç B., Roest K. ve Öztürk İ. (2001) Anaerobik Reaktörlerdeki Mikroorganizmaların Tanısında Fluorescent In Situ Hybridization (FISH) Tekniğinin Kullanılması. 12. Biyoteknoloji Kongresi, 17-21 Eylül, Ayvalık, Balıkesir
6. **Çalli B.**, Mertoğlu B., Altunkaynak F., Salpar G. D., Yıldız E., Girgin E. ve Yenigün O. (2003) Yüksek amonyak konsantrasyonunun anaerobik arıtma üzerindeki etkileri. 2. Ulusal Çevre Kirliliği Kontrolü Sempozyumu, 22-24 Ekim, Ankara, Türkiye

7. Mertoğlu B., **Çallı B.**, Girgin E., Güler N., Bayender B., İnanç B., Saatçı A. M. (2004) Tuzla Atıksu Arıtma Tesisi Nitrifikasyon Potansiyelinin FISH ve Respirometrik Deneyler ile İncelenmesi. İTÜ 9. Endüstriyel Kirlenme Kontrolü Sempozyumu, 2-4 Haziran, İstanbul
8. Mertoğlu B., **Çallı B.**, Akanyeti İ., Tufan D., Güler N., İnanç B. (2005) Havalandırmalı Katı Atık Depo Sahasındaki Mikrobiyal Çeşitliliğin Moleküler Teknikler ile İncelenmesi. 6. Ulusal Çevre Mühendisliği Kongresi, 24-26 Kasım, İstanbul.
9. Güler N., Mertoğlu B., **Çallı B.** (2006) Aktif Çamur ve Biofiltre Sistemlerindeki Nitrifikasyon Bakterilerinin Türlerinin Ve Dağılımlarının Kıyaslanması. İTÜ 10. Endüstriyel Kirlenme Kontrolü Sempozyumu, 7-9 Haziran, İstanbul
10. Durmaz Şam S., Mertoğlu B., Yükselen M.A., **Çallı B.** (2007) Bir Katı Atık Depo Sahasında Stabilizasyona Bağlı Olarak Görülen Değişimler. Ulusal Çevre Sempozyumu, 18-21 Nisan, Mersin
11. Erkan M.S., Semerci N., Karışan H., Tuksan C., Tüylüoğlu B.S., **Çallı B.**, Öztürk İ. (2008) Burdur İli İçin Uygun Katı Atık Yönetim Sisteminin Hazırlanması. Kent Yönetimi, İnsan ve Çevre Sorunları 2008 Sempozyumu, 3-6 Kasım, İstanbul
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