

PUBLICATIONS

27. Üner, B., Karaman, İ., Tanrıverdi, H., Özdemir, D., Determination of lignin and extractive content of Turkish Pine (*Pinus brutia* Ten.) trees using near infrared spectroscopy and multivariate calibration, *Wood Sci Technol* 45:121–134 (2011).
26. Yalçın, A., Ergun, D., Uçar, Ö.İ., Özdemir, D., Determination of aluminum rolling oil additives and contaminants using infrared spectroscopy coupled with genetic algorithm based multivariate calibration, *Vibrational Spectroscopy* 54, 10–20 (2010).
25. Öztürk, B., Yalçın, A., Özdemir, D., Determination Of Olive Oil Adulteration With Vegetable Oils By Near İnfrared Spectroscopy Coupled With Multivariate Calibration, *J. Near Infrared Spectrosc.*, 18, 191-201 (2010)
24. Dıraman, H., Özdemir, D., Hışıl, Y., Çeşit ve Hasat Yılına Bağlı Olarak Bazı Yerli Zeytin Çeşitlerinin Yağ Asitleri Bileşenlerine Göre Kemometrik Karakterizasyonu, *Gıda Dergisi*, 07, 27-35 (2010)
23. Özdemir, D., Dinç, E., Baleanu, D., UV-Visible Spectrophotometric Quantitative Analysis of Ternary Mixture Using Multivariate Calibration Methods Optimized by a Genetic Algorithm, *Revista De Chimie Bucharest*, 61 (2) 146-153 (2010)
22. Küçükbay, F. Z., Kuyumcu, E., Karaca, İ., Özdemir, D., Determination of Minerals and Trace Elements in Soils and The Relation with its Concentrations in Sugar Beets, *Asian Journal of Chemistry*, 22(5) 3691-3704 (2010)
21. Öztürk, B., Arıkan, A., Özdemir, D., Olive Oil Adulteration with Sunflower and Corn Oil Using Molecular Fluorescence Spectroscopy. In: Victor R. Preedy and Ronald Ross Watson, editors, *Olives and Olive Oil in Health and Disease Prevention*. Oxford: Academic Press, 2010, pp. 451-461. ISBN: 978-0-12-374420-3
20. Üner, B., Karaman, İ., Tanrıverdi, H., Özdemir, D., "Prediction of Lignin and Extractive Content of *Pinus nigra* Arnold. var. *Pallasiana* Tree using Near Infrared Spectroscopy and Multivariate Calibration" *Journal of Wood Chemistry and Technology*, 29: 24–42, (2009)
19. Dıraman H., Özdemir D., Hışıl Y., Ayvalık Zeytin Çeşidinden Üretilen Erken Hasat Natürel Zeytinyağlarının Yağ Asitleri Bileşenlerine Göre Kemometrik Karakterizasyonu, *Gıda Teknolojileri Elektronik Dergisi Cilt: 4, No: 3, 1-11* (2009)
18. Dıraman, H., Özdemir, D., Gündüz, H. H., Demirci, M., Trakya Bölgesinde Üretilen Çeşitli Süt Ürünlerinin Nitrat ve Nitrit Düzeylerine Göre Kemometrik Yöntemlerle Sınıflandırılması, *GIDA* 34 (6): 387-394 (2009)
17. Özdemir, D., "Near Infrared Spectroscopic Determination of Diesel Fuel Parameters Using Genetic Multivariate Calibration"; *Petroleum Science and Technology*, 26(1) 101-113 (2008)
16. Özdemir, D., Öztürk, B.; "Near Infrared Spectroscopic Determination of Olive Oil Adulteration with Sunflower and Corn Oil"; *Journal of Food and Drug Analysis*, 15 (1) 40 – 47 (2007)
15. Dıraman H., Özdemir D., Hışıl Y., Ulusal Zeytin Gen Bankasındaki Önemli Yerli ve Yabancı Zeytin Çeşitlerinin Yağ Asitleri Kompozisyonu ve Skualen Düzeylerine Göre Kemometrik Yöntemlerle Sınıflandırılması. *Akademik Gıda Temmuz –Ağustos Yıl 5* (28):21 – 27. (2007)

14. Özdemir, D., "Genetic multivariate calibration for near infrared spectroscopic determination of protein, moisture, dry mass, hardness and other residues of wheat", *International Journal of Food Science and Technology*, 41, 1–10 (2006)
13. Özdemir, D. ve Dinç, E., "Determination of Benazepril HCl and Hydrochlorothiazide in Pharmaceutical Preparations Using UV-Visible Spectrophotometry and Genetic Multivariate Calibration Methods", *Journal of Food and Drug Analysis*, 13(4) 301-311 (2005)
12. Özdemir, D., "Determination of Octane Number of Gasoline Using Near Infrared spectroscopy and Genetic Multivariate Calibration Methods", *Petroleum Science and Technology*, 23, 1139–1152 (2005)
11. Özdemir, D. ve Öztürk, B., "Genetic Multivariate Calibration Methods for Near Infrared (NIR) Spectroscopic Determination of Complex Mixtures", *Turkish Journal of Chemistry*, 28, 497-514 (2004).
10. Özdemir, D. ve Dinç, E., "Determination of Thiamine HCl and Pyridoxine HCl in Pharmaceutical Preparations Using UV-Visible Spectrophotometry and Genetic Algorithm Based Multivariate Calibration Methods", *Chemical and Pharmaceutical Bulletin*, 52 (7) 810-817 (2004)
9. Taner M. S., Ozdemir D., Koseoglu K., Argon M., Dirlik A., Duman Y., "Labeling of Gly-Gly-L-Alanine with Technetium-99m and the assessment of its radiopharmaceutical potential", *European Journal of Nuclear Medicine*, 28 (8): PS145, Suppl. S. (2001).
8. Özdemir, D., ve Williams, R., "Multi-instrument calibration in uv-visible spectroscopy using Genetic Regression", *Applied Spectroscopy*, 53, 210-217 (1999).
7. Özdemir, D., Mosley, M., Williams, R., "Effect of wavelength drift on single and multi-instrument calibration using Genetic Regression", *Applied Spectroscopy*, 52, 1203-1209 (1998).
6. Özdemir, D., Mosley, M., Williams, R., "Hybrid Calibration Models: an alternative to Calibration Transfer", *Applied Spectroscopy*, 52, 599-603 (1998).
5. Özdemir, D., ve Williams, R., "Simple method for extracting Gaussian peak parameters", *Applied Spectroscopy*, 51, 749-754, (1997).
4. Ünak, P. Özkayalar, T. Özdemir, D., Yurt, F., "Determination of Uranium (VI) and thorium (IV) Complexes of 5-Chloro-7-Amino-8-Hydroxyquinoline", *Journal of Radioanalytical and Nuclear Chemistry, Articles*, 196, 323-330 (1995).
3. Ünak, P. Özdemir, D., Ünak, T., "Stability Constants of Uranium (VI) and Thorium (IV) complexes formed with 8-hydroxyquinoline and its 5-sulfonic acid derivative", *Journal of Radioanalytical and Nuclear Chemistry, Letters*, 186, 325-332 (1994).
2. Özdemir, D., ve Ünak, P., "Study of labelling conditions of (Iodine-125) Synkavit by the Iodogen method", *Journal of Radioanalytical and Nuclear Chemistry, Letters*, 187, 277-283, (1994).
1. Ünak, P., Özdemir, D., Ünak, T., "Determination of the stability constants of Uranyl complex with 8-hydroxyquinolinium sulfate" *Journal of Radioanalytical and Nuclear Chemistry, Letters*, 176, 55-64 (1993).