

## LIST OF PUBLICATIONS

### I. Papers published in ISI journals

1. M.-L. Soran, I. Lung, O. Opreș, **V. Floare-Avram** and C. Coman, Determination of Antibiotics in Surface Water by Solid-Phase Extraction and High-Performance Liquid Chromatography with Diode Array and Mass Spectrometry Detection, *Analytical Letters*, 50(7), 1209-1218. (DOI: 10.1080/00032719.2016.1209516).
2. M.-C. Roșu, C. Socaci, **V. Floare-Avram**, G. Borodi, F. Pogăcean, M. Coroș, L. Măgerușan, S. Pruneanu, Photocatalytic Performance of Graphene/TiO<sub>2</sub>-Ag Composites on Amaranth Dye Degradation, *Materials Chemistry and Physics*, 179, **2016**, 232-241. (DOI: 10.1016/j.matchemphys.2016.05.035).
3. O. Marincaș, **V. Floare-Avram**, I. Feher, D. Lazăr, C. Voica and I. Grosu, Inexpensive Adsorbents Derived from Coffee Grounds for the Treatment of Wastewater, *Analytical Letters*, 49(16), **2016**, 2659-2670. (DOI: 10.1080/00032719.2015.1125913).
4. I. Feher, C. Voica, **V. Floare-Avram**, O. Marincaș and I. Oprean, Elemental Analysis of River Water from Transylvania, Romania by Inductively Coupled Plasma-Mass Spectrometry and Chemometrics, *Analytical Letters*, 49(16), **2016**, 2671-2685. (DOI: 10.1080/00032719.2015.1113417).
5. A. Hosu, **V. Floare-Avram**, D. A. Magdas, I. Feher, M. Inceu and C. Cimpoiu, The Influence of the Variety, Vineyard, and Vintage on the Romanian White Wines Quality, *Journal of Analytical Methods in Chemistry*, ID 4172187, **2016**, 10 pages. (DOI: 10.1155/2016/4172187).
6. L. Magerusan, C. Socaci, F. Pogacean, M.-C. Rosu, A. R. Biris, M. Coros, A. Turza, **V. Floare-Avram**, G. Katona and S. Pruneanu, Enhancement of Peroxidase-Like Activity of N-doped Graphene Assembled with Iron-Tetrapyrrolylporphyrin, *RSC Advances*, 6, **2016**, 79497-79506. (DOI: 10.1039/C6RA15414J).
7. **V. Avram**, C. G. Floare, A. Hosu, C. Cimpoiu, C. Măruțoiu and Z. Moldovan, Characterization of Romanian Wines by Gas Chromatography - Mass Spectrometry, *Analytical Letters*, 48(7), **2015**, 1099-1116. (DOI: 10.1080/00032719.2014.974054).
8. **V. Avram**, C. Voica, A. Hosu, C. Cimpoiu and C. Măruțoiu, ICP-MS Characterization of Some Roumanian White Wines by Their Mineral Content, *Revue Roumaine de Chimie*, 59(11-12), **2014**, 1011-1021.
9. **V. Avram**, D. A. Măgdaș, C. Voica, G. Cristea, C. Cimpoiu, A. Hosu and C. Măruțoiu, Isotopic Oxygen Ratios and Trace Metals Determination in Some Romanian Commercial Wines, *Analytical Letters*, 47(4), **2014**, 641-653. (DOI: 10.1080/00032719.2013.845896).
10. G. Schmutzer, **V. Avram**, V. Coman, L. David and Z. Moldovan, Determination of Phenolic Compounds from Wine Samples by GC/MS System, *Revista de Chimie*, 63(9), **2012**, 855-858.
11. G. Schmutzer, I. Feher, O. Marincaș, **V. Avram**, M. H. Kovacs, L. David, V. Danciu and Z. Moldovan, Photodegradation Study of Some Indoor Air Pollutants in the Presence of UV-Vis Irradiation and TiO<sub>2</sub> Photocatalyst, *Studia Universitatis Babeș-Bolyai, Chemia*, LVII, 3, **2012**, 15-21.
12. Z. Moldovan, **V. Avram**, O. Mărincaș, P. Petrov and T. Ternes, The Determination of the Linear Alkylbenzene Sulfonate Isomers in Water Samples by Gas-Chromatography/Mass Spectrometry, *Journal of Chromatography A*, 1218(2), **2011**, 343-349. (DOI: 10.1016/j.chroma.2010.11.043).

## II. Papers published in BDI journals

1. F. Pogăcean, A.R. Biriş, C. Socaci, **V. Floare-Avram**, M.C. Rosu, M. Coros and S. Pruneanu, Electrochemical Degradation of Carbamazepine using Electrode Modified with Graphene-AuAg Composite, *American Institute of Physics, Conference Proceedings* (Processes in Isotopes and Molecules, PIM 2015), 1700, **2015**, 060003. (DOI: 10.1063/1.4938453).
2. G. Schmutzer, **V. Avram**, F. Covaciu, I. Feher, A. Magdas, L. David and Z. Moldovan, Study of flavour compounds from orange juices by HS-SPME and GC-MS, *American Institute of Physics, Conference Proceedings* (Processes in Isotopes and Molecules, PIM 2013), 1565, **2013**, 79-84 (DOI: 10.1063/1.4833701).
3. G. Schmutzer, **V. Avram**, I. Feher, L. David and Z. Moldovan, Determination of Some Volatile Compounds in Alcoholic Beverage by Headspace-Solid Phase Microextraction Gas Chromatography-Mass Spectrometry, *American Institute of Physics, Conference Proceedings* (Processes in Isotopes and Molecules, PIM 2011), 1425, **2012**, 43-46. (DOI: 10.1063/1.3681962).
4. O. Mărincaş, P. Petrov, T. Ternes, **V. Avram** and Z. Moldovan, The Improvement of Removal Effects on Organic Pollutants in Wastewater Treatment Plants (WWTP), *Journal of Physics: Conference Series* (Processes in Isotopes and Molecules) 182, **2009**, 012040. (DOI: 10.1088/1742-6596/182/1/012040).

## III. Papers published in other journals

1. R. Grecu, V. Coman, **V. Avram**, M. Băciuţ and G. Băciuţ, Bone Matrices of Different Origins Studied by FTIR Spectroscopy, *Acta Electrotehnica*, 48(4), **2007**, 429-432, (ISSN 1841-3323).
2. M. Filip, V. Coman, **V. Avram** and I. Coman, HPLC Monitoring of Flutamide Drug Used in the Prostate Cancer Treatment, *Acta Electrotehnica*, 48(4), **2007**, 397-400, (ISSN 1841-3323).
3. R. Grecu, V. Coman, **V. Avram** and H. Balázs, Évaluation de la Qualité du Vin Blanc Par des Méthodes Analytiques Instrumentales, *Actes du troisième colloque franco-roumain de chimie appliquée COFrRoCA-2004*, Édition Alma Mater Bacău (ISBN 973-8392-36-5) și Tehnica Info Chişinău (ISBN 9975-63-183-5), **2004**, p. 173-176.
4. V. Coman, R. Grecu, L. Soran, A. Şteţco and **V. Avram**, Contrôle d'Identité et de Pureté de Quelques Antibiotiques Utilisés à Produire des Sensidisques pour l'Antibiogramme, *Actes du troisième colloque franco-roumain de chimie appliquée COFrRoCA-2004*, Édition Alma Mater Bacău (ISBN 973-8392-36-5) și Tehnica Info Chişinău (ISBN 9975-63-183-5), **2004**, p. 50-53.
5. V. Coman, **V. Avram**, L. Soran, R. Grecu, Z. Moldovan and H. Farkas, HPLC Determination of Some Antibiotics, *Studia Universitatis Babeş-Bolyai, Physica*, Special Issue 2 (The 3<sup>rd</sup> Conference with International Participation on Isotopic and Molecular Processes) **2003**, 427-429.