

Publications in Journals

1. Amoxicillin-degradation products formed under controlled environmental conditions: Identification and determination in the aquatic environment
Gozlan, Igal; Rotstein, Adi; Avisar, Dror
Chemosphere (2013), 91(7), 985-992.
2. Method and system for treating contaminated water via pH optimized direct photolysis
Mamane, Hadas; Avisar, Dror; Lester, Yaal; **Gozlan, Igal**
Israeli (2012), IL 193935 A 20121129.
3. Removal of pharmaceuticals using combination of UV/H₂O₂/O₃ advanced oxidation process
Lester, Y.; Avisar, D.; **Gozlan, I.**; Mamane, H.
Water Science and Technology (2011), 64(11), 2230-2238.
4. Investigation of an amoxicillin oxidative degradation product formed under controlled environmental conditions
Gozlan, Igal; Rotstein, Adi; Avisar, Dror
Environmental Chemistry (2010), 7(5), 435-442.
5. Sorption of Sulfonamides and Tetracyclines to Montmorillonite Clay
Avisar, Dror; Primor, Orna; **Gozlan, Igal**; Mamane, Hadas
Water, Air, & Soil Pollution (2010), 209(1-4), 439-450.
6. The processes affecting oxytetracycline contamination of groundwater in a phreatic aquifer underlying industrial fish ponds in Israel
Avisar, Dror; Levin, Gili; **Gozlan, Igal**
Environmental Earth Sciences (2009), 59(4), 939-945.
7. Method and system for treating contaminated water
Mamane, Hadas; Avisar, Dror; Lester, Yaal; **Gozlan, Igal**
PCT Int. Appl. (2010), WO 2010026594 A1 20100311.
8. Detection of amoxicillin-diketopiperazine-2',5' in wastewater samples
Lamm, Assaf; **Gozlan, Igal**; Rotstein, Adi; Avisar, Dror
Journal of Environmental Science and Health, Part A: Toxic/Hazardous Substances & Environmental Engineering (2009), 44(14), 1512-1517.
9. Photodegradation of sulphadimethoxine in water by medium pressure UV lamp
Lester, Y.; **Gozlan, I.**; Avisar, D.; Mamane, H.
Water Science and Technology (2008), 58(5), 1147-1154.

10. Preparation of a polymorphic crystalline form of the antidiabetic agent nateglinide
Yahalomi, Ronit; Shapiro, Evgeny; Dolitzky, Ben-Zion; **Gozlan, Yigael**; Gome, Boaz; Wizel, Shlomit
U.S. (2008), US 7420084 B2 20080902.
11. HPLC method for determination of cefuroxime in plasma
Piva, G.; Farin, D.; **Gozlan, I.**; Kitzes-Cohen, R.
Chromatographia (2000), 51(3/4), 154-156.
12. High performance liquid chromatography method for the determination of meropenem in human plasma
Farin, D.; Kitzes-Cohen, R.; Piva, G.; **Gozlan, I.**
Chromatographia (1999), 49(5/6), 253-255.
13. Identification of main lipid components of mole rat Harderian gland
Shanas, Uri; **Gozlan, Igal**; Murawski, Uwe; Terkel, Joseph
Journal of Chemical Ecology (1998), 24(12), 2181-2193.
14. A modified HPLC method for the determination of vancomycin in plasma and tissues and comparison to FPIA (TDX)
Farin, Dina; Piva, Guillermo A.; **Gozlan, Igal**; Kitzes-Cohen, Ruth
Journal of Pharmaceutical and Biomedical Analysis (1998), 18(3), 367-372.
15. High performance liquid chromatography method for the determination of doxycycline in human plasma
Farin, D.; Piva, G.; **Gozlan, I.**; Kitzes, R.
Chromatographia (1998), 47(9/10), 547-549.
16. Bioequivalence study of two formulations of doxycycline
Kitzes-Cohen, Ruth; Farin, Dina; Laor, Arie; Piva, Guillermo; Hazan, Klara; Wasserman, Amit; **Gozlan, Igal**
Current Therapeutic Research (1998), 59(5), 315-323.
17. Studies toward structure determination of substituted pyrazines
Zviely, Michael; Kern, Alexander; **Gozlan, Igal**; Frim, Ron
Perfumer & Flavorist (1998), 23(2), 27-28, 30-32, 34,36.
18. Studies towards structure determination of substituted pyrazines
Zviely, Michael; Kern, Alexander; **Gozlan, Igal**; Frim, Ron
Special Publication - Royal Society of Chemistry (1997), 214 (Flavours and Fragrances), 116-134.
19. A bioequivalence study of two formulations of cefaclor
Kitzes-Cohen, Ruth; Farin, Dina; Marckovich, Judith; Wasserman, Amit; **Gozlan, Igal**; Iaor, Arie
Current Therapeutic Research (1997), 58(6), 352-360.

20. A convenient synthesis of 2-nitrophenols from 1,2-dichlorobenzenes
Zilberman, Joseph; Ioffe, David; **Gozlan, Igal**
Synthesis (1992), (7), 659-60.
21. Phase transfer catalysis in N-alkylation of the pharmaceutical intermediates phenothiazine and 2-chlorophenothiazine
Gozlan, Igal; Ladkani, David; Halpern, Mark; Rabinovitz, Mordecai; Avnir, David
Journal of Heterocyclic Chemistry (1984), 21(2), 613-14.
22. Phase transfer catalysis in N-alkylations of the pharmaceutical intermediates 5H-dibenz[b,f]azepine and 5H-10,11-dihydrodibenz[b,f]azepine
Gozlan, Igal; Halpern, Marc; Rabinovitz, Mordecai; Avnir, David; Ladkani, David
Journal of Heterocyclic Chemistry (1982), 19(6), 1569-71.
23. Amoxicillin-degradation products formed under controlled environmental conditions: identification and determination in the aquatic environment
Gozlan Igal; Rotstein Adi; Avisar Dror
Chemosphere (2013), 91(7), 985-92.
24. Removal of pharmaceuticals using combination of UV/H₂O₂/O₃ advanced oxidation process
Lester Y; Avisar D; **Gozlan I**; Mamane H
Water science and technology: a journal of the International Association on Water Pollution Research (2011), 64(11), 2230-8.
25. Detection of amoxicillin-diketopiperazine-2', 5' in wastewater samples
Lamm Assaf; **Gozlan Igal**; Rotstein Adi; Avisar Dror
Journal of environmental science and health. Part A, Toxic/hazardous substances & environmental engineering (2009), 44(14), 1512-7.
26. Photodegradation of sulphadimethoxine in water by medium pressure UV lamp
Lester Y; **Gozlan I**; Avisar D; Mamane H
Water science and technology: a journal of the International Association on Water Pollution Research (2008), 58(5), 1147-54.
27. Carboplatin-Degradation Products Formed Under Deliberated and Non-deliberated Laboratory Experiments: Structural Elucidation
Igal Gozlan & Adi Rotstein & Dror Avisar
Water Air Soil Pollut (2014) 225:2196.
28. pH induced polychromatic UV treatment for the removal of micro-pollutants from water
Avisar, D., **Gozlan, I.**, Lester Y. and Mamane, H.
2008084-00-00. Ours: 44825 (2008).

29. Identification, mechanisms and kinetics of macrolide degradation product formation under controlled environmental conditions
Igal Gozlan, Ilana Koren, Dror Avisar
J Environ Anal Chem (2016) 3: 171.
30. Formation and Degradation of N-Oxide Venlafaxine during Ozonation and Biological Post-Treatment
Ines Zucker, Hadas Mamane, Alon Riani, **Igal Gozlan**, Dror Avisar
Sci Total Environ. (2018) 1: 578-586

Lectures and Presentations

1. Studies Towards Structure Determination of Substituted Pyrazines.
M. Zviely, A. Kern, I. Gozlan and R. Frim, International Symposium on Chemistry of Flavors and Fragrances, Royal Society of Chemistry, Warwick, UK, 1997.
2. Isolation and Structure Elucidation of Active Ingredients in Ginger Extract by LC-MS, GC-MS and NMR Techniques.
Y. Gozlan and M. Zviely, The Israel Society for Analytical Chemistry, the Second Conference on Analytical Chemistry, Tel-Aviv, Israel, 1999.
3. Qualitative Characterization of Granular Instant Coffee Using Chromatographic and Spectroscopic Methods.
I. Gozlan, The Israel Society for Analytical Chemistry, the 4th Conference on Analytical Chemistry, Tel-Aviv, Israel, 2001.
4. Characterization of N-oxide isomers of Risperidone.
I. Gozlan, A. Gabay - TAMI (IMI), Y. Dolitzky, Y. Gutmanas, G. Bogomolny, G. Kolatkar – TEVA, The Israel Society for Analytical Chemistry, the 6th Conference on Analytical Chemistry, Tel-Aviv, Israel, 2003.
5. Method Development for the Determination of Amoxicillin and Ampicillin from Wastewater and Effluent Using SPE & LC-MS/MS.
I. Gozlan, A. Rothstein, D. Avisar, The 11th Annual meeting of the Israel Analytical Chemistry Society, Israel, 2008.
6. Antibiotic Residues in Waste Water Treatment Plants in Israel.
D. Avisar, I. Gozlan, The 36th Annual meeting of the Israel Society for Ecology and Environmental Sciences, Israel, 2008.
7. Secondary Effluent Upgrades Using Constructed Wetland Technology.
D. Milstein, I. Gozlan, D. Avisar, The 36th Annual meeting of the Israel Society for Ecology and Environmental Sciences, Israel, 2008.

8. Analysis of estrogens in constructed wetlands by NH₂/GCB SPE and HPLC-Ion trap- APCI (+) mass spectrometry.
D. Milstein, I. Gozlan, D. Avisar, The 12th annual meeting of the Israel analytical chemistry society, Israel, 2009.
9. Photo-degradation of Sulfadimethoxine in Water by Medium Pressure UV Lamp.
Y. Laster, I. Gozlan, D. Avisar, The 12th annual meeting of the Israel analytical chemistry society, Israel, 2009.
10. Amoxicillin degradation products in various aquatic environments.
I. Gozlan, A. Rothstein, D. Avisar, The 12th annual meeting of the Israel analytical chemistry society, Israel, 2009.
11. Amoxicillin degradation products in various aquatic environments.
I. Gozlan, A. Rothstein, D. Avisar, EmCon, The 2nd International Conference on Occurrence, Fate, Effects, and Analysis of Emerging Contaminations in the Environment USA, 2009.
12. Study of Erythromycin Degradation Processes in Various Aquatic Environments.
I. Gozlan, I. Magder, D. Avisar, The 14th annual meeting of the Israel analytical chemistry society- Israel, 2011.
13. Carboplatin Degradation Products Obtained under Environmental Conditions using Novel Analytical Methods for Examining their Behavior in Various Aquatic Environments.
I. Gozlan, A. Rothstein, D. Avisar, The 15th annual meeting of the Israel analytical chemistry society, Israel, 2012.
14. Carboplatin degradation products obtained within the aquatic environment.
I. Gozlan, A. Rothstein, D. Avisar, The 16th annual meeting of the Israel analytical chemistry society, Israel, 2012.
15. Carboplatin degradation products obtained within the aquatic environment.
I. Gozlan, A. Rothstein, D. Avisar, The 1th International Conference on Emerging Contaminations, emcon forum, Kaohsiung, Taiwan, 2013.
16. Degradation Processes and Mechanisms of Macrolides in Various Aquatic Environments.
I. Gozlan, I. Magder, D. Avisar, The 18th annual meeting of the Israel analytical chemistry society- Israel, 2014.