

Yael G. Mishael

Full List of Publications

Mishael Y.G., Dubin P.L. deVries R. and Kayitmazer A. B. (in press) Effect of pore size on adsorption of polyelectrolyte to porous glass. *Langmuir*.

Zadaka D., Mishael Y.G., Polubesova T., Serban C., Nir S. (in press). Modified silicates and porous glass as adsorbents for removal of organic pollutants from water and comparison with activated carbons. *Appl. Clay Sci.*

Mishael Y.G. and Dubin P.L. (2005). Uptake of organic pollutants by silica-polycation immobilized micelles for water remediation. *Environ. Sci. Technol.* 39:8475-8480.

Mishael Y.G. and Dubin P.L. (2005). Toluene solubilization induces different modes of mixed micelle growth. *Langmuir*. 21:9803-9808.

Zadaka D., Polubesova T., Mishael Y.G., Spitzzy A., Koehler H., Rabinovitz O., Nir S. (2005). Determination of release of organic cations from micelle-clay complexes and their re-adsorption in sand/clay columns. *Appl. Clay Sci.* 29:282-286.

Undabeytia T., Mishael Y.G., Nir S., Rubin B., Papahadjopoulos-Sternberg B., Morillo E., Maqueda C. (2003). A novel system for reducing leaching from formulations of anionic herbicides: clay-liposomes. *Environ. Sci. Technol.* 37:4475-4480.

Mishael Y.G., Undabeytia T., Rabinovitz O., Rubin B. and Nir S. (2003). Sulfosulfuron incorporation in micelles adsorbed on montmorillonite for slow release formulations. *J. Agri. Food Chem.* 51:2253-2259.

Mishael Y.G., Undabeytia T., Rabinovitz O., Rubin B. and Nir S. (2002). Slow release formulations of sulfometuron incorporated in micelles adsorbed on montmorillonite. *J. Agri. Food Chem.* 50:2864-2869.

Mishael Y.G., Undabeytia T., Rytwo, G., Papahadjopoulos-Sternberg B., Rubin B. and Nir S. (2002). Sulfometuron incorporation in cationic micelles adsorbed on montmorillonite. *J. Agri. Food Chem.* 50:2856-2863.

Nennemann A., Mishael Y.G., Nir S., Rubin B., Polubisova T., Bergaya, F., Van Damme H., Lagaly G. (2001). Clay-based formulations of metolachlor with reduced leaching. *Appl. Clay Sci.* 18:265-275.

El-Nahhal, Y., Undabeytia, T., Polubesova, T., Mishael, Y.G., Nir, S. and Rubin, B (2001). Organo-clay formulations of pesticides: reduced leaching and photodegradation. *Appl. Clay Sci.* 18:309-326.

Mishael Y.G., Rytwo G., Nir S., Crespin M., Annabi-Bergaya F., Van Damme H. (1999). Interactions of monovalent organic cations with pillared clays. *J. Colloid Interface Sci.* 209: 123-128

Book Chapter: Nir S., El-Nahhal Y., Undabeytia T., Rytwo G., Polubesova T., Mishael Y., Rabinovitz O., Rubin B (in press). Clays and pesticides. In: *Handbook of Clay Science*. Editors: F. Bergaya, B.K.G. Theng, and G. Lagaly.

Patent: Controlled release formulations of anionic herbicides. Shlomo Nir, Baruch Rubin, Yael Mishael, Thomas Undabeytia, Onn Rabinovitch, Tamara Polubesova. WO 02/052939 A1.