

## BRIEF PROFESSIONAL CV

**Name:** Ottó Zsíros

**Data of Birth:** December 17, 1966

**Business Address:**

Institute of Plant Biology, Biological Research Center, Hungarian Academy of Sciences, Szeged, Hungary, H-6701

**Education:**

2001: PhD, biology, University of Szeged

1994: MS, teacher, biology, József Attila University, Szeged, Hungary

**Professional Career:**

1997- present: Member of Laboratory for Membrane Energization, Institute of Plant Biology, Biological Research Center (BRC), Hungarian Academy of Sciences, Szeged

2002: 2 months fellowship at the National Institute for Basic Biology, Okazaki, Japan

2000-2002: STA postdoctoral fellow at National Institute of Advanced Industrial Science and Technology, Research Institute of Biological resources, Japan, Sapporo

1996-1997: 6 months fellowship at the National Institute for Basic Biology, Okazaki, Japan

1994-1997: PhD. Student, Institute of Plant Biology, Biological Research Center (BRC), Hungarian Academy of Sciences, Szeged

**Fields of Activity:**

Photosynthesis, biophysical spectroscopy, biological microscopy

**Practical Experience:**

differential polarization laser scanning microscopy, fluorescence spectroscopy, CD spectroscopy

### **Publications:**

Ünnep, R., Paul, S., **Zsiros, O.**, Kovács, L., Székely, N.K., Steinbach, G., Appavou, M.-S., Porcar, L., Holzwarth, A.R., Garab, G., Nagy, G.

Thylakoid membrane reorganizations revealed by small-angle neutron scattering of *Monstera deliciosa* leaves associated with non-photochemical quenching OPEN BIOLOGY 200144 , 12 p. (2020)

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Role of Protein-Water Interface in the Stacking Interactions of Granum Thylakoid Membranes-As Revealed by the Effects of Hofmeister Salts  
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**Zsiros, O.**, Allakhverdiev, SI., Higashi, S., Watanabe, M., Nishiyama, Y., Murata, N.

Very strong UV-A light temporally separates the photoinhibition of photosystem II into light-induced inactivation and repair.

BBA-Bioenergetics 1757 (2): 123-129 FEB 2006.

**Zsiros, O.**, Kis, M., Mustárdy, L., Farkas, T., Várkonyi, Zs., Gombos, Z., Szalontai, B.

Light-driven structural changes in thylakoid cytoplasmic membranes of a cyanobacterium, *Synechocystis* PCC 6803

J. Plant Physiology, 159(4): 403-414 (2002)

Varkonyi Z, Masamoto K, Debreczeny M, **Zsiros O**, Ughy B, Gombos Z, Domonkos I, Farkas T, Wada H, Szalontai B.

Low-temperature-induced accumulation of xanthophylls and its structural consequences in the photosynthetic membranes of the cyanobacterium *Cylindrospermopsis raciborskii*: an FTIR spectroscopic study.

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