

## Curriculum vitae

1. **Name** Dr Emil Boros
2. **Date of birth** 27/05/1970
3. **Nationality** Hungarian
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[drborose@gmail.com](mailto:drborose@gmail.com)  
mobile: +36 30 286 14 12
5. **Education** Ph.D. in Environmental Sciences  
MsC, agricultural engineer
6. **Language skills** Hungarian: native language  
English: TELC, Grade 2. (scientific level)  
Russian: university exam (intermediate level)



### 7. Positions

- 01/01/2014– Balaton Limnological Institute, Centre for Ecological Research of Hungarian Academy of Sciences, Position: leading research scientist<sup>1</sup>;
- 02/15/2011–31/12/2013: Kiskunság National Park Directorate (Hungary), Position: director;
- 02/15/2007–02/15/2011: Naturglobe Environmental Services Ltd. (Hungary)  
Position: Managing director and ecological expert;
- 01/01/1997 – 20/01/2007: Kiskunság National Park Directorate (Hungary)  
Position: Ecological and nature conservation officer;
- 01/10/1993 –30/09/1994: Birdlife Hungary (Hungarian Ornithological and Nature Conservation Society), Position: Project coordinator;
- 01/09/1988 –07/08/1990: KDV Environmental and water management authority (Budapest)  
Position: Water-quality protection assistant.

### 8. Members of professional organisations, boards and educational institute

- Member of International Society for Salt Lake Research (ICSLR);
- Member of public body of Hungarian Academy of Sciences;
- Member of National Committee of “The Convention on Wetlands of International Importance especially as Waterfowl Habitat” (Ramsar Convention);
- Member of Hungarian Hydrological Society, Limnological section;
- Teacher in ecology in Pallasz Athene University (Hungary, Kecskemét).

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<sup>1</sup> (<http://www.okologia.mta.hu/en/node/2>)

## 9. Five Representative Publications

Boros, E., Jurecska, L., Tatár, E., Vörös, L., & Kolpakova, M. (2017). Chemical composition and trophic state of shallow saline steppe lakes in central Asia (North Kazakhstan). *Environmental Monitoring and Assessment* 189, 546, <https://doi.org/10.1007/s10661-017-6242-6>

Boros, E., V-Balogh, K., Vörös, L., & Horváth, Zs. (2017). Multiple extreme environmental conditions of intermittent soda pans in the Carpathian Basin (Central Europe). *Limnologica* 62, 38–46.

Boros, E., Pigniczki, Cs., Sági, T., V.-Balogh, K., Vörös, L., & Somogyi, B. (2016). Waterbird-mediated Productivity of Two Soda Pans in the Carpathian Basin in Central Europe. *Waterbirds* 39(4): 388–401.

Boros, E., Horváth, Zs., Wolfram, G., & Vörös, L. (2014). Salinity and ionic composition of the shallow astatic soda pans in the Carpathian Basin. *Annales de Limnologie, International Journal of Limnology* 50(1), 59–69.

Boros, E., Ecsedi, Z., & Oláh, J. (Eds.). (2013). Ecology and Management of Soda Pans in the Carpathian Basin. Hortobágy Environmental Association, Balmazújváros (Hungary). 551p.

## 10. Candidate's Statement

I am involved in salt lake research already for more than twenty years. I have scientific experiences in limnology and zoology of inland saline ecosystems, and a wide practical experiences in their environmental and water protection, nature and biodiversity conservation including several countries and regions of Eurasia (Central Europe, Central and Inner Asia).

I have Ph.D. degree (2007) in the theme of waterbird-regulated trophic relation of soda pans in Hungary and I have more than 100 scientific, professional and managing publications on the field of limnology, zoology, ecology, nature conservation as well as environmental protection fields on the Eurasian inland saline and freshwater ecosystems<sup>2</sup>. I am dealing with inland saline ecosystems complex on the different kind of disciplines as a leading research scientist at Hungarian Academy of Sciences now. My cumulative impact factor is more than 20.<sup>3</sup>

The practical and management experiences comprise monitoring, database assessment, education and public administration, which I got at different kind of governmental and non-governmental organisations (see points 7 & 8). I got my most management experience in director position at the Kiskunság National Park Directorate, where the most of soda pans are located in Hungary.

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<sup>2</sup>

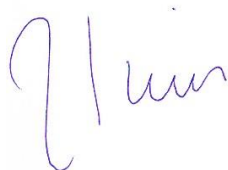
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<sup>3</sup> <http://vm.mtmt.hu/www/index.php#>

## Curriculum vitae

The nomination to board member of the society is a great honour for me. In the case of this position I would like to focus on some important topics, which are briefly the next. It is well known that most inland saline waters are shallow with special physical, chemical properties and hypertrophic conditions. Because of special properties the saline waters are particularly affected ecosystems by rapid climate change combined with human activities in the arid zones of the World, and the increasing of salinity is also being a key environmental impact on habitats, organisms and their production. The permanent alkaline type of saline waters is soda chemical type with a unique biogeochemical cycling and ecosystems and they are much less frequent than other types of saline waters. Although, beside the special ecological importance of inland saline ecosystems - and there are available lots of knowledge - we have got not enough detailed and/or managed databases about their special limnological properties combined with impact of human activities. Therefore, primary I would like to start a worldwide database building programme in the highlighted topics as above, by means with all active ISSLR members and new participants via available free internet application (e.g. Google Earth) and capacity. I think this could be a useful worldwide mission of ISSLR for scientific and social interest.

Hungary, 09<sup>th</sup> January 2018



Dr. Emil Boros  
Environmental sciences Ph.D.