



## Newsletter No. 89

The Handbook of Electroporation – second, updated and expanded edition

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Do you still remember COST action TD1104 (<https://www.cost.eu/actions/TD1104>)? At its conclusion and following the 1<sup>st</sup> World Congress on Electroporation (<https://wc2015.electroporation.net>) we prepared and published the Handbook of Electroporation (<https://link.springer.com/referencework/10.1007/978-3-319-26779-1>) in 2017. The 1<sup>st</sup> edition contains 157 chapters written by 311 authors, organized in eleven sections edited by nine section editors. This major reference work gave us confidence that our research is important and relevant. It also served not only as an important source for our students and newcomers to the field but was also extensively used by members of our Society who have free access to the Handbook. According to Springer, chapters were downloaded 77,000 times, which means that on average each chapter was downloaded 500 times! Which I think is a great success and shows the relevance of the Handbook. In addition, according to our webmaster, Handbook was accessed on average 42 times per month by Society members.

I am happy to inform you that we are starting to prepare the 2<sup>nd</sup> edition of the Handbook (<https://meteor.springer.com/electroporation>). The 2<sup>nd</sup> edition will bring new sections on cardiac ablation, cell and gene-based therapies, and a focused section on cancer treatments in human and veterinary medicine. Special attention will also be given to electroporation in food processing, agriculture, process engineering, energy, and to environmental applications. Sections devoted to basic understanding of electroporation, specific laboratory techniques, and modelling will be updated and will provide an in-depth understanding of the phenomenon of electroporation at different levels: from molecular level to systemic responses.

I expect the 2<sup>nd</sup> edition of the Handbook of Electroporation will bring more than 30% new content. This will include a completely new section – as indicated above – and chapters but also updates to original chapters published in the 1<sup>st</sup> edition.

*Continued verso...*



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We will soon be asking authors of original chapters to update their chapters. Each chapter after being reviewed by section editors and approved by the editor will be published online with its DOI and made available to readers. New chapters and invitations to new authors will follow gradually in the forthcoming months and will continue in 2024. We plan to have the 2<sup>nd</sup> edition for the Handbook available online largely by the time of the 5<sup>th</sup> World Congress, but the publication of the static book and on paper is planned in the first half of 2025.

**The list of Section Editors** has been considerably enlarged. I am happy to announce that all section editors working with me on the 1<sup>st</sup> edition of the Handbook agreed to continue to work on the 2<sup>nd</sup> edition except for Jürgen Kolb and Dietrich Knorr who however already agreed to write the preface to the 2<sup>nd</sup> edition. In addition to the original section editors: Richard Heller, Javier Raso, Marie-Pierre Rols, Boris Rubinsky, Gregor Serša, Eugène Vorobiev, and P. Thomas Vernier, I have invited, and they agreed: Nadia Boussetta, Maja Čemažar, Rafael Davalos, Julie Gehl, Alexander Golberg, Muriel Golzio, Loree Heller, Antoni Ivorra, Bor Kos, Julita Kulbacka, James Lyng, Felipe Maglietti, Vitalij Novickij, Indrawati Oey, Andrei Pakhomov, Vivek Reddy, Emanuela Signori, Chenguo Yao, and Mounir Tarek. The list of section editors is impressive and guarantees high quality, depth, and breadth of the topics we plan to include in the 2<sup>nd</sup> edition of the Handbook of Electroporation.

If you want to become part of this project as an author, or you would like to learn more about it, please do not hesitate to contact either me at [damijan.miklavcic@fe.uni-lj.si](mailto:damijan.miklavcic@fe.uni-lj.si) or any of the section editors, as I am sure you know many of them.

Access to the Handbook of Electroporation:

The **static eBook**: <https://link.springer.com/referencework/10.1007/978-3-319-32886-7>

The **Live Reference**, where the updates on the way to the 2<sup>nd</sup> edition will be published online-first: <https://link.springer.com/referencework/10.1007/978-3-319-26779-1>

Access for **Members** of the ISEBTT: <https://isebtt.electroporation.net/p/handbook>

## Forthcoming events

**17<sup>th</sup> interdisciplinary postgraduate course and international workshop  
Electroporation Based Technologies and Treatments (EBTT)**

Ljubljana, November 12 – 18, 2023 (*on-site* and *on-line* event)

<https://2023.ebtt.org>

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*The proud father and the  
newborn pose for the  
camera for the first time.*

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