



**Simposio Internacional: Evolución por cooperación. La obra de Lynn Margulis (1938-2011)**

***International Symposium: Evolution by cooperation. The work of Lynn Margulis (1938-2011)***

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## **The HistCite collection of the work of Lynn Margulis. A perspective**

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Lynn Margulis published mainly in well-known journals, so the Web of Science (WOS) search is complete as far as we could determine. Both the Science Citation Index (SCI) and WOS permit to find the papers published over the past century. Here we will discuss her approximately 300 papers and books as well as that much larger journal literature (5600 papers) in which her work has been cited. The former is first mainly identified in the WOS Source Index. The latter is identified in the main section of WOS called the citation index or cited references index. For each paper listed in the Source Index one finds the traditional bibliographic citation. However, unlike traditional bibliographies, each WOS entry contains the complete list of books or journal articles cited by the authors. This list of cited references is essential to the creation of the Historiographs which are the main theme of this presentation. For the past few years the WOS has increased by the addition of a software package called *HistCite*. This software is available free of charge to any user of the WOS. HistCite was originally created by us (E.Garfield, A.I. Pudovkin and V.S. Istomin). Having found the approximately 250 papers published by Margulis, the collection of bibliographic citations is downloaded to HistCite. Many of non-WOS publications are found in the literature cited by Margulis or other authors. The second and perhaps most important part of this work is to find the collection of papers citing Margulis' work. We performed a "Citation Search" in WOS, and exported the WOS entries for these citing papers, including all the references cited in each paper. To this much larger collection of 5600 citing papers we added the first collection of Margulis' own publications. Thus, we have two collections: 1) Publications by Margulis, 259 papers; we call it the 1st collection; 2) Margulis & the citing papers, 5593 papers; we refer to it as the 2nd collection. The ability to identify the most locally cited (or locally citing) papers is a unique feature of HistCite, not available in WOS.

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