



Günther Witzany

The *Logos* of the *Bios* 2

Bio-Communication

“The only elements that can interpret the genetic message are the products of the message itself. The genetic text makes sense only for the structures it has itself determined.”

Francois Jacob

Content

1. Introduction
2. Plant Communication from Biosemiotic Perspective
3. Fungal Communication
4. Coral Communication
5. Communicative Competences of Bacteria
6. Natural Genome Editing Competences of Viruses
7. Serial Endosymbiotic Theory: The Biosemiotic Update
8. From *Umwelt* to *Mitwelt*: Natural Laws versus Rule-Governed Sign-Mediated Interactions

The *Logos* of the *Bios* 2

Bio-Communication

Günther Witzany,

Helsinki. Umweb, 2007, ca 240 pp.

“The *Logos* of the *Bios*“ Volumes 1 and 2 both focus on the necessary and ongoing change from a pure mechanistic biology to a biology as an understanding social science.

Volume 1 established the foundations of a three-leveled biosemiotics, i.e. one in which any investigation or analyses of sign-mediated interactions must recognize the complementarity of syntactic (combinatorial), pragmatic (context-sensitive) and semantic (content-specific) rules.

Volume 2 now delivers the practical application. The articles cover all organismic kingdoms except that of Archaea, demonstrating Bio-Communication in all domains of life.

Bio-Communication is the precondition for any coordination within and between organisms. Bio-Communication occurs on three levels (A) intraorganismic, i.e. intra- and intercellular, (B) interorganismic, between the same or related species and (C) metaorganismic, between organisms which are not related.

The Bio-Communicative approach transforms empirical data of traditional biological research into a practical tool for a consistent categorization of all living processes.

Subscription offer until 15 July:

€ 28.- thereafter € 36.-

(+ forwarding expenses)

online order:

witzany@sbg.at

Günther Witzany, founded the 1st “Philosophische Praxis” (philosophical practice) in Austria in 1985. His research interests are applied philosophy, linguistic pragmatics, biosemiotics, molecular biology, genetics, epigenetics, microbiology, rule-governed sign-mediated interactions within and between bacteria, fungi, animals and plants.