

# AN ECOLOGICAL VIEW ON COGNITIVE LINGUISTICS: PERSPECTIVES OF APPLYING THE PRINCIPLES OF COGNITIVE ECOLOGY IN LINGUISTIC RESEARCHES

A.V. Kolmogorova

*The article discusses the perspectives of the development and the applicative potential of a recently appeared in cognitive science approach – the cognitive ecology. The approach proposes a new methodology of cognitive research, deeply based on a rather particular epistemic conception. In the article, we consequently examine the concepts of ecology and of cognitive system. The latter is considered from the point of view of different traditions existing on the field of modern cognitive researches. We pay a particular attention to the distributed cognition theory which has introduced the notion of languaging in the scientific context. The term is elaborated in order to denote the subject activities, firstly, linked with the language use and, simultaneously, deeply immersed in the situation of two or more cognitive agents interaction sharpened around the understanding. We also present several examples of cognitive researches accomplished on the field of linguistics which share the philosophy of the ecological approach and those results illustrate the productivity of its methodology. In conclusion, we give our definition of what is meant under the notion of cognitive ecology and we propose a draft of what could be a “credo” of the ecological approach in cognitive linguistics.*

**Keywords and phrases:** cognition; cognitive system; ecology; distributed cognition; cognitive agent; cognitive linguistics; languaging; communication.

## References

Anohin K.V. Konnektom i kognitom: zapolnenie razryva mezhdu mozgom i razumom [Connect and cognition: filling the gap between the brain and the mind]. *Sed'maya mezhdunarodnaya konferenciya po kognitivnoj nauke: Tezisy dokladov. Svetlogorsk, 20–24 iyunya 2016 g.* [Seventh International Conference on Cognitive Science: Abstracts. Svetlogorsk, June 20–24, 2016] / otv. Red. YU.I. Aleksandrov, K.V. Anohin. Moscow, Institut psihologii RAN Publ., 2016, pp.18–20.

Vernadskij V.I. Neskol'ko slov o noosfere [A few words about the noosphere]. *Uspekhi sovremennoj biologii*, 1944, no 18, issuer 2, pp. 113–120.

Delez ZH., Gvattari F. Rizoma [Rhizoma]. *Filosofiya epohi postmoderna*, Minsk, 1996, pp. 9–31.

Ilichevskij A. Sprava nalevo [From left to right]. Moscow, AST Publ., 2015. 576 p.

Kibrik A.A. YAzyk kak on est' [Language as it is]. *Sed'maya mezhdunarodnaya konferenciya po kognitivnoj nauke: Tezisy dokladov. Svetlogorsk, 20–24 iyunya 2016 g.* [Seventh International Conference on Cognitive Science: Abstracts. Svetlogorsk, June 20–24, 2016] / otv. red. YU.I. Aleksandrov, K.V. Anohin. Moscow, Institut psihologii RAN Publ., 2016, pp.674–676.

Kolmogorova A.V. Argumentaciya v rechevoj povsednevnosti [Argumentation in everyday speech]. Moscow, Flinta-Nauka Publ., 2009. 147 p.

Kolmogorova A.V. YAzykovoe znachenie i rechevoj smysl: opyt funkcional'no-semiologicheskogo issledovaniya prilagatel'nyh-oboznachenij svetlogo i temnogo v sovremennyh russkom i francuzskom yazykah [Linguistic meaning and speech sense: the experience of functional-semiological research of adjectives-designations of light and dark in modern Russian and French]. Novokuzneck, 2006. 380 p.

Lorenc K. Po tu storonu zerkala [On the other side of the mirror] / per. s angl. *Evolyuciya. YAzyk. Poznanie* [Evolution. Tongue. Cognition], Moscow, YAzyki russkoj kul'tury Publ., 2000. pp.42–60.

Skovorodnikov A.P. Ekologiya russkogo yazyka [Ecology of the Russian language]. Krasnoyarsk, Sib. feder. un-t Publ., 2016. 388 p.

Anderson M. Embodied Cognition: A field guide. *Artificial Intelligence*, 149 (2003), pp. 91–130.

Boutet D., Morgenstern A. The French speakers' gestural expression of event construal. *Aspectuality Across Language* / ed. by A.Cienki and O.Iriskhanova. Amsterdam, Benjamins Publ., 2018, pp. 81–90.

Chalmers D. The Extended Mind. *ANALYSIS*, vol. 58, isseur 1, 1998. pp.7–19.

Cienki A. Gesture and grammatical constructions. *Kognitivnye issledovaniya yazyka*, 2019, isseur37, pp. 120–125.

Cowley S.J. Changing the idea of language: Nigel Love's perspective. *Language Science*, 2016. Available at: <http://isiarticles.com/bundles/Article/pre/pdf/88434.pdf> [accessed 25.07.2019].

Cowley S. J. Distributed language and dynamics. *Pragmatics & Cognition*, 2009, 17(3), pp. 495–507.

Cowley S.J. Contextualizing bodies: how human responsiveness constrains distributed cognition. In D. Spurrett (ed.) *Special issue on Integrational Linguistics and Distributed Cognition, Language Sciences*, 26/6, 2004, pp. 565–591.

Gibson J.J. An ecological approach to visual perception. Boston, Houghton Mifflin, 1979. 189 p.

Haeckel E. *Generelle Morphologie der Organismen*. G. Reimer, Berlin, 1866. 447 p.

Hutchins E. *Cognition in the Wild*. Cambridge, MA, MIT Press, 1995. 381 p.

Hutchins E. Cognitive ecology. *Topics in Cognitive Science*, 2010, no 2, pp. 705–715.

Kibrik A.F., Fedorova O.V. An empirical study of multichannel communication: Russian pear chats and stories. *Psychology. Journal of the Higher School of Economics*, 2018, vol. 15, no 2. pp. 191–200.

Love N. On languaging and languages. *Language Sciences*, 2017, vol. 61, pp. 113–147.

Maturana H.R. Biology of Cognition. *Autopoiesis and Cognition: The Realization of the Living*, 1980, pp. 5–58.

Reddy V. *How Infants Know Minds*. Cambridge MA/London, Harvard University Press, 2008. 288 p.

Trevarthen C. Intrinsic motives for companionship in understanding: Their origin, development and significance for infant mental health. *Infant Mental Health*, 2001, vol. 22, pp. 95–131.

Trevarthen C. What is it like to be a person who knows nothing? Defining the active intersubjective mind of a newborn human being. *Inf. Child Develop*, 2010, no 20, pp. 119–135.

Uexküll J. von. *Umwelt und Innenwelt der Tiere*. Berlin, Verlag von Julius Springer, 1909. 226 p.

#### **ABOUT THE AUTHOR:**

Kolmogorova Anastasia Vladimirovna, Doctor of Philology, Full Professor, Head of the department of romance languages and applied linguistics

*Siberian Federal University,*

*82a Svobodny street, Krasnoyarsk 660041 Russia*

*E-mail: nastiakol@mail.ru*