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**Looming of Ecological toxinology**Yonghua Ji<sup>1</sup>, Zhirui Liu<sup>1</sup> and Maria Elena De Lima<sup>2</sup><sup>1</sup>Shanghai University, China<sup>2</sup>Universidade Federal de Minas Gerais, Brazil

Ecological protection and environmental management are key factors affecting the sustainable development of modern society. For years, with the rise of economy and technology worldwide, persistent and severe environmental problems have greatly influenced the human society in many aspects. Although efforts have been made to reduce the pollutants, it remains a substantial gap to be well understood and fulfilled. To these circumstances, we forward the study for a new discipline as “Ecological Toxinology” and a retrospective review on this topic is described here. By exemplifying the long-lasting influence and cause of several ecological disasters happened in past decades, originated from toxic pollutants, human activity, venomous species and deadly virus, an extensive social attention and cognition will hopefully be built for. Further, for academically perspective, this review will provide insights into some public concerns, such as the unexpected prevalence of SARS, transgenic food and beyond. Overall, by combining the ongoing advances in techniques, ways to make a reasonable use and control of these ecological bio-toxins will be approached, which may help to well balance the relationship of environment, human life and social development.

**Biography**

Yonghua Ji has his expertise in Neuropharmacology and Neurotoxicology, involved with membrane ion channels especially. He has completed his PhD in Biopharmaceutics from University of Shizuoka, Japan in 1994. He was a foreign visiting Scientist at Okazaki National Institute for Physiological Sciences, Japan, a CNRS fellow at Laboratoire de Biochimie, Faculté de Médecine Secteur Nord, Université d'Aix-Marseille II, France, a JSPS fellow at University of Shizuoka, Japan. He has been Professor of Shanghai University (2004-present) and Deputy Dean General, School of Life Science, Shanghai University (2004-2008). He is the current Secretary-General of Chinese Society for Neurosciences (2003-present) and a Standing Trustee of Biophysical Society of China (2002-present). He is also Executive Director of Chinese Society for Neurosciences and Associated Editor-In-Chief of *Journal Acta Physiologica Sinica*, Editor of *Journals Acta Biophysica Sinica and Chemistry of Life*, a Member of the Editorial Board of *Journal Neuroscience Bulletin*. He has published more than 180 papers either as first author or corresponding author in total.

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