

30 YEARS OF NANOSCIENCE AT BANAT UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE „King Mihai I of Romania” FROM TIMIȘOARA

1. Reflected in Different Publications

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Abstract. In a short retrospective this paper presents the results and the important findings in the researches regarding Magnetic-Nanocomposites utilization at Banat University of Sciences (Anton, et al., 1988, Butnaru and Roosz, 1988). The paper brings attention to a pioneering research in the nanomagnetic materials field. We are briefly presenting the results of NMPs involvement with the plant's organogenesis and animal health as well as the environment protection. The researchers focused on a lot of questions and opened new domains of study but throughout the obtained results suitable application were formulated. The work resumes the results of 160 scientific works made by 291 researchers from all the Faculties of our University. It points out the interest for different topics, the improvement of producing bio-nanomaterials, their utilization and the visible results reflected in different publications.

Keywords: 30 years of MNPs researches, publications, magnetic-nano materials, utilization.

Introduction

The staff of the Polytechnic University and the Romanian Academy, Timisoara Branch, developed a new class of materials of nano dimensions (Anton et al. 1977 and 1990). In the 1970s all over the world as well as in our country the perspective of their utilization was the industry. The idea of using them in biology was a utopia.

In our researches was introduced a new and particular topic the utilization of Romanian Nano-Materials in biology and agriculture, generally named now “agricultural nanotechnology”. About 10 years before our research (1959) Feynman mentioned: ...the biological example of writing information on a small scale has inspired me to think of something that should be possible. He understood how a “smaller organism” is capable to manage his energy for a better activity to survive in improper conditions. He has believed in.... “manipulating

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