

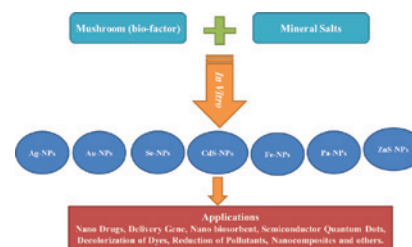
In this issue

Mustafa Nadhim Owaed and
Ibraheem Jaleel Ibraheem
**Mycosynthesis of nanoparticles
using edible and medicinal
mushrooms**

DOI 10.1515/ejnm-2016-0016
Eur. J. Nanomed. 2017; 9(1): 5–23

Review: The mixture of mushroom extract and mineral salts led to the biosynthesis of metallic nanoparticles such as Ag-NPs, Au-NPs, Se-NPs, etc. These have applications as nano-drugs, nano-biosorbents, semiconductor quantum dots, in the decolorization of dyes, the reduction of pollutants and other applications.

Keywords: biomedical applications; fungi; green biosynthesis; metallic nanoparticles; mushroom-NPs.

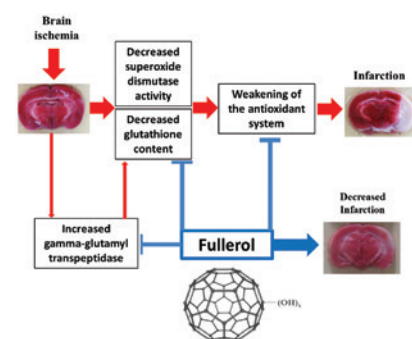


Shamsi Darabi and Mohammad Taghi
Mohammadi
**Fullerol potentiates the brain anti-
oxidant defense system and decreases
 γ -glutamyl transpeptidase (GGT)
mRNA during cerebral ischemia/
reperfusion injury**

DOI 10.1515/ejnm-2016-0024
Eur. J. Nanomed. 2017; 9(1): 25–32

Original Article: Fullerol nanoparticles prevent the increasing of γ -glutamyl transpeptidase expression and weakening of the brain antioxidant defense system during cerebral ischemia/reperfusion injury, and ultimately, decrease the brain infarction.

Keywords: antioxidant system; catalase; fullerol; ischemic stroke; γ -glutamyl transpeptidase.



Olga Shydlovska, Nadiya Zholobak,
Svitlana Dybkova, Sergej Osinsky,
Larissa Bubnovskaya, Oleksandr
Yelenich, Sergii Solopan and Anatolii
Belous
**Synthesis and comparative charac-
teristics of biological activities of
(La, Sr)MnO₃ and Fe₃O₄ nanoparticles**

DOI 10.1515/ejnm-2016-0028
Eur. J. Nanomed. 2017; 9(1): 33–43

Original Article: This paper investigates the development of biocompatible, ferromagnetic nanoparticles that are able to be heated to the desired temperature under an alternating magnetic field are effective inducers of cancer hyperthermia.

Keywords: antiviral activity; ferromagnetic nanoparticles; genotoxicity; hyperthermia; magnetic fluid.

