We continue inform about our Advanced FULLERENES Products which will be important for Scientific & Industrial Application and please see information (incl. ARTICLES and References) regarding EndoMetalloFullerene Gd@C82 having a great Business Potential, f.e. ARTICLES where were used Our Company FULLERENES Materials (very important Article concerning of the Practical Application of Gd@C82 in the Neutron Capture Therapy - please see details Below) and also the Article describing an effective Application of Gd@C82 compound in MATERIALS SCIENCE (As a New Paramagnetic Material):

**BIO - MEDICINE**

**Neutron Capture Therapy**

"Gd@C82 MetalloFullerene for Neutron Capture Therapy - Fullerene Solubilization by PEG-b-PAMA and resultant Efficacy in Vitro" - Y.Horiguchi et al.

(see ATTACHMENT, where successfully was used Gd@C82 from our Company "MTR Ltd.")

and please pay attention that Gd@C82 was easily dissolved in Water in the presence of PEG-b-PAMA and then this Complex by using the Neutron Irradiation of cultured Cells showed a very Effective Cytotoxicity, confirming a potentially valuable approach to Gd-based Neutron Capture Therapy

(In our ATTACHMENT you can find the Abstract and also a full Text of this important ARTICLE).

Also, we would like to note that Gd@C82 Derivatives such as Gd@C82(OH)n & Gd@C82 are Water Soluble Derivatives and they can be successfully used as an effective MRI Contrast Agents & Anti-Oxidants & Cancer Therapy Agents etc. etc.

**A New MRI (Magnetic Resonance Imaging) Contrast Agents**

"Adaption of the structure of Carbon NanoHybrids toward High-Relaxivity for a New MRI contrast Agent"

J.Li et al. "RSC Advances", 6, 58028-33, 2016

{Gd@C₈₂ - Gadolinium (Gd) Endohedral MetalloFullerenes: GadoFullerenes as an Effective Magnetic Materials} - please see ATTACHMENT with important Resume that prepared paramagnetic Fibers and Films of the Gd@C₈₂-Complexes can be successfully used as a New Magnetic Materials

Cancer Therapy Agents

"Biological Characterization of [Gd@C₈₂(OH)₂]ₙ NanoParticles as Fullerene Derivatives for Cancer Therapy", Meng et al., "Integr. Biol (Camb)", 2013, 5(1), 43-47

High-Efficient ANTI-OXIDANTS

"Gd@C₈₂/(Ethylenediamine)₈ NanoParticle: A New High-Efficient Water Soluble ROS Scavenger" Li et al., "ACS Appl. Mater. Interfaces", 8(39), 25770-76, 2016

ORGANIC PHOTO-VOLTAICS

"A Novel Organic Electrical Memory Device based on the MetalloFullerene-grafted Polymer Gd@C₈₂ - PVK"

Yue et al. "Organic Electronics, 15(12), 2014, 3482-86

For each Order we attach the SET of precision Analytical Data, including Mass Spectrometry & UV-VIS-NIR Spectroscopy Analysis.