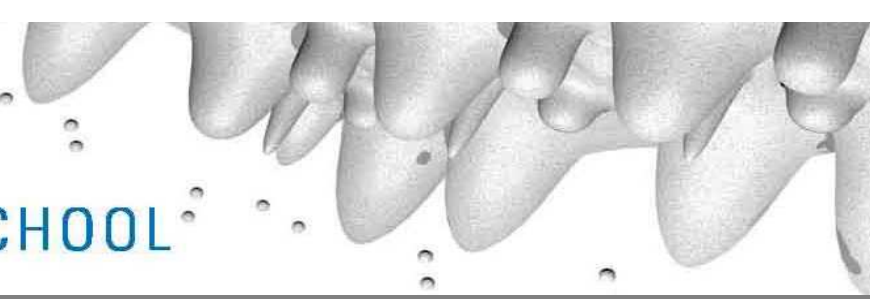


MEDNARODNA
PODIPLOMSKA ŠOLA
JOŽEFA STEFANA

JOŽEF STEFAN
INTERNATIONAL
POSTGRADUATE SCHOOL



Vojka Žunič
Study programme : Nanosciences
and Nanotechnologies, 1.year
Supervisor : **S.D. Škapin**



Marija Vukomanović
Study programme : Nanosciences
and Nanotechnologies, 2.year
Supervisor : **S.D. Škapin**



Ines Bračko
Study programme : Nanosciences
and Nanotechnologies, 4.year
Supervisor : **D. Suvorov**



Mojca Otoničar
Study programme : Nanosciences
and Nanotechnologies, 3.year
Supervisor : **S. D. Škapin**

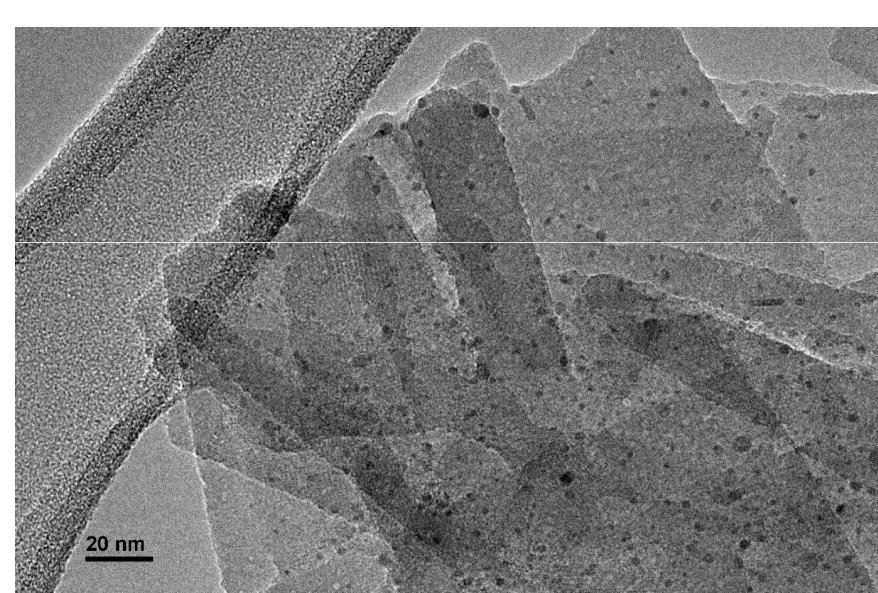


Tina Šetinc
Study programme : Nanosciences
and Nanotechnologies, 2.year
Supervisor : **D. Suvorov**

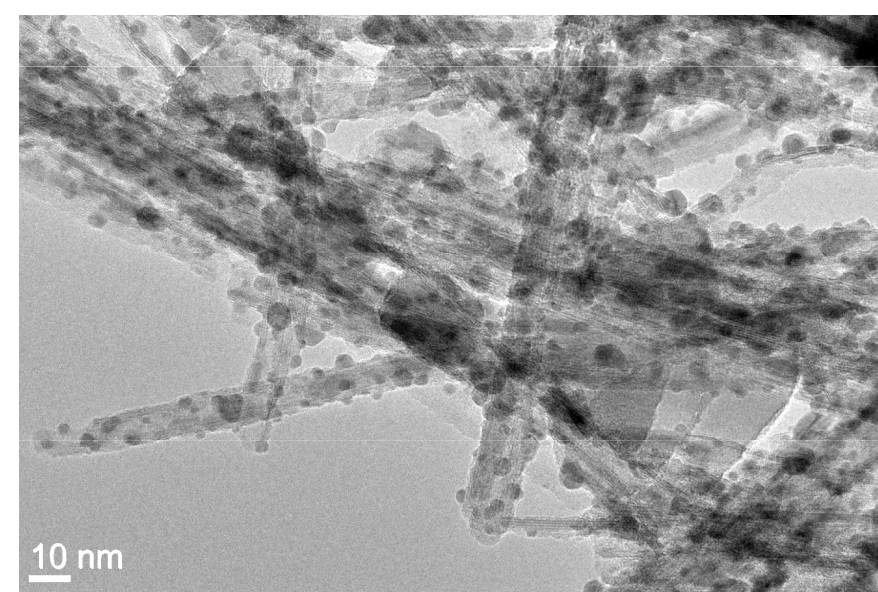
Ph. D. Students at Advanced Materials Department

Development of Materials for Industrial Applications

Materials Research



**Silver/hydroxyapatite
composite particles**

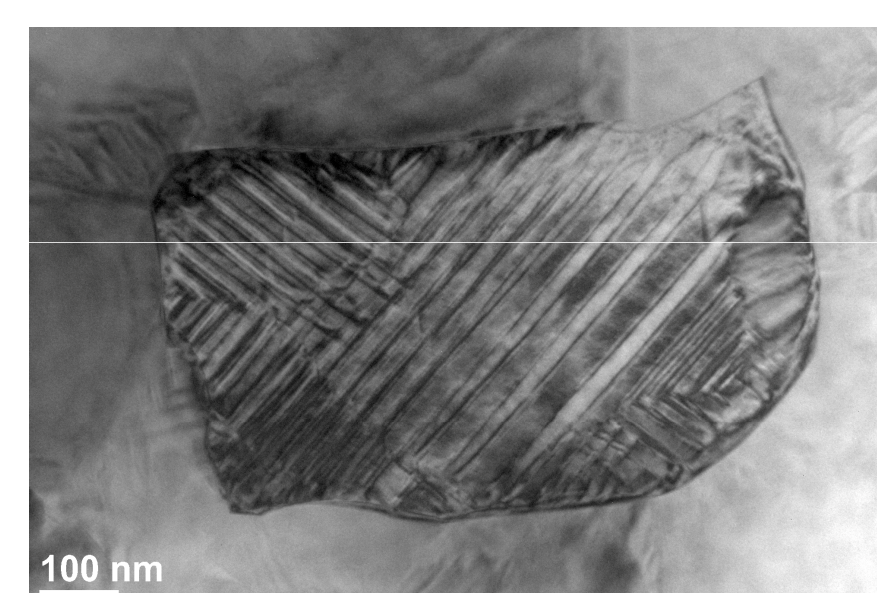


**Ag/titanate nanotubes
composite**

Photocatalytic
and
Biomedical
Materials

**ADVANCED
MATERIALS**

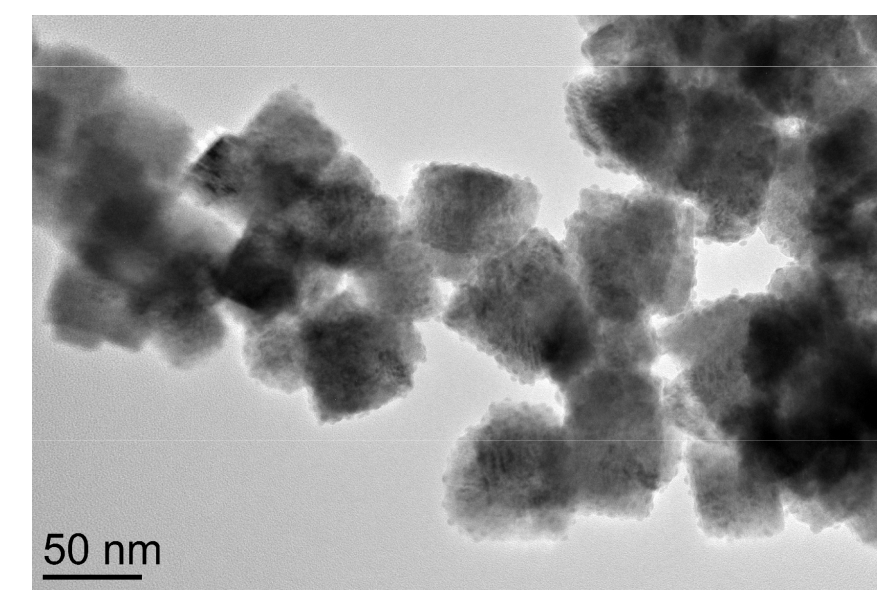
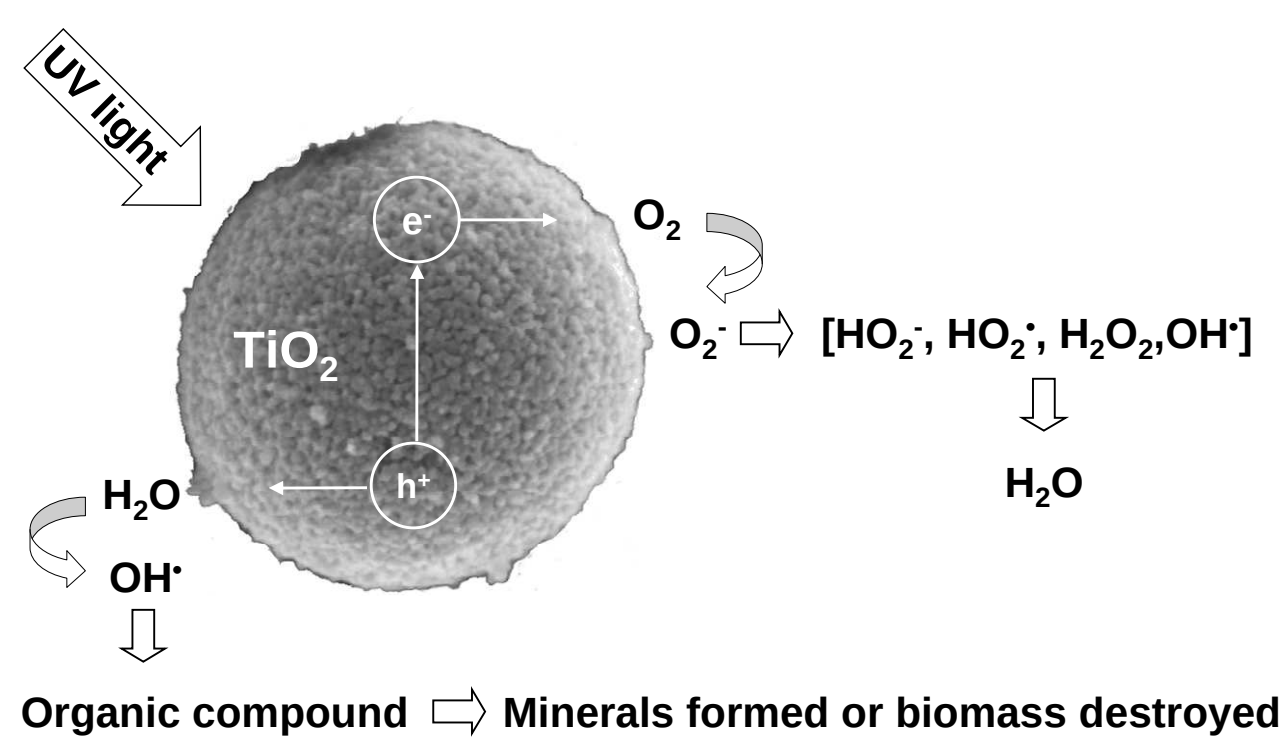
Electroceramics:
Relaxores
and
Piezomaterials



**Domain structure in
 $\text{Na}_{0.4}\text{K}_{0.1}\text{Bi}_{0.5}\text{TiO}_3$ ceramics**

TiO_2 nanoparticles

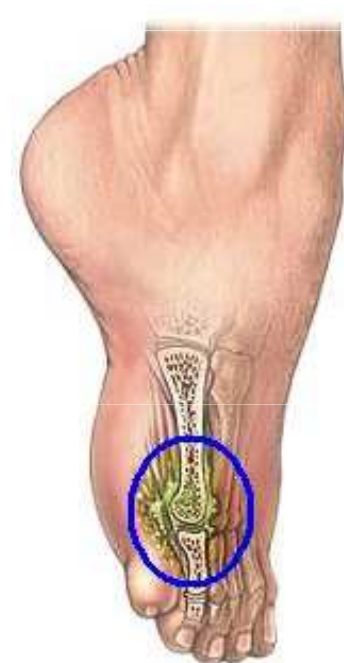
Photocatalytic reaction



**Sodium bismuth titanate
nanoparticles**

Applications & Perspectives

APPLICATION OF ADVANCED MATERIALS



Implant fillers or
coating
against
bone infections

**Biomedical, Photocatalytic Applications
&
Electrical Components**

Piezoelectric
transducers



Antibacterial
coatings



Piezoelectric
motors



Tunable
capacitor