

CURRICULUM VITAE

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EDUCATION

- Ph.D. in Physics, University of York, UK (2016)
- M.Sc. in "Nanoscience and Functional nanomaterials", Bristol Centre for Functional Nanomaterials, University of Bristol, UK (2012)
- Diploma in Chemical Engineering, Aristoteleion University of Thessaloniki, Greece (2009)

PROFESSIONAL EXPERIENCE AND APPOINTMENTS

10/2016 – 12/2017: Post-Doctoral Researcher, Interface Geochemistry group, German Centre for Geosciences (GFZ), Helmholtz Institute, Potsdam, Germany

08/2018 – present: Post-Doctoral Researcher, Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Greece

MAIN RESEARCH INTERESTS

- Synthesis of tellurite based glasses – Thermal poling of glasses
- Characterization of crystalline (minerals) and amorphous materials (glass) via means of vibrational spectroscopy (Raman, IR reflectance/transmittance, ATR) and electronic spectroscopy (UV-Vis absorption)

EXTERNAL FUNDING

- Participant in “Vibrational spectroscopy of materials” (NSRF 2014-2020 action Εθνική υποδομή “Nanotechnology, Advanced materials and micro/nano electronics – ”, project code: 5002772).

PROFESSIONAL AFFILIATIONS & ACTIVITIES

- Member of the Technical Chamber of Greece

AWARDS AND DISTINCTIONS

- The article “A unique engraved shale pendant from the site of Star Carr: the oldest Mesolithic art in Britain” picked up the best Archaeological Innovation Award at the British Archaeological Awards in 2016.

CONFERENCES & PUBLICATIONS

7 international and European conferences, 6 peer-reviewed publications.

PUBLICATIONS

1. **Chatzipanagis K.**, Baumann C., Sprio S., Sandri M., Tampieri A., and Kröger R. *In situ* mechanical and molecular structural investigations of collagen-apatite biomimetic composites combining Raman spectroscopy and stress-strain analysis. *Acta Biomaterialia*, **(46)**, 278-285, 2016.

2. **Chatzipanagis K.**, Iafisco Michele., Roncal-Herrero T., Bilton M., Tampieri A., Kröger R., and Delgado Lopez J.M. Crystallization of citrate-stabilized amorphous calcium phosphate to nano-crystalline apatite: a surface-mediated transformation. *CrystEngComm*, **(18)**, 3170-3173, 2016.

3. Milner N., Bamforth M., Beale G., Carty C.J., **Chatzipanagis K.**, Croft S., Coneller C., Elliot B., Fitton L.C., Knight B., Kröger R., Little A., Needham A., Robson H.K., Rowley C.C.A., and Taylor B. A unique engraved shale pendant from the site of Star Carr: the oldest Mesolithic art in Britain. 2016, *Internet Archaeology* 40. <http://dx.doi.org/10.11141/ia.40.8>.

4. Adamiano A., Sangiorgi N., Sprio S., Ruffini A., Sandri M., Sanson A., Gras P., Grossin D., Francès., **Chatzipanagis K.**, Bilton M., Marzec B., Varesano A., Meldrum F., Kröger R., and Tampieri A. Biomineralization of a titanium-doped hydroxyapatite semiconductor on conductive wool fibers. *Journal of Materials Chemistry B*, **(5)**, 7608-7621, 2017.

5. Lamb K., Dowsett M R., **Chatzipanagis K.**, Wei-Scullion Z., Kröger R., Lee J., Aguiar P M., North M., Parkin A. Capacitance assisted sustainable electrochemical carbon dioxide mineralisation. *ChemSusChem*, **(11)**, 137-148, 2018.

6. Croft S., **Chatzipanagis K.**, Kröger R and Milner N. Misleading residues on lithics from Star Carr: identification with Raman micro-spectroscopy. *Journal of Archaeological Science: Reports*, **(19)**, 430-438, 2018.