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Laboratoire de Cristallographie et Sciences des Matériaux (CRISMAT)
Ecole Nationale Supérieure d'Ingénieurs de Caen (ENSICAEN)
Institut Universitaire de Technologie (IUT)
Université de Caen Basse-Normandie

Dear Prof. D. Chateigner,

I would like to express my interest with respect to the postdoctoral position in ray scattering (X-ray diffraction and Fluorescence, Raman and IR spectroscopies) and Open Databases within the European Community call H2020 (SC5-2015 program on Raw Materials) at CRISMAT laboratory.

I am a Metallurgical Engineer and have undertaken Postgraduate Research Studies. In particular, I have studied Mining - Metallurgical Engineering, a five-year course (ten semesters; five years is the minimum period for obtaining the undergraduate Engineering degree), with the specialisation of a Metallurgist, at the corresponding Department of the National Technical University of Athens - Greece. My undergraduate Research Diploma Thesis concerned the '*Study of Bioceramics for dental applications*' and was elaborated at CERECO SA (<http://www.cereco.gr/en/html/cereco.html>), a Research Centre for Ceramics and Refractories located in Chalkida - Greece.

Moreover, I have been awarded a 'Teknologie Licentiat' degree from 'The Royal Institute of Technology' in Stockholm - Sweden. My research project was performed in collaboration with the 'R&D Dept of Degussa', Frankfurt - Germany and concerned the '*Study of ceria metals doped compounds*' in order to enhance their oxygen storage capacity and thermal stability for catalytic applications. Part of the experimental work has been performed at the premises of the aforementioned Research centre and at National Brookhaven Laboratory (EXAFS) in the USA.

Additionally, I have been awarded a PhD degree from the Chemistry Department, University of Crete - Greece. This work was mainly carried out at the Foundation for Research and Technology - Hellas (FORTH), Institute of Electronic Structure and Laser (IESL)

located in Heraklio, Crete - Greece. However, a large part of that research work has also been performed at Large scale facility Centres –such as ESRF in France, NIST in the USA and RAL in the UK– for the collection of experimental data on the crystal and magnetic structure of the compounds, that I had before synthesised in the lab.

In the frameworks of my Studies, I have worked research-wise on: ‘Designing - Developing - Evaluating the performance of Advanced technological products’. The goal has always been to comprehend the correlation mechanisms of these parameters. Concretely, I have experience on materials synthesis under strictly controlled conditions at the laboratory. Afterwards, I have characterised these compounds with a wide range of techniques, regarding their physicochemical properties (e.g., chemical composition, microscopy, optical spectroscopy, crystallographic constitutes, mechanical properties, hardness).

Particularly, in the context of my PhD work (*‘Study on mesoporous, mixed valence, transition metal oxides: Synthesis –Structure – Properties’*), emphasis has been given on the Crystal Structure Analysis of these compounds. The structural analysis has been performed via Synchrotron radiation at ESRF / Grenoble. I have collected myself the data there and analysed it afterwards with the Rietveld method, in order to study the temperature evolution of the lattice parameters, the bond distances and lengths, the atoms coordinates and the Stresses that were developed among the atoms. The last has been elaborated, employing the Stephens’ formalism. In the end, we have achieved to correlate the structure of these compounds with their macroscopic physicochemical properties and performance, and comprehend their mechanisms.

Eventually through my both under- and post-graduate Studies, I have developed my ability to work as an independent Researcher. Additionally, I have good interpersonal skills and capabilities to work in a group, given that I have worked at several multicultural research groups in various countries for several years. Moreover, I possess an excellent command of English -while I am prone to learning new languages.

Thank you for your time and consideration. Looking forward to hearing from you soon.

Sincerely yours,

Othon ADAMOPOULOS, Dr Engineer

List of Referees

#	Name, e-mail, affiliation	Relationship with the Referee
1.	<p>Prof. Evangelos FOUNTOUKIDIS, efoud@teipir.gr Department of Mechanical Engineering; Piraeus University of Applied Sciences (TEI of Piraeus), Athens - Greece http://ikaros.teipir.gr/phyche/Staff/efoud/CV_english.pdf</p>	<p>During the last two semesters (2014b and 2015b) I have worked as a Lecturer at his Laboratory, teaching Theory and supervising laboratory exercises for undergraduate students ('Chemical Technology' for Mechanical Engineer students, 'Environmental Chemistry' for Civil Engineer students).</p>
2.	<p>Manager Director, Mr Panagiotis KANAKOPOULOS, Mechanical Engineer grammateia@iek-ag-anarg.att.sch.gr Public Institute of Vocational Training, Attica Prefecture - Agii Anargiri City, Sokratous & Pavlou Mela 1, Kamatero - Athens 13451 http://iek-ag-anarg.att.sch.gr/</p>	<p>During the last years I have worked as an Instructor at the Public Vocational Training Institute, where he acts as a General Manager. I have taught various subjects; (e.g., theory and lab of Analytical Chemistry I and II, Materials Technology, General Chemistry) for various specializations (e.g., Technician of Decoration, Pharmacy Assistant, Hair dresser, Aesthetics - Makeup).</p>
3.	<p>Prof. Sofia Kalogeropoulou, skalog@teipir.gr Department of Electrical Engineering; Piraeus University of Applied Sciences (TEI of Piraeus), Athens - Greece http://ikaros.teipir.gr/phyche/Staff/skalog/CV_english.pdf</p>	<p>During the last semester (2015a) I have worked as a Lecturer at her Laboratory, supervising laboratory exercises for undergraduate students ('Electrochemistry' for Electrical Engineer students).</p>