Information to be requested from all CA17104 participants:

	
Indicate your Working Group(s) in COST Action17104:	**Working Grooup 2 (WG2)** **Synthesis and nanodelivery strategies for new therapeutic tools against MDR tumours**
First Name:	**SOTIRIS**
Surname:	**HADJIKAKOU**
Department	**Department of Chemistry,**
Primary Institution	**University of Ioannina, GREECE (https://www.uoi.gr/)**
Address of Primary Institution	**Univeristy of Ioannina, Deparmtend of Chemistry, Biological Inorganic Chemistry Laboratory (BICL), 45110 Ioannina, Greece**
Other institutions	**Institute of Materials Science and Computing, University of Ioannina, Greece**
Telephone:	**x30 26510 08374, x30 26510 08362**
e-mail:	**shadjika@uoi.gr**
Link to webpage with biography:	*http://users.uoi.gr/shadjika/Hadjikakou_1/Hadjikakou_01.htm*
Link to webpage with group	***http://users.uoi.gr/shadjika/Hadjikakou_1/Hadjikakou_01.htm***

description:	

Orcid ID or Scopus ID	Orcid ID: 0000-0001-9556-6266 Scopus ID: 6602925165
Linkedin	
Expertise relevant for this COST Action:	**Research Interest** •The Discovery and development of new therapeutic anticancer agents; •The Conjugation of Metals with Drugs (CoMeDs) against cancer cells or microbes •The synthesis of Small Bioactive Molecules (SBaMs) against cancer cells or microbial cultures •The study of the binding affinity of CoMeDs or SMaMs to biological targets (DNA, enzymes, lipinds) which modulates cell's function •Synthesis and characterization of nanomaterials with biological interest, the inoculation of new small bioactive molecules or modified drugs into micelles and liposomes in order to increase their bioactivity.
Available facilities to conduct work, relevant for this COST Action:	The Biological Inorganic Chemistry Laboratory of the University of Ioannina-Greece has the essential equipment for the synthesis and characterization of new compounds. These include: • FT-IR, UV-Vis and Fluorescence spectrophotometer • Cryoscope for MW determination, • Elemental analyzer (C,H,N.S), • Viscometer for DNA experiments • Conductimeter for micelles • Stereoscope for single crystals, Polar light microscope • Thermostatically controlled water-baths, • All equipments and instruments for the synthesis under inert condition (vacuum lines, inert gas, Schlenk glass, glove bag etc). The infrastructure for the biological inorganic chemistry experiments include • Laminar flow cabinet biosafety class I for microbes, • Laminar flow cabinet biosafety class II for cells

	• CO2 incubator for cells, • Incubator for microbes, • Elisa • Phase contrast microscope • Fluorescence microscope • Gel Electrophoresis Equipment and Transilluminators • Automated Climate Control System (Light, Temperature, Humidity) • Aquarium for Artemia salina larvae hatching • Refrigerators, Freezer -80 ^{o}C. The staff of the Biological Inorganic Chemistry Laboratory have access to Departmental • Single and Powder X-Ray diffractometers, • NMR 500, 400 and 250 MHz, • ESI-MS, HRMS • Flow cytometer • XRF spectrometer
Matherials/Methods that could be shared with other members of this COST Action:	• Synthesis and characterizations of new bioactive agents • Syntheis and characterizations of micelles, hydrogels, liposomes, etc of bioactive agents • Normal and Cancer cells caltures, cells lines

NOTE: By submitting this form to the Grant Manager of CA17104, I agree that this information can be used within the scope of this COST Action (e.g. may be included on the webpage of CA17104).