

## PERSONAL INFORMATION



Name **ALESSIO ADAMIANO**  
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Nationality Italian  
Place of birth Napoli  
Date of birth 23/06/1984

## WORK EXPERIENCE

- 1• Dates** 02/11/2016-ONGOING  
• Name and address of employer CNR-ISTEC (Italian national research council – Faenza)  
• Type of business or sector Research  
• Occupation or position held RESEARCH FELLOW  
• Main activities and responsibilities Synthesis of calcium phosphate nanoparticles for application in regenerative medicine and theranostic
- 2• Dates** 15/04/2014-15/04/2016  
• Name and address of employer CNR-ISTEC (Italian national research council – Faenza)  
• Type of business or sector Research  
• Occupation or position held SENIOR POST DOCTORAL RESEARCHER  
• Main activities and responsibilities Development of bio-inspired synthesis of smart materials and multifunctional devices for applications in regenerative medicine
- 3• Dates** 15/04/2013-15/04/2014  
• Name and address of employer CNR-ISTEC (Italian national research council – Faenza)  
• Type of business or sector Research  
• Occupation or position held POST DOCTORAL RESEARCHER

- Main activities and responsibilities Development and characterization of inorganic nano-materials for biomedical applications
- 4• Dates 01/04/2012 – 01/04/2013
- Name and address of employer Department of Chemistry “G.Ciamician”, University of Bologna
- Type of business or sector Research
- Occupation or position held POST DOCTORAL RESEARCHER
- Main activities and responsibilities Structural study on the skeleton protein of corals, Galaxin.

#### **EDUCATION AND TRAINING**

- Dates 2009-2012
- Name and address of employer C.I.R.S.A, Interdepartmental Center of Research for Environmental Sciences, University of Bologna
- Type of business or sector Research area
- Occupation or position held PHD STUDENT
- Main activities and responsibilities Development of analytical methods in analytical pyrolysis for the characterization of proteinaceous materials
- Title of qualification awarded Ph. Doctor
- Dates 2006-2008
- Name and type of organisation providing education and training Environmental Sciences second level school, Bologna University, Ravenna, Italy
- Principal subjects/occupational skills covered Thesis project in Analytical Chemistry: “Characterisation of fast-pyrolysis bio-oil obtained from energy crops”
- Title of qualification awarded Master degree (second level degree), final grade 110/110 *cum laude*
- Dates 2002-2006
- Name and type of organisation providing education and training Environmental Sciences first level school, La Sapienza University, Rome, Italy
- Principal subjects/occupational skills covered Thesis project in geochemistry: “Environmental impact assessment of geothermal fields on the Mount Amiata – Tuscany (Italy)”.
- Title of qualification awarded First level degree, final grade 110/110

#### **PERSONAL SKILLS AND COMPETENCES.**

MOTHER TONGUE	<b>Italian</b>
OTHER LANGUAGES	<p><b>English</b></p> <ul style="list-style-type: none"> <li>• Reading skills      Excellent level</li> <li>• Writing skills      Excellent level</li> <li>• Verbal skills      Excellent level</li> </ul>
TUTORING	<ul style="list-style-type: none"> <li>• Teaching experience: Laboratory tutoring for Environmental Science and Technology of Restoration and Conservation of Cultural Heritage at the University of Bologna, Ravenna CAMPUS, from 2010 to 2012.</li> </ul>
ABROAD EXPERIENCES	<ul style="list-style-type: none"> <li>• Three months stage in a French lab group (UPM-CNRS, Paris, France), working within different research areas, under the supervision of Prof. Sylvie Derenne in 2011.</li> <li>• Three weeks stage in the INPT-CIRIMAT group (UMR-CNRS, Toulouse, France), working in the framework of the Franco Italian project “Galileo” on apatite nanoparticles for cancer therapy, under the supervision of Dr. Cristophe Drouet, in 2013.</li> </ul>
EXPERIENCE IN NATIONAL AND INTERNATIONAL PROJECTS	<ul style="list-style-type: none"> <li>• From 2015 to 2016, working in the framework of CNR Flagship Project “Nanomax” – miRnano (PNR-CNR 2011-2015) Face up Cardiac Hypertrophy via micro-RNA carried by Electrically Charged Nanoparticles Nanomax, on the synthesis and characterization of hydroxyapatite magnetic nanoparticles.</li> <li>• From 2012 to 2013, working in the framework of the of CORALWARM (FP7/2007-2013, agreement n° 249930) on the effect of protein on the mineralization of calcite in Mediterranean corals.</li> <li>• From 2013 to 2015, working in the framework of NANOREG (FP7/2007-2013, agreement n° 310584) aimed to the development of common protocols for nanomaterials testing, in WP2 on the establishment and recommendation on SOPs for analyzing the size-distribution and volume-specific surface area of manufactured nanomaterials in powders and complex viscous matrices.</li> <li>• From 2013 to 2016, working in the framework of SMILEY (NMP-2012-SMALL, agreement n° 310637) on the synthesis and characterization of multisubstituted apatite and biomineralization process for the development of materials for fabric integrated photovoltaics (FIP).</li> <li>• Since 2016 working in the CUPIDO project (Horizon 2020-RIA-agreement n° 720834) on the development of inhalable magnetic calcium phosphate-based nanoparticles for the regenerative therapy of the heart.</li> </ul>
TECHNICAL REPORTS	<ul style="list-style-type: none"> <li>• Contract for research and laboratory activity – Final Report. Title of</li> </ul>

the report: Analisi del diametro idrodinamico medio di nanoparticelle di idrossiapatite in dispersioni acquose. N. protocollo N.0001685 date 03/07/2014

- Contract for research and laboratory activity – Final Report. Title of the report: Analisi dimensionale di campioni solidi in sospensione acquosa tramite DLS. N. protocollo N.0002647 date 02/12/2015.
- Contract for research and laboratory activity – Final Report. Title of the report: Analisi dimensionale di campioni solidi in sospensione acquosa tramite DLS. N. protocollo N.0002753 date 18/12/2015.

#### ADDITIONAL COMPETENCES

- Stage in “Identification of asbestos fibers by light microscopy”.
- Participate at the Pier Giorgio Merli TEM School held in the CNR Research Area of Bologna on November 2014.
- Grant of 26,352.00 Euro to the XAFS beamline of the ELETTRA Synchrotron (Basovizza, Italy) with a project entitled “XAFS analysis of novel superparamagnetic materials for nanomedicine”.

#### TECHNICAL/PRACTICAL SKILLS AND COMPETENCES

- Chemical lab expertise : vapor diffusion crystallization; optical and confocal microscopy; magnetic characterization; hyperthermia evaluation under magnetic fields; drug release; Infrared spectroscopy (FT-IR); Inductive coupled plasma atomic emission spectroscopy (ICP-AES); X-ray diffractometry (XRD); Scanning Electron Microscopy (SEM); Transmission Electron Microscopy (TEM); Dynamic light scattering (DLS) and zeta-sizer; circular dichroism; GC/LC-MS analysis; elemental analysis (CHNS); thermogravimetric analysis (DSC and TGA); SDS-Page and Western Blot for peptides analysis; wet precipitation of hydroxyapatite; synthesis of doped hydroxyapatite; synthesis of hydroxyapatite nanoparticles; synthesis of mesoporous materials; bioactivity test in fetal bovine serum (FBS); analysis of organic pollutants; thermochemical conversion of biomass; proteins chemistry; chemical characterizations of natural organic matrix; development of micro-analytical methods for bio-oil characterization; solid phase micro-extraction; fatty acids analysis; bio-oil fractionation methods; identification of organic compounds from mass spectra interpretation; characterization of thermal degradation products of proteins.
- Data treatment expertise: using statistical software, Excel, Matlab (ANOVA/MANOVA, Bioinformatic, Wavelet and PCA toolboxes), WinCoot. Xpert, Origin.
- Informatics expertise : Windows.
- Bibliographic research expertise: using scientific data banks, End Note, Mendeley

#### FORMAL RESPONSIBILITY ASSIGNMENT

- Substitute / Responsible of Synthesis Laboratory ( L11 ) at Istituto di Scienza e Tecnologia dei Materiali Ceramici (ISTEC) – CNR of Faenza from 14/04/2015 to 01/04/2016. (N. protocol N.0000921-ISTEC-CNR)

- Tutoring of “LM Science for the conservation/restoration on cultural heritage” of analytical chemistry laboratory at University of Bologna. (BANDO Prot. n. 601\_10 Titolo VII Class 12 File 10\_2010 date 10/09/2010)
- Tutoring of “L. Tecnologie per la Conservazione e il Restauro” of chemistry of cultural heritage conservation laboratory at University of Bologna. (BANDO Prot. n. 444\_11 Titolo VII Classe 12 Fascicolo 18\_2011 data 01/09/2011)
- Tutoring of “L.M. Science for the Conservation - Restoration of cultural heritage” of Analytical chemistry of organic materials laboratory at University of Bologna. (BANDO Prot. n. 554\_11 Titolo VII Classe 12 Fascicolo 23\_2011 data 10/10/2011).
- Chairman of the session “Soft Tissue Applications and Delivery of Therapeutics” at *Bioceramics 28 – Charlotte (US)* October 19<sup>th</sup> **2016**.
- Chairman of the session “Smart surfaces and functionalization” at *Materials.it – Catania*, December 12<sup>th</sup> 2016.
- Chairman of the session “Nanobiocomposites for in-vitro diagnostics and targeted drug” at *Materials.it – Catania*, December 14<sup>th</sup> 2016.

#### EXPERIENCE IN EUROPEAN PROJECTS

- CoralWarm. Amount of the funding for the operational unit: 1.000.000,00 € Responsibilities: Corals organic matrix analysis. Writing and reporting of technical reports. Date of activity from 01/04/2012 to 01/04/2013
- SMILEY. Amount of the funding for the operational unit: 1.417.360,00 € Responsibilities: Synthesis and characterization of multi-substituted hydroxyapatite/Biomineralization Process/ Writing of Advancement Report/ Presentation at the project meetings and workshop. Date of activity from 19/11/2012 al 30/11/2015
- Flag Project - NanoMax. Amount of the funding for the operational unit: 150.562,50 € Responsibilities: Synthesis and characterization of substituted magnetic characterization.
- NanoReg. Amount of the funding for the operational unit: 75.524,90 € Responsibilities: Definition of the experimental parameters for the regulation of nanoparticles size / Identification of Standard Operating Procedure / Writing of technical reports / Oral presentation at project meetings.
- CUPIDO project. Amount of the funding for the operational unit: Responsibilities: Incorporation and decoration of nanoparticles with bioactive molecules (e.g. miRNA, peptides, aptamers, etc.) / Identification of Standard Operating Procedure / Writing of technical reports / Oral presentation at project meetings.

#### TECHNICAL REPORTS

- Contract for research and laboratory activity – Final Report. Title of the report: Analisi del diametro idrodinamico medio di nanoparticelle di idrossiapatite in dispersioni acquose. N. protocollo N.0001685 date 03/07/2014

- Contract for research and laboratory activity – Final Report. Title of the report: Analisi dimensionale di campioni solidi in sospensione acquosa tramite DLS. N. protocollo N.0002647 date 02/12/2015.
- Contract for research and laboratory activity – Final Report. Title of the report: Analisi dimensionale di campioni solidi in sospensione acquosa tramite DLS. N. protocollo N.0002753 date 18/12/2015.

REPORTS

- Contract for research and laboratory activity – Final Report. Title of the report: Analisi del diametro idrodinamico medio di nanoparticelle di idrossiapatite in dispersioni acquose. N. protocollo N.0001685 date 03/07/2014
- Contract for research and laboratory activity – Final Report. Title of the report: Analisi dimensionale di campioni solidi in sospensione acquosa tramite DLS. N. protocollo N.0002647 date 02/12/2015.
- Contract for research and laboratory activity – Final Report. Title of the report: Analisi dimensionale di campioni solidi in sospensione acquosa tramite DLS. N. protocollo N.0002753 date 18/12/2015.

**Publications:**

**PAPERS**

1. D. Fabbri, **A. Adamiano**, C.Torri. GC-MS determination of polycyclic aromatic compounds evolved from pyrolysis of biomass, *Analytical and Bioanalytical Chemistry* 397 (2010), 309–317.
2. C.Torri, **A. Adamiano**, D. Fabbri, C. Lindfors, A. Monti, A. Oasmaa. *Comparative Analysis of Pyrolysate from Herbaceous and Woody Energy Crops by Py-GC-ICP-AED and off-line Py/GC-MS*. J. Anal. Appl. Pyrolysis 88 (2010), 175–180.
3. C. Torri, C. Samorì, **A. Adamiano**, D. Fabbri, C. Faraloni, G. Torzillo, Preliminary investigation on the production of fuels and bio-char from *Chlamydomonas reinhardtii* biomass residue after bio-hydrogen production. *Bioresource Technology* 102 (2011) 8707-8713.
4. D. Fabbri, **A. Adamiano**, G. Falini, R. De Marco, I. Mancini, Analytical pyrolysis of dipeptides containing proline and amino acids with polar side chains. Novel 2,5-diketopiperazine markers in the pyrolysates of proteins. *Journal of Analytical and Applied Pyrolysis* 95 (2012) 145–155.
5. M. Cordella, C. Torri, **A. Adamiano**, D. Fabbri, F. Baron, V. Cozzani, Bio-oils from biomass slow pyrolysis: A chemical and toxicological screening. *Journal of Hazardous Materials* 231–232 (2012) 26– 35.
6. **A. Adamiano**, S. Bonacchi, N. Calonghi, D. Fabbri, G. Falini et al., Structural changes in a protein fragment from abalone shell during calcium carbonate precipitation. *Chemistry - A European Journal* 18 (2012) 14367-14374.
7. **A. Adamiano**, D. Fabbri, G. Falini, M.G. Belcastro, A complementary approach using analytical pyrolysis to evaluate collagen degradation and mineral fossilization in archaeological bones. The case study of Vicenne-Campochiaro necropolis (Italy). *Journal of Analytical and Applied Pyrolysis* 100 (2013) 173–180.
8. M. Iafisco, A. Ruffini, **A. Adamiano**, S. Sprio, A. Tampieri, Biomimetic magnesium-carbonate-apatite nanocrystals endowed with strontium ions as anti-osteoporotic trigger. *Materials Science and Engineering: C* 35 (2014) 212-219.
9. M. Montesi, S. Panseri, S. Cepollaro, M. Iafisco, **A. Adamiano**, A. Tampieri, In vitro study of the synergistic effect of hydroxyapatite nanoparticles and lactoferrin in bone

homeostasis. *Journal of tissue engineering and regenerative medicine*. 8 (2014) 223 -224.

10. **A. Adamiano**, S. Goffredo, Z. Dubinsky, O. Levi, S. Fermani, D. Fabbri, G. Falini, Analytical pyrolysis-based study on intra-skeletal organic matrices from Mediterranean corals. *Analytical and Bioanalytical Chemistry* 406 (2014) 6021-6033.
11. M. Montesi, S. Panseri, M. Iafisco, **A. Adamiano**, A. Tampieri, Effect of hydroxyapatite nanocrystals functionalized with lactoferrin in osteogenic differentiation of mesenchymal stem cells. *Journal of Biomedical Materials Research: Part A* 103 (2015) 224-234.
12. **A. Adamiano**, I.G. Lesci, D. Fabbri, N. Roveri. Adsorption of bovine serum albumin onto synthetic Fe-doped geomimetic chrysotile. *Journal of The Royal Society Interface* 12 (2015) 20150186.
13. M. Montesi, S. Panseri, M. Iafisco, **A. Adamiano**, A. Tampieri, Coupling Hydroxyapatite Nanocrystals with Lactoferrin as a Promising Strategy to Fine Regulate Bone Homeostasis. *PloS one* 10 (2015) e0132633.
14. S. Sprio, M. Sandri, M. Iafisco, S. Panseri, **A. Adamiano**, M. Montesi, E. Campodoni, A. Tampieri, Bio-inspired assembling/mineralization process as a flexible approach to develop new smart scaffolds for the regeneration of complex anatomical regions *Journal of the European Ceramic Society* (2016), 36 (12), 2857-2867.
15. M. Iafisco, C. Drouet, **A. Adamiano**, P. Pascaud, M. Montesi, S. Panseri, S. Sarda, A. Tampieri. Superparamagnetic iron-doped nanocrystalline apatite as a delivery system for doxorubicin. *Journal of Materials Chemistry B* 4 (2016) 57-70.
16. S. Panseri, M. Montesi, M. Sandri, M. Iafisco, **A. Adamiano**, Martina Ghetti, G. Cenacchi, A. Tampieri. Magnetic labelling of mesenchymal stem cells with iron-doped hydroxyapatite nanoparticles as tool for cell therapy. *Journal of Biomedical Nanotechnology* (2016) 12(5), 909-921.
17. C. Pirone, L. Gurrieri, I. Gaiba, **A. Adamiano**, F. Valle, P. Trost, P. F. Sparla. The analysis of the different functions of starch-phosphorylating enzymes during the development of *Arabidopsis thaliana* plants discloses an unexpected role for the cytosolic isoform GWD2. (2017) *Physiologia Plantarum*.
18. E. Campodoni, **A. Adamiano**, S.M. Dozio, S. Panseri, M. Montesi, S. Sprio, A. Tampieri, M. Sandri, Development of innovative hybrid and intrinsically magnetic nanobeads as a drug



delivery system. *Nanomedicine* (2016), 11 (16), 2119-2130.

19. V. Iannotti, **A. Adamiano**, G. Ausanio, L. Lanotte, G. Aquilanti, J.M.D. Coey, M. Lantieri, G. Spina, M. Fittipaldi, G. Margaris, K. Trohidou, S. Sprio, M. Montesi, S. Panseri, M. Sandri, M. Iafisco, A. Tampieri, Fe-Doping-Induced Magnetism in Nano-Hydroxyapatites. *Inorganic Chemistry* (2017), 56 (8), 4446-4458.
20. C. Piccirillo, **A. Adamiano**, D.M. Tobaldi M. Montalti, J. Manzi, P.M.L. Castro, S. Panseri, M. Montesi, S. Sprio, A. Tampieri, Luminescent calcium phosphate bioceramics doped with europium derived from fish industry byproducts. *Journal of the American Ceramic Society*, DOI: [10.1111/jace.14884](https://doi.org/10.1111/jace.14884).
21. **A. Adamiano**, N. Sangiorgi, S. Sprio, A. Ruffini, M. Sandri, A. Sanson, P. Gras, D. Grossin, C. Francés, K. Chatzipanagis, M Bilton, B. Marzec, A. Varesano, F. Meldrum, R. Kröger, A. Tampieri, Biomineralization of a titanium-modified hydroxyapatite semiconductor on conductive wool fibers. *Journal of Materials Chemistry B*, in press DOI: [10.1039/C7TB00211D](https://doi.org/10.1039/C7TB00211D).

## BOOK CHAPTERS

1. A. Tampieri, M. Sandri, S. Panseri, **A. Adamiano**, M. Montesi, S. Sprio (2016). Biologically Inspired Nanomaterials and Nanobiomagnetism: A Synergy among New Emerging Concepts in Regenerative Medicine. *Bio-Inspired Regenerative Medicine: Materials, Processes, and Clinical Applications*, 1.
2. S. Sprio, M. Sandri, M. Iafisco, S. Panseri, M. Montesi, A. Ruffini, **A. Adamiano**, A. Ballardini, A. Tampieri (2016). Nature-Inspired Nanotechnology and Smart Magnetic Activation: Two Groundbreaking Approaches Toward a New Generation of Biomaterials for Hard Tissue Regeneration. *Advanced Techniques in Bone Regeneration*. InTech.
3. A. Tampieri, M. Iafisco, S. Sprio, A. Ruffini, S. Panseri, M. Montesi, A. Adamiano, M. Sandri (2016). Hydroxyapatite: from nanocrystals to hybrid nanocomposites for regenerative medicine. *Handbook of Bioceramics and Biocomposites*, 119-144.

## ORAL COMUNICATIONS

1. **A. Adamiano**, D. Fabbri. GC-MS analysis of the 2,5-diketopiperazines obtained from proteins pyrolysis. *Congress of the Italian Chemical Society, Separation Science Group. Turin*,

May 2011.

2. **A. Adamiano**, D. Fabbri, G. Falini, M.G. Belcastro. Determination of collagen by pyrolysis/GC-MS. Evaluation of the degree of conservation of archaeological bones from Vicenne (Italy) by comparison with XRD, TGA and FTIR analysis. *XXIV Annual Congress of the Italian Chemical Society*, September 2011. ANA-OR-24. Book of abstract – pg 140.
3. M. Iafisco, **A. Adamiano**, M. Sandri, S. Panseri, J.M. Delgado López, J.G. Morales. Apatite nanocrystals as particulate emulsifier for the preparation of hybrid polymeric-inorganic materials. *Materials in Medicine – MiMe, International Conference 1st edition, Faenza (Italy) 8-11 October 2013*. Book of abstract pg – 70.
4. **A. Adamiano**, M. Iafisco, P. Pascaud, C. Drouet, S. Sarda, M. Montesi, S. Panseri, M. Sandri, A. Tampieri. Magnetically-driven release of doxorubicin from hydroxyapatite nanoparticles. *Advanced Nanomaterials – ANM, 6<sup>th</sup> International Conference, Aveiro (Portugal) 20-22 July 2015*. Book of abstract pg – 91.
5. A. Tampieri, S. Sprio, S. Panseri, M. Montesi, M. Iafisco, **A. Adamiano**, New magnetic bio-resorbable nanosystems as a smart tool for advanced cell therapy. *Nanoscience meets Mterology – International summer workshop, Erice (Italy) 27-31 July 2015*. Book of abstract pg – 122.
6. A. Adamiano, M. Basini, S. Panseri, P. Arosio, M. Sandri, M. Iafisco, A. Lascialfar, A. Tampieri. Fe-Doped Nanoparticles as Contrast Agent in MRI. *Bioceramics 28 – Charlotte (US) 18-21 October 2016*.
7. **A. Adamiano**, M. Iafisco, M. Sandri, S. Sprio, M. Montesi, S. Panseri, V. Iannotti, M. Basini, C. Drouet and A. Tampieri. Interacting superparamagnetic Fe-doped calcium-phosphate nanocomposite: combining different magnetic contributes to achieve highly efficient nanosystems for therapeutic and diagnostic applications. *Catania, December 12 - 16 2016*. Book of abstract pg – 165.
8. M. Sandri, E. Campodoni, **A. Adamiano**, S. Panseri, M. Montesi, S. Sprio, A. Tampieri. Biomineralized magnetic hybrid nanocomposite supporting cell proliferation and tuning regenerative process. *Catania, December 12 - 16 2016*. Book of abstract pg – 70.
9. A. Tampieri, S. Sprio, M. Iafisco, **A. Adamiano**, S. Panseri, M. Montesi. New Magnetic Bioactive Nanoparticles: A New Platform For Nanomedicine. *Catania, December 12 - 16 2016*. Book of abstract pg – 164.

10. S. Dozio, M. Montesi, S. Panseri, **A. Adamiano**, M. Iafisco, S. Sprio, M. Sandri, A. Tampieri. Novel superparamagnetic iron-doped hydroxyapatite nanoparticles to direct cellular fate. *Catania, December 12 - 16 2016*. Book of abstract pg – 225.
11. M. Montesi, S. Panseri, **A. Adamiano**, M. Iafisco, M. Sandri, A. Tampieri. Novel superparamagnetic iron-doped hydroxyapatite nanoparticles to direct cellular fate. *Catania, December 12 - 16 2016*. Book of abstract pg – 302.
12. A. Tampieri, S. Sprio, M. Sandri, S. Panseri, M. Montesi, M. Iafisco, **A. Adamiano**. Nature Inspires Innovative Processes for Smart Biomimetic Devices. *ESB Athens, September 4 – 8 2017*, OP-057.
13. **A. Adamiano**, V. Iannotti, G. Aquilanti, S. Panseri, M. Sandri, M. Iafisco, S. Sprio, A. Tampieri. The Effect of Synthesis Temperature on the Magnetic Properties of Fe-Doped Hydroxyapatite. *ESB Athens, September 4 – 8 2017*, OP-207.

## POSTERS

1. **A. Adamiano**, D. Fabbri, A. Magnani, C. Torri. GC methodologies for the analysis of bio-oil obtained from vegetable biomass. *Poster, XXI Annual congress of the Italian Chemical Society, Analytical Chemistry division 2008*, Book of abstract pg – 192
2. C. Torri, **A. Adamiano**, D. Fabbri, C. Lindfors, A. Monti, A. Oasmaa, Off-line Py/GC-MS and on-line Py-GC-ICP-AED of Herbaceous and Woody Biomass for Preliminary Evaluation of Thermochemical Conversion to Liquid Fuels, *Euroanalysis, Innsbruck. 6-10 September 2009*.
3. D. Fabbri, **A. Adamiano**, C. Torri. GC-MS Determination of Polycyclic Aromatic Hydrocarbons Evolved from Pyrolysis of Biomass. *Euroanalysis, Innsbruck. 6-10 September 2009*.
4. **A. Adamiano**, S. Bonacchi, M. Calvaresi, S. Fermani, M. Montalti and G. Falini, Interaction studies of lysozyme with water soluble and insoluble dyes. *XLI National Congress of the Italian Crystallographic Association, Verona, 11-12 September 2012*.
5. **A. Adamiano**, M. Iafisco, A. Ruffini, S. Sprio and A. Tampieri. Strontium nano-triggers based on Mg-CO<sub>3</sub>-apatites for osteoporotic bone reconstruction. *Congress of the Italian Society of Biomaterials - Session: New Frontiers for biomaterials in nanomedicine. Baveno (Italy) 3-6 June 2013*.

6. **A. Adamiano**, M. Iafisco, A. Ruffini, S. Sprio, A. Tampieri, Biomimetic magnesium-carbonate-apatite nanocrystals endowed with strontium ions as anti-osteoporotic trigger. *Materials in Medicine – MiMe, International Conference 1<sup>st</sup> edition, Faenza (Italy) 8-11 October 2013*, Book of abstract pg – 290
7. M. Montesi, S. Panseri, **A. Adamiano**, M. Iafisco, M. Sandri, A. Tampieri. Novel Superparamagnetic Iron-Doped Hydroxyapatite Nanoparticles to Direct Cellular Fate. *ESB Athens, September 4 – 8 2017*, PP134.
8. **A. Adamiano**, M. Iafisco, S. Scaglione, A. Marrella, V. Iannotti, M. Sandri, J. Modica, M.S. Barandalla, D. Catalucci, A. Tampieri. Magnetic drug delivery by Fe-doped calcium phosphate nanoparticles. *Nanoinnovation Rome, September 26 – 29 2017*,