

CURRICULUM VITAE

ANGELA DE BONIS

DATI GENERALI:

Nata a Potenza il 23/8/1971 ed ivi residente in Corso Garibaldi, 155

Professore Ordinario (SSD CHIM/02) presso IL Dipartimento di Scienze - Università degli Studi della Basilicata

STUDI E ATTIVITA' PROFESSIONALE:

Laurea in Chimica conseguita con votazione 110/110 e lode il 15/7/1997 presso l'Università degli Studi della Basilicata.

Titolo tesi: "Modifica di proprietà elettriche di film sottili polimerici mediante fasci ionici". Relatore Prof. R. Righini.

Marzo 2001: Dottorato in Scienze Chimiche, XIII ciclo, presso l'Università degli Studi di Catania (tutor Prof. G. Marletta). Titolo tesi: "Preparazione, caratterizzazione e modifica di film sottili molecolari".

Abilitazione alla professione di Chimico conseguita nel novembre 1997 ed iscrizione all'albo dal gennaio 1999 a dicembre 2005.

Dicembre 2008: Ricercatore Universitario (SSD CHIM/02) presso l'Università degli Studi della Basilicata.

Novembre 2015: Professore Associato (SSD CHIM/02) presso l'Università degli Studi della Basilicata.

Dicembre 2022: Professore Ordinario (SSD CHIM/02) presso l'Università degli Studi della Basilicata.

ATTIVITA' DIDATTICA:

Dall'A.A 2008/2009 all' AA 2010/2011: Supplenza per il Corso di "Laboratorio di Chimica Fisica II" (6 CFU), Settore Scientifico Disciplinare CHIM/02 presso il corso di Laurea in Chimica (Triennale) dell'Università degli Studi della Basilicata.

Ottobre 2011– Gennaio 2012 : Supplenza per il Corso di "Chimica Fisica I" (6 CFU), Settore Scientifico Disciplinare CHIM/02 presso il corso di Laurea in Chimica (Triennale) dell'Università degli Studi della Basilicata, Anno Accademico 2011/2012

Dall'A.A 2012/2013 all' AA 2015/2016: Supplenza per il Corso di "Fondamenti di Spettroscopia" (6 CFU), Settore Scientifico Disciplinare CHIM/02 presso il corso di Laurea in Chimica (Triennale) dell'Università degli Studi della Basilicata.

Dall'AA 2016/2017 ad oggi: Titolare del Corso di “Fondamenti di Spettroscopia” (6 CFU), Settore Scientifico Disciplinare CHIM/02 presso il corso di Laurea in Chimica (Triennale) dell'Università degli Studi della Basilicata,

Dall'AA 2016/2017 ad oggi: Titolare del Corso di “Laboratorio di Chimica Fisica I” (6 CFU), Settore Scientifico Disciplinare CHIM/02 presso il corso di Laurea in Chimica (Triennale) dell'Università degli Studi della Basilicata.

Dall'AA 2021/2022: Titolare del Corso di “Chimica Fisica II” (6 CFU), Settore Scientifico Disciplinare CHIM/02 presso il corso di Laurea in Chimica (Triennale) dell'Università degli Studi della Basilicata.

ATTIVITA' GESTIONALI ED ISTITUZIONALI:

Dal 2016 ad oggi: Rappresentate dell'Università della Basilicata nel Consiglio Direttivo del Consorzio INSTM.

Dal 2016 ad oggi: Responsabile scientifico del “Laboratorio di Spettroscopia Raman”

2016-2020: Coordinatore CdS in Chimica.

2016-2020: Componente della Commissione Paritetica del Dipartimento di Scienze – Università della Basilicata.

2016-2020: Componente della Commissione Didattica del Dipartimento di Scienze – Università della Basilicata.

Dal 2019 ad oggi: Componente del Consiglio Direttivo della sezione Basilicata della SCI

2020-2024: Coordinatore dell'area di ricerca (Molecole, Materiali e Metodi – 3M)

2023-2024: Presidente della Commissione Ricerca del Dipartimento di Scienze

2021: delegata del Rettore alla prevenzione e sicurezza dei laboratori di ambito chimico e biologico

CONGRESSI:

III International Symposium on Ionizing Radiation and Polymers- IraP 98, 1998, Dresda 14-24 Settembre

“Structural modifications and electrical properties in ion-irradiated polyimide” A. De Bonis , A. Bearzotti, G. Marletta

11th International Conference on Ion beam Modification of Materials- IBMM, 1998, Amsterdam 31 Agosto –4 Settembre

“Insulating to conducting phase transition in ion-irradiated polyimide” A. De Bonis, A. Bearzotti, G. Marletta

XXIX Congresso Nazionale di Chimica Fisica, 1998, Taormina 5-9 Ottobre.

“Correlation between electrical and structural modification in ion-irradiated polyimide.” A. De Bonis, A. Bearzotti, G. Marletta

“SERS spectra of small organic molecules by silver nanocluster.” G. Compagnini, A. De Bonis, C. Galati and G. Marletta

XXX Congresso Nazionale Chimica-Fisica, 1999, Firenze, 26 Settembre – 1 Ottobre.

“Adsorption-induced conformational transition in 2,2’ bipyridine on silver surfaces: a Surface Enhanced Raman Scattering study” A. De Bonis , G.Compagnini and G.Marletta

“Role of Micro and Nanomorphology on the Raman Enhancement of Differently Prepared Silver Surface” G. Compagnini, B. Pignataro, A. De Bonis and G. Marletta

II Convegno Nazionale sulla Scienza e Tecnologia dei Materiali , 1999, Santa Tecla, Acireale (CT) 14-16 Ottobre.

“Studio SERS della transizione conformazionale della 2-2’ biperidina adsorbita su superfici di argento”A. De Bonis , G. Compagnini and G. Marletta, R.S. Cataliotti

XVI Convegno Gruppo Nazionale Spettroscopia Raman, 1999, Milano 17 – 19 Novembre.

“Spectroscopic evidences for an induced polymerization of terthiophene adsorbed onto Silver surface” A. De Bonis, G. Compagnini, R.S. Cataliotti, G. Marletta (*oral presentation*)

E-MRS 2000 Spring Meeting , 2000, Strasbourg, Giugno

“The effect of self assembled nanometric spacer on surface enhanced Raman spectra of terthiophene ultrathin film”. G. Compagnini, A. De Bonis, R.S. Cataliotti.

XVIIth International Conference on Raman Spectroscopy, 2000, Pechino

“The use of self assembled monolayers as nanometric spacers in surface enhanced Raman experiments” G. Compagnini, A. De Bonis, R.S. Cataliotti.

ElectroChemical Society Meeting, 2003, Paris, 27 April-2May

“Site occupancy and Auger parameter in lithium intercalation of vanadium pentoxide” J.E. Castle, A.M. Salvi, A. De Bonis, M.R. Guascito, M.T. Lupo, F. Decker, B. Orel, A. Surca

XXXIII Congresso nazionale di Chimica (SCI) 2003, Torino, 22-27 Giugno

“Caratterizzazione XPS/XAES di film sottili di V₂O₅ modificati mediante intercalazione elettrochimica con ioni Li⁺” A.M. Salvi, M.R. Guascito, A. De Bonis, F. Decker, M. Liberatore

E-MRS 2004 Spring Meeting, 2004, Strasbourg , 24-28 Maggio

“Femtosecond pulsed laser ablation of group 4 elements carbide” R. Teghil, L. D’Alessio, A. De Bonis, A. Galasso, P. Villani, M. Zaccagnino, A. Santagata

“Pulsed laser ablation of ternary carbides” L. D’Alessio, A. De Bonis, A. Galasso, R. Teghil, M. Zaccagnino, A. Santagata, D. Ferro, G. De Maria

4-ICPEPA , 2004, Lecce, 5-9 Settembre

“Ultrashort Pulse Laser Vaporisation of Icosahedral Al-Pd-Mn” R. Teghil, L. D’Alessio, A. De Bonis, A. Galasso, P. Villani, M. Zaccagnino, A. Santagata

“Ultrashort Laser Ablation of SmBaCuO System: Gas Phase Characterization”, L. D’Alessio, A. De Bonis, A. Galasso, A. Morone, A. Santagata, R. Teghil, P. Villani, M. Zaccagnino

ALT 04 Conference, 2004, Roma, 10-15 Settembre

“Growth mechanism of inorganic thin film produced by femtosecond pulsed laser deposition”, R. Teghil, L. D’Alessio, A. De Bonis, A. Galasso, P. Villani, M. Zaccagnino

E-MRS 2005 Spring Meeting, 2005, Strasbourg, 24-28 Maggio

“Pulsed laser ablation of indium tin oxide in the nano and femtosecond regime: characterization of transient species”. A. De Bonis, A. Galasso, V. Marotta, S. Orlando, A. Santagata, R. Teghil, S. Veronesi, P. Villani, A. Giardini
“fs/ns-dual-pulse orthogonal geometry plasma plume reheating for copper-based-alloys analysis” A. Santagata, A. De Bonis, P. Villani, R. Teghil, G.P. Parisi

ALT 05 Conference, 2005, Tianjin, 3–5 Settembre

“Metallic samples emission spectroscopy investigation and analytical applications of a fs laser beam-induced plasma reheated by a ns laser pulse” R. Teghil, A. De Bonis, P. Villani, A. Galasso, G.P. Parisi, A. Santagata, A. Giardini
“Ultrashort pulsed laser deposition of ITO thin films” L. D’Alessio, A. De Bonis, D. Ferro, A. Galasso, A. Giardini, A. Santagata, R. Teghil, P. Villani.

EMSLIBS 2005, 2005, Aachen, 6-9 Settembre

“Analysis of copper-based alloys by orthogonal fs/ns dual pulse LIBS” A. Santagata, A. De Bonis, P. Villani, R. Teghil, G.P. Parisi, A. De Giacomo, M. Dell’Aglia, O. De Pascale, M. Corrente
“Optical emission spectroscopy investigation and modeling of an ultra-short laser beam titanium induced plasma reheated by an ns laser pulse” A. Casavola, A. De Giacomo, A. Santagata, R. Teghil, G. Colonna, M. Dell’Aglia, G.P. Parisi, A. De Bonis

COLA 2005, 2005, Banff, 11-16 Settembre

“Fs/ns-Dual-Pulse Orthogonal Geometry Plasma Plume Reheating for Compositional Analysis of Ancient Copper-Based-Alloy Artworks” A. Santagata, A. De Giacomo, O. De Pascale, M. Dell’Aglia, R. Teghil, A. De Bonis, M. Corrente, G.P. Parisi, S. Orlando,

E-MRS 2006 Spring Meeting, 2006, Nice, 29 Maggio-2 Giugno

“Optical Emission Spectroscopy Investigation of an Ultra-Short Laser Induced Titanium Plasma Reheated by a Ns-Laser-Pulse” A. Santagata, R. Teghil, A. De Giacomo, M. Dell’Aglia, G.P. Parisi, A. De Bonis,
“Femtosecond Pulsed Laser Ablation of Crystalline and Quasicrystalline Al-Cu-Fe Systems” L. D’Alessio, A. De Bonis, D. Ferro, A. Galasso, A. Giardini, A. Santagata, R. Teghil, P. Villani

E-MRS 2007 Spring Meeting, 2007, Strasbourg, 28 Maggio-1 Giugno

“Femtosecond pulsed laser ablation deposition of tantalum carbide” R. Teghil, A. De Bonis, A. Galasso, P. Villani, A. Santagata
“fs/ns dual-pulse LIBS analytic survey for copper-based alloys” A. Santagata, R. Teghil, G. Albano, D. Spera, P. Villani, A. De Bonis, G.P. Parisi, A. Galasso
“Time-resolved stimulated emission spectroscopy in the ultrashort domain through pump–probe experiments” S. Orlando, A. Paladini, L. Guidoni, A. Santagata, G.P. Parisi, P. Villani, R. Teghil, A. De Bonis, A. Galasso, A. Giardini

COLA 2007, 2007, Tenerife, 24-28 Settembre

“Role and importance of nanoparticles in ultra-short PLD inorganic systems” R. Teghil, A. De Bonis, A. Galasso, A. Santagata, P. Villani

“Orthogonal fs/ns double pulse LIBS for copper based alloys analysis” A. Santagata, G. Albano, G.P. Parisi, P. Villani, R. Teghil, A. De Bonis, A. Galasso, A. Giardini

“Pump and probe experiments of time resolved stimulated emission spectroscopy in the sub-picosecond domain” A. Giardini, S. Orlando, A. Paladini, G.P. Parisi, A. Santagata, P. Villani, L. Guidoni, R. Teghil, A. De Bonis

Molecular and nanodynamics: from atoms to biomolecules, 2007, Roma, 10-12 Ottobre.

“Fragmentation during fs/ns double pulse LIBS copper based-alloys investigations.” G. Albano, D. Spera, P. Villani, G.P. Parisi, A. Santagata, A. De Bonis, A. Galasso, R. Teghil.

“Pump-probe experiments of time-resolved stimulated emission spectroscopy in the sub-picosecond domain.” L. Guidoni, A. Giardini, S. Orlando, A. Paladini, G.P. Parisi, A. Santagata, P. Villani, R. Teghil, A. De Bonis

“Effects of ultra-short laser induced titanium plasma reheated by a ns-laser pulse on emission spectroscopy features.” P. Villani, D. Spera, A. Albano, G.P. Parisi, A. Santagata, A. De Bonis, A. Galasso, R. Teghil.

“Super-heated nanoparticles formation and evolution in ultra-short PLD of inorganic systems.” A. De Bonis, R. Teghil, A.M. Salvi, L. D’Alessio, G. Lanza, P. Villani, A. Santagata, D. Ferro.

E-MRS 2008 Spring Meeting, 2008, Strasbourg, 26-30 Maggio

“Nanostructured thin films obtained by ultra-short pulsed laser deposition of vanadium carbide” R. Teghil, A. De Bonis, A. Galasso, A. Santagata, P. Villani

“Emission spectra investigation of a space resolved fs/ns dual pulse LIBS configuration technique” A. Santagata, G. Albano, D. Spera, P. Villani, G.P. Parisi, R. Teghil, A. De Bonis, A. Galasso

“Stimulated emission spectroscopy time-resolved pump-probe experiments” A. Giardini, S. Orlando, A. Paladini, A. Santagata, G.P. Parisi, D. Spera, P. Villani, L. Guidoni, R. Teghil, A. De Bonis, A. Galasso

1st International Conference on Nanostructured Materials and Nanocomposites – ICNM, 2009, Kottayam, 6 – 8 Aprile

“Nanostructured films of refractory materials produced by ultra-short Pulse Laser Deposition” R. Teghil, A. De Bonis, A. Galasso, P. Villani, A. Santagata

E-MRS 2009 Spring Meeting, 2009, Strasbourg, 8-12 Giugno

“Role of nanoparticles black-body emission in copper-based-alloys fs-ns double pulse LIBS investigation” A. Santagata, R. Teghil, G. Albano, D. Spera, G.P. Parisi, P. Villani, A. De Bonis, A. Galasso

VII Convegno Nazionale INSTM, 2009, Tirrenia (Pi), 9-12 Giugno

“Nanostructured thin films of Al-Cu-Fe quasicrystal produced by ultra-short PLD” A. De Bonis, A. Galasso, A. Laurita, A. Santagata, P. Villani, M. D’Auria, R. Teghil

EMSLIBS 2009, 2009, Tivoli (Roma), 28 Settembre-1 Ottobre

“Role of nanoparticles black-body emission in copper-based-alloys fs-ns double pulse LIBS investigation” A. Santagata, R. Teghil, G. Albano, P. Villani, G.P. Parisi, A. De Bonis, A. Galasso

E-MRS 2010 Spring Meeting, 2010, Strasbourg , 8-10 Giugno

“Characterization of the gaseous phase produced by ultra-short pulsed laser ablation of transition metal borides” A. De Bonis, R. Teghil, J.V. Rau, A. Galasso, L. Maio, S. Orlando, A. Santagata

ANGEL 2010, 2010, Engelberg, 29 Giugno-1 Luglio

“Diamond-like carbon nanoparticles obtained in liquid by short and ultra-short laser pulses “ A. De Bonis, R. Teghil, A. De Giacomo, R. Gaudio, M. Dell’Aglia, G.S. Senesi, A. Santagata, S. Orlando

NANO 2010, 2010, Roma, 13-17 Settembre

“DLC nanoparticles obtained in liquid by short and ultra-short laser pulses “ A. De Bonis, R. Teghil, A. De Giacomo, R. Gaudio, M. Dell’Aglia, G.S. Senesi, A. Santagata, S. Orlando

CF2010-XXXIX Congresso Nazionale di Chimica Fisica, 2010, Stresa, 20-24 Settembre

“Ultra-short pulsed laser deposition of super-hard thin films of transition metal borides” A. De Bonis, J.V. Rau, A. Santagata, A. Galasso, L. Maio, R. Teghil

LIBS 2010, 2010, Memphis , 13-17 Settembre

“Role of fs Laser Induced Nanoparticles in Copper-Based-Alloys fs-ns Double- Pulse LIBS Calibration Curves” A. De Bonis, R. Teghil, A. De Giacomo, G. Sileo, G.P. Parisi, A. Santagata

E-MRS 2011 Spring Meeting, 2011, Nice , 9-13 Maggio

“Nanodiamond crystals obtained in liquid by ultra-short laser pulses” A De Bonis, A. Galasso, A. Santagata, S. Orlando, R. Teghil, G. Labella

“Thin films deposited by femtosecond pulsed laser ablation of tungsten carbide” A. De Bonis, R. Teghil, A. Santagata, A. Galasso, J.V. Rau, S. Tardio

13 CCT: Regenerative nanomedicine, tissue and genetic engineering, and the role of ceramics, 2011, Faenza, 17-20 Maggio

“Bioactive glass-ceramic coatings deposited by pulsed laser deposition from sol-gel targets” J.V. Rau, A. De Bonis, R. Teghil, M. Fosca, I. Cacciotti, A. Bianco, D. Ferro, V. Rossi Albertini, A. Ravaglioli

E-MRS 2012 Spring Meeting, 2012, Strasbourg , 14-18 Maggio

“Femtosecond pulsed laser ablation of molybdenum carbide: nanoparticles and thin film characteristics” A. De Bonis, A. Galasso, S. Orlando, M. Sansone, A. Santagata, R. Teghil

“Time-resolved laser spectroscopies and thin films properties correlation of Ag nanoparticle-oligothiophene nanocomposites” A. Guarnaccio, A. Santagata, M. D’Auria, A. De Bonis, R. Teghil, R. Racioppi, G.P. Parisi

ANGEL 2012, 2012, Taormina (ME), 22-24 Maggio

“Study on the role of laser cavitation bubble for the production of NPs by laser ablation of metals in water” A. De Giacomo, A. Santagata, M. Dell’Aglia, R. Gaudiuso, A. De Bonis, G.C. Messina, G. Compagnini, P. Wagener, S. Barcikowski

“Rutile micro and nanostructures obtained by ultrashort laser ablation of titanium in liquid” A. De Bonis, A. Galasso, N. Ibris, A. Laurita, A. Santagata, R. Teghil

ICOOPMA 2012, 2012, Nara, 3-7 Giugno

“Nanostructured Molybdenum Carbide Thin Films Obtained by Femtosecond Pulsed Laser Deposition” R. Teghil, A. De Bonis, T. Mori, J. V. Rau, M. Sansone, A. Santagata

“Ultra-short Pulse Laser Ablation of Gallium Arsenide: Plasma Dynamics and Nanoparticles Deposition” R. Teghil, A. De Bonis, A. Galasso, N. Ibris, A. Laurita, E. Pascale, A. Santagata

FUTURMAT2, 2012, Brindisi, 16-20 Settembre

“Synthesis and characterization of 1,3-dithienylisothianaphthene analogs and their silver nanocomposites” A. Guarnaccio, M. D’Auria, A. De Bonis, R. Racioppi, A. Santagata, R. Teghil

E-MRS 2013 Spring Meeting, 2013, Strasbourg, 27-31 Maggio

“Femtosecond laser ablation of CaF₂: plasma characterization and thin films deposition” A. De Bonis, A. Galasso, C. Minichino, M. Sansone, A. Santagata, R. Teghil

“Comparison of the performances of nanosecond and femtosecond Laser Induced Breakdown Spectroscopy in the depth profiling of an artificially corroded bronze” A. De Bonis, B. De Filippo, A. Galasso, A. Santagata, A. Smaldone, R. Teghil

CF2013-XL Congresso Nazionale di Chimica Fisica, 2013, Alessandria, 23-27 Giugno

“Effect of focusing conditions on cavitation bubbles dynamics and nanoparticles properties during ultra-short laser ablation of metallic targets in liquid”, R. Teghil, M. Sansone, A. Galasso, A. Santagata, A. De Bonis

XXXV Convegno della Divisione di Chimica Organica, 2013, Sassari, 9-13 Settembre

“Synthesis and photophysical characterization of new push-pull oligothiophenes systems.” A. Guarnaccio, M. D’Auria, R. Racioppi, A. Santagata, R. Teghil, A. De Bonis

EMSLIBS 2013, 2013, Bari, 16-20 Settembre

“Fs-Ns Double-Pulse LIBS of Copper-Based-Alloys: Generation and Elemental Analysis of Nanoparticles” A. Santagata, A. De Bonis, A. Galasso, A. De Giacomo, G.P. Parisi, R. Teghil

COLA 2013, 2013, Ischia (Na), 6-11 Ottobre

“Ultrashort laser ablation of metallic targets in liquid: Shockwave and Cavitation bubble-like dynamics survey for formed nanoparticles properties” A. De Bonis, M. Sansone, A. Galasso, A. Santagata, R. Teghil (*oral presentation*)

“Preparation of silver nanoparticles confined in SBA-15 mesoporous silica by ultra-short pulsed laser ablation in liquid” J. Valyon, R. Barthos, Á. Szegedi, A. Guarnaccio, A. De Stefanis, A. De Bonis, S. Orlando, R. Teghil, A. Santagata

“Ultra-short Pulsed Laser Deposition of Gallium Arsenide: a Comprehensive Study” R. Teghil, A. De Bonis, A. Galasso, M. Curcio, A. Santagata

“Femtosecond laser ablation and deposition of CaF₂” A. De Bonis, A. Galasso, C. Minichino, M. Sansone, A. Santagata, R. Teghil

“Fe-hydroxyapatite coatings for bone tissue engineering applications” J.V. Rau, I. Cacciotti, A. De Bonis, M. Fosca, V. Komlev, A. Latini, A. Santagata, R. Teghil

Biophysics@Rome 2014, 2014, Roma, 22-23 Maggio

“New generation bioactive glass-ceramic materials for implant coating application in regenerative medicine”, J.V. Rau, F.R. Bertani, M. Ledda, A. De Bonis, I. Caciotti, R. Teghil, A. Lisi.

E-MRS 2014 Spring Meeting, 2014, Lille , 26-30 Maggio

“Ultrashort laser ablation of fullerite in liquid media” A. De Bonis, M. Curcio, A. Galasso, R. Teghil, J.V. Rau, A. Santagata (*oral presentation*)

“Ultrashort pulsed laser ablation and deposition of magnesium diboride thin films” A. De Bonis, A. Santagata, M. Sansone, A. Galasso, R. Teghil.

“Steady-state and time-resolved photophysical behaviour in solution of a new donor-acceptor oligothiophene-fullerene compound” A. Guarnaccio, P. A. Loukakos, D. Anglos, A. Santagata, M. D’Auria, R. Racioppi, R. Teghil, A. De Bonis, G. Lendvay.

“Silver nanoparticle-oligothiophene nanocomposites and related time-resolved spectroscopy studies and structural properties” A. Guarnaccio, P. A. Loukakos, D. Anglos, A. Santagata, M. D’Auria, R. Racioppi, R. Teghil, A. De Bonis.

“Production of silver nanoparticles by ultra-short pulsed laser ablation in nanoporous aqueous silica colloidal solutions” A. Guarnaccio, Á. Szegedi, J. Valyon, S. Orlando, A. De Stefanis, A. De Bonis, R. Teghil, M. Sansone, A. Santagata .

2nd Workshop on Surfaces, Interfaces and Functionalization Processes in Organic Compounds and Applications SINFO II, 2014, Trieste, 25-27 Giugno

“Experimental survey of thiophene-based oligomers as building blocks for π -conjugated polythiophenes metal catalyzed synthesis” A. Guarnaccio, A. Santagata, M. Coreno, R. G. Acres, K. C. Prince, C. Grazioli, A. De Bonis, R. Teghil, R. Racioppi, M. D’Auria.

XXV Congresso Nazionale della Società Chimica Italiana - SCI 2014, 2014, Rende (CS), 7-12 Settembre

“Laser ablation of Fullerite in liquid by femtosecond laser source” A. De Bonis, M. Curcio, A. Galasso, J.V. Rau, A. Santagata, R. Teghil (*oral presentation*)

SCIX 2014, 2014, Reno (Nevada – USA), 29 Settembre-3 Ottobre

“Laser Induced Breakdown Spectroscopy by ultrashort pulses: Are there still perspectives?” A. Santagata, A. Guarnaccio, G. P. Parisi, A. De Bonis, R. Teghil.

ICPEPA-9, 2014, Matsue (Japan), 29 Settembre-3 Ottobre

“Ultrashort pulsed laser ablation of magnesium diboride” R. Teghil, A. De Bonis, A. Galasso, A. Santagata.

TECHNART 2015, 2015, Catania, 27-30 Aprile

“Inverse Calibration Free-LIBS of bronze artifacts of the “Torre di Satriano” archaeological site” A. Smaldone, A. De Bonis, M. Osanna, A. Santagata, B. Serio, R. Teghil

E-MRS 2015 Spring Meeting, 2015, Lille , 11-15 Maggio

“Silver-silica core-shell nanoparticles generated by pulsed laser ablation in liquid of a silver target in presence of silica nanoporous materials “ , A. Guarnaccio, D. Pietrangeli, Á. Szegedi, J. Vályon, A. De Stefanis, A. De Bonis, R. Teghil, M. Sansone, D. Mollica, G.P. Parisi

“RKKP Glass Ceramic - Graphene Oxide Composite Films prepared by Pulsed Laser Deposition” A. De Bonis, M. Curcio, J.V. Rau, A. Santagata, R. Teghil

“Pulsed Laser Ablation of Niobium Carbide” M. Sansone, A. De Bonis, A. Santagata, J.V. Rau, A. Galasso, R. Teghil

“Plasmonic tunability of noble metal nanoparticles generated by fs laser ablation” M.L. Pace, A. Guarnaccio, F. Ranù, D. Trucchi, A. De Bonis, R. Teghil, S. Orlando, D. Mollica, A. Santagata

“Gallium Arsenide nanocrystals obtained by short and ultrashort laser ablation in liquid “A. De Bonis, A. Santagata, D. Palmieri, A. Galasso, R. Teghil

Energy Materials Nanotechnology – EMN Summer Meeting, 2015, Cancun, 9-12 Giugno

“Nanoparticles and Nanostructures produced by ultra-short laser ablation in liquid” R. Teghil, A. De Bonis, M. Sansone, A. Galasso, A. Santagata,

BIOREMED 2015 - “International Seminar on Biomaterials & Regenerative Medicine”, 2015, Felix Bath, Oradea, Romania, 17-19 Settembre

“Bioactive substituted hydroxyapatite and glass-ceramic coatings for bone implant applications” J. V. Rau, M. Fosca , V. Graziani, A. De Bonis, M. Curcio, R. Teghil

COLA 2015, 2015, Cairns, 31 Agosto – 4 Settembre

“Fs laser pulses for ablation and deposition of noble metal nanoparticles with tunable optical properties” M.L. Pace, A. Guarnaccio, F. Ranù, D. Trucchi, A. De Bonis, R. Teghil, S. Orlando, D. Mollica, G.P. Parisi, A. Santagata

The 1st European Conference on Physical and Theoretical Chemistry, 2015, Catania, 14-18 Settembre

“Pulsed Laser Deposition of bioactive glass-ceramic materials for application in regenerative medicine” M. Curcio, A. De Bonis, J.V. Rau, M. Fosca, V. Graziani, A. Santagata, R. Teghil

E-MRS 2016 Spring Meeting, 2016, Lille , 2-6 Maggio

“Mechanical properties and Bioactivity of RKKP Glass Ceramic – C60 Composite Films prepared by Pulsed Laser Deposition” A. De Bonis, M. Curcio, J.V. Rau, M. Fosca, A. Santagata, R. Teghil

“Production of CaF₂ nanoparticles by ultrashort laser ablation in liquid and their characterization” A. De Bonis, A. Santagata, M. Sansone, A. Galasso, R. Teghil

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“Iron doped LiCoPO₄ thin films for lithium-ion microbatteries obtained by ns pulsed laser deposition” A. Smaldone, S. Brutti, A. De Bonis, N. Ciarfaglia, A. Santagata, R. Teghil

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“Laser synthesis of transition metal carbide by short and ultrashort laser ablation in liquid” A. De Bonis, A. Galasso, A. Santagata, R. Teghil (*oral presentation*)

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PROGETTI

PRIN 2009 "Sintesi, struttura e dinamica di nanoparticelle e aggregati in plasmi prodotti da laser a impulso ultracorto" - partecipante- 24 mesi

PO-FESR Basilicata 2007-2013 "Combined LASER Nanotechnology" – responsabile di attività - 36 mesi

PON 2012 "Smart Basilicata: OR Smart Energy - Tecnologie avanzate per la produzione e l'accumulo di energia da fonte solare" – partecipante

PON 2018 "BiofeedStock"- Progetto Sviluppo di Piattaforme Tecnologiche Integrate per la Valorizzazione di Biomasse Residuali "BIOFEEDSTOCK", Programma Nazionale per la Ricerca 2015- 2020, Area di Specializzazione - ENERGIA – Partecipante

PO-FESR 2014-2020- Azione 1B.1.2.1. "Avviso Pubblico per il sostegno alla creazione e sviluppo dei cluster tecnologici della Regione Basilicata e alla realizzazione di progetti di ricerca e sviluppo" – Area di specializzazione: AUTOMOTIVE – IST19014530 del 13.09.2019 - *Progetto MOBAS 4.0* – responsabile di Unità – 24 mesi

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Angela De Bonis

