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Present position :

- Permanent position as Researcher at CNR, Institute of Crystallography, UOS Trieste, Elettra Synchrotron, AREA SCIENCE PARK, Basovizza.

Short CV :

Wood Science and Technology - SEM EDAX Microanalysis and Microstructures.

1985 Permanent position at CNR .
1991 -1994 Italian Delegate for CEN (European Committee for Standardization) TC 38 "Wood Preservation".
1993 - 2004 Head of Research Microanalysis SEM EDX Laboratory of CNR.

1994 - 1997 National Delegate for Bilateral Research Project Italy/Slovenia: ALPE ADRIA "Water Protection in Wood Industry".
1999 Head of Research Laboratory of Surface Finishing of Wood CNR.
1999 - 2000 University of Trento, Dip.di Fisica, Laboratorio Fasci Molecolari. Wood Behaviour under High Vacuum - Spectrometry Techniques and Turbo-molecular Pumps.
2003 Task leader for Research Project "Characterization and utilization of three Eucalyptus species grown in Sudan" Anatomical and Morphological characterization".

Hydrobiology and Algology - Physiology, Taxonomy and by SEM Microstructures

1980-1985 Study and experiments on field Glenodinium sanguineum Marc.
2001 - 2004 Task Leader for CNR IVALSA of Research Project SALTO P.A.T. "Bloom & Environment: Science for Tovel Lake".

Crystallography :

2004 CNR - Institute of Crystallography - X-ray diffraction Beamline Staff and Member of G.d.r. at Elettra
2006 CNR - Institute of Crystallography - Permanent position as Researcher of the IC - CNR UOS Trieste

Research activity :

Last Activities at Institute of Crystallography - Elettra Synchrotron:
1 Study of phase crystallization triacylglycerols, implementation and use of nanotechnology for the incorporation of drugs by lipids
2 Grazing incidence XRD on thin films: nanostructures, semiconductors, bio - and optoelectronic applications.

Selected publications :

Alessandro Ricci,1 Nicola Poccia,1 B. Joseph,1 Luisa Barba,2 G. Arrighetti,2 G. Ciasca,1 J.-Q. Yan,3R. W. McCallum,3 T. A. Lograsso,3 N. D. Zhigadlo,4 J. Karpinski,4 and Antonio Bianconi1, _
Structural phase transition and superlattice misfit strain of RFeAsO (R = La, Pr, Ndand Sm)
Phys. Rev. B 82, 144507 (2010) [5 pages] PACS number_s_: 74.70.Xa, 62.20._x, 61.05.cp, 61.66.Dk DOI: 10.1103/PhysRevB.82.144507

G Scavia, W Porzio, L Barba, G Arrighetti, S Destri
Micro-contact printing of poly(3-hexylthiophene) on silicon oxide: Effect of stamp stretching,
Journal: European Polymer Journal, (2010)
Vol. 46 - 8, pp. 1660-1670

S Calligaris, S Da Pieve, G Arrighetti, L Barba
Effect of the structure of monoglyceride-oil-water gels on aroma partition,
Journal: FOOD RES INT, (2010)
Vol. 43 - 3, pp. 671-6

M Fratini, R. Caivano, A. Puri, A. Ricci, Z.A. Ren, X.L. Dong, J. Yang, W. Lu, Z.X. Zhao, L. Barba, G. Arrighetti, M. Polentarutti, A. Bianconi
The effect of internal pressure on the tetragonal to monoclinic structural phase transition in ReOFeAs: the case of NdOFeAs,
Journal: SUPERCOND SCI TECH, (2008)
Vol. 21, pp. 092002-4

G.S. Scavia , W.P. Porzio, S.D. Destri, L.B. Barba, G.A. Arrighetti, S.M. Milita, L.F. Fumagalli, D.N. Natali, M.S- Sampietro
Effect of the silanization and annealing on the morphology of thin poly(3-hexylthiophene) (P3HT) layer on silicon oxile,
Journal: SURF SCI, (2008)
Vol. 602 - 19, pp. 3106-10