



Anni 2014-2015

Università degli Studi della Campania "Luigi Vanvitelli" >> Sua-Rd di Struttura: "SCIENZE E TECNOLOGIE AMBIENTALI, BIOLOGICHE E FARMACEUTICHE (DISTABiF)"

Parte II: Risultati della ricerca

Sezione D - Produzione scientifica

| QUADRO D.1 D.1 Produzione Scientifica | | | | | |
|--|---|------|--------------------------------|--------|-----------|
| Titolo | Autori | Anno | Giornale | Volume | Pagine |
| New insight into adiponectin role in obesity and obesity-related diseases | Nigro, E., Scudiero, O., Monaco, M.L., Palmieri, A., Mazzarella, G., Costagliola, C., Bianco, A., Daniele, A. | 2014 | BioMed Research International | | - |
| Optimized ratiometric calcium sensors for functional in vivo imaging of neurons and T lymphocytes | Thestrup, T., Litzlbauer, J., Bartholomäus, I., Mues, M., Russo, L., Dana, H., Kovalchuk, Y., Liang, Y., Kalamakis, G., Laukat, Y., Becker, S., Witte, G., Geiger, A., Allen, T., Rome, L.C., Chen, T.-W., Kim, D.S., Garaschuk, O., Griesinger, C., Griesbeck, O. | 2014 | Nature Methods | 11 | 175-182 |
| The sucrose-trehalose 6-phosphate (Tre6P) nexus: Specificity and mechanisms of sucrose signalling by | Yadav, U.P., Ivakov, A., Feil, R., Duan, G.Y., Walther, D., Giavalisco, P., Piques, M., Carillo, P., Hubberten, H.-M., Stitt, M., Lunn, J.E. | 2014 | Journal of Experimental Botany | 65 | 1051-1068 |
| A full greenhouse gases budget of africa: Synthesis, uncertainties, and vulnerabilities | Valentini, R., Arneeth, A., Bombelli, A., Castaldi, S., Cazzolla Gatti, R., Chevallier, F., Ciais, P., Grieco, E., Hartmann, J., Henry, M., Houghton, R.A., Jung, M., Kutsch, W.L., Malhi, Y., Mayorga, E., Merbold, L., Murray-Tortarolo, G., Papale, D., Peylin, P., Poulter, B., | 2014 | Biogeosciences | 11 | 381-407 |

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| | Raymond, P.A., Santini, M., Sitch, S., Vaglio Laurin, G., Van Der Werf, G.R., Williams, C.A., Scholes, R.J. | | | | |
| Effect of biochar addition on soil microbial community in a wheat crop | Rutigliano, F.A., Romano, M., Marzaioli, R., Baglivo, I., Baronti, S., Miglietta, F., Castaldi, S. | 2014 | European Journal of Soil Biology | 60 | 9-15 |
| Interactive effects of n-TiO ₂ and 2,3,7,8-TCDD on the marine bivalve <i>Mytilus galloprovincialis</i> | Canesi, L., Frenzilli, G., Balbi, T., Bernardeschi, M., Ciacci, C., Corsolini, S., Della Torre, C., Fabbri, R., Faleri, C., Focardi, S., Guidi, P., Kočan, A., Marcomini, A., Mariottini, M., Nigro, M., Pozo-Gallardo, K., Rocco, L., Scarcelli, V., Smerilli, A., Corsi, I. | 2014 | Aquatic Toxicology | 153 | 53-65 |
| Seasonal transfer of oxygen isotopes from precipitation and soil to the tree ring: Source water versus needle water enrichment | Treydte, K., Boda, S., Graf Pannatier, E., Fonti, P., Frank, D., Ullrich, B., Saurer, M., Siegwolf, R., Battipaglia, G., Werner, W., Gessler, A. | 2014 | New Phytologist | 202 | 772-783 |
| Strategies of attack and defence in woody plant-Phytophthora interactions | Oßwald, W., Fleischmann, F., Rigling, D., Coelho, A.C., Cravador, A., Diez, J., Dalio, R.J., Horta Jung, M., Pfan, H., Robin, C., Sipos, G., Solla, A., Cech, T., Chambery, A., Diamandis, S., Hansen, E., Jung, T., Orlikowski, L.B., Parke, J., Prospero, S., Werres, S. | 2014 | Forest Pathology | 44 | 169-190 |
| Drought impact on water use efficiency and intra-annual density fluctuations in <i>Erica arborea</i> on Elba (Italy) | Battipaglia, G., De Micco, V., Brand, W.A., Saurer, M., Aronne, G., Linke, P., Cherubini, P. | 2014 | Plant, Cell and Environment | 37 | 382-391 |
| A waste management planning based on substance flow analysis | Arena, U., Di Gregorio, F. | 2014 | Resources, Conservation and Recycling | 85 | 54-66 |
| Considerations about the correct evaluation of sorption thermodynamic parameters from equilibrium isotherms | Salvestrini, S., Leone, V., Iovino, P., Canzano, S., Capasso, S. | 2014 | Journal of Chemical Thermodynamics | 68 | 310-316 |
| Thyroid: Biological actions of 'nonclassical' thyroid hormones | Senese, R., Cioffi, F., De Lange, P., Goglia, F., Lanni, A. | 2014 | Journal of Endocrinology | 221 | R1-R12 |
| Cancer-Selective Targeting of the Nf-KB Survival Pathway With Gadd45B/Mkk7 Inhibitors | Tornatore, L., Sandomenico, A., Raimondo, D., Low, C., Rocci, A., Tralau-Stewart, C., Capece, D., D'Andrea, D., Bua, M., Boyle, E., vanDuin, M., Zoppoli, P., Jaxa-Chamiec, A., Thotakura, A., Dyson, J., Walker, B., Leonardi, A., Chambery, A., Driessen, C., Sonneveld, P., Morgan, G., Palumbo, A., Tramontano, A., Rahemtulla, A., Ruvo, M., Franzoso, G. | 2014 | Cancer Cell | 26 | 495-508 |
| Gasification of a solid recovered fuel in a pilot scale fluidized bed reactor | Arena, U., Di Gregorio, F. | 2014 | Fuel | 117 | 528-536 |

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| The A1 adenosine receptor as a new player in microglia physiology | Luongo, L., Guida, F., Imperatore, R., Napolitano, F., Gatta, L., Cristino, L., Giordano, C., Siniscalco, D., Di Marzo, V., Bellini, G., Petrelli, R., Cappellacci, L., Usiello, A., de Novellis, V., Rossi, F., Maione, S. | 2014 | GLIA | 62 | 122-132 |
| Saliva from obese individuals suppresses the release of aroma compounds from wine | Piombino, P., Genovese, A., Esposito, S., Moio, L., Cutolo, P.P., Chambery, A., Severino, V., Moneta, E., Smith, D.P., Owens, S.M., Gilbert, J.A., Ercolini, D. | 2014 | PLoS ONE | 9 | - |
| Acute and chronic toxicity of six anticancer drugs on rotifers and crustaceans | Parrella, A., Lavorgna, M., Criscuolo, E., Russo, C., Fiumano, V., Isidori, M. | 2014 | Chemosphere | 115 | 59-66 |
| Optical properties of diatom nanostructured biosilica in <i>Arachnoidiscus</i> sp: Micro-optics from mother nature | Ferrara, M.A., Dardano, P., De Stefano, L., Rea, I., Coppola, G., Rendina, I., Congestri, R., Antonucci, A., De Stefano, M., De Tommasi, E. | 2014 | PLoS ONE | 9 | - |
| Selective non-nucleoside inhibitors of human DNA methyltransferases active in cancer including in cancer stem cells | Valente, S., Liu, Y., Schnekenburger, M., Zwergel, C., Cosconati, S., Gros, C., Tardugno, M., Labella, D., Florean, C., Minden, S., Hashimoto, H., Chang, Y., Zhang, X., Kirsch, G., Novellino, E., Arimondo, P.B., Miele, E., Ferretti, E., Gulino, A., Diederich, M., Cheng, X., Mai, A. | 2014 | Journal of Medicinal Chemistry | 57 | 701-713 |
| Improving the efficacy of inhaled drugs in cystic fibrosis: Challenges and emerging drug delivery strategies | d'Angelo, I., Conte, C., La Rotonda, M.I., Miro, A., Quaglia, F., Ungaro, F. | 2014 | Advanced Drug Delivery Reviews | 75 | 92-111 |
| miR-338-3p is over-expressed in blood, CFS, serum and spinal cord from sporadic amyotrophic lateral sclerosis patients | De Felice, B., Annunziata, A., Fiorentino, G., Borra, M., Biffali, E., Coppola, C., Cotrufo, R., Bretschneider, J., Giordana, M.L., Dalmay, T., Wheeler, G., D'Alessandro, R. | 2014 | Neurogenetics | 15 | 243-253 |
| Identification of highly conserved residues involved in inhibition of HIV-1 RNase H function by diketo acid derivatives | Corona, A., Di Leva, F.S., Thierry, S., Pescatori, L., Crucitti, G.C., Subra, F., Delelis, O., Esposito, F., Rigogliuso, G., Costi, R., Cosconati, S., Novellino, E., Di Santo, R., Tramontano, E. | 2014 | Antimicrobial Agents and Chemotherapy | 58 | 6101-6110 |
| Biological evaluation of zirconia/PEG hybrid materials synthesized via sol-gel technique | Catauro, M., Papale, F., Bollino, F., Gallicchio, M., Pacifico, S. | 2014 | Materials Science and Engineering C | 40 | 253-259 |
| Are Red Lists really useful for plant conservation? The New Red List of the Italian Flora in the perspective of national conservation policies | Rossi, G., Montagnani, C., Abeli, T., Gargano, D., Peruzzi, L., Fenu, G., Magrini, S., Gennai, M., Foggi, B., Wagensommer, R.P., Ravera, S., Cogoni, A., Aleffi, M., Alessandrini, A., Bacchetta, G., Bagella, S., Bartolucci, F., Bedini, G., Bernardo, L., Bovio, M., Castello, M., Conti, F., Domina, G., Farris, E., Gentili, R., Gigante, D., Peccenini, S., Persiani, A.M., Poggio, L., Prosser, | 2014 | Plant Biosystems | 148 | 187-190 |

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| | F., Santangelo, A., Selvaggi, A., Villani, M.C., Wilhalm, T., Zappa, E., Zotti, M., Tartaglioni, N., Ardenghi, N.M.G., Blasi, C., Raimondo, F.M., Venturella, G., Cogoni, D., Puglisi, M., Campisi, P., Miserere, L., Perrino, E.V., Strumia, S., Iberite, M., Lucchese, F., Fabrini, G., Orsenigo, S. | | | | |
| Soil quality recovery and crop yield enhancement by combined application of compost and wood to vegetables grown under plastic tunnels | Bonanomi, G., D'Ascoli, R., Scotti, R., Gaglione, S.A., Caceres, M.G., Sultana, S., Scelza, R., Rao, M.A., Zoina, A. | 2014 | Agriculture, Ecosystems and Environment | 192 | 1-7 |
| Detailed multidisciplinary monitoring reveals pre- and co-eruptive signals at Nyamulagira volcano (North Kivu, Democratic Republic of Congo) | Smets, B., d'Oreye, N., Kervyn, F., Kervyn, M., Albino, F., Arellano, S.R., Bagalwa, M., Balagizi, C., Carn, S.A., Darrah, T.H., Fernández, J., Galle, B., González, P.J., Head, E., Karume, K., Kavotha, D., Lukaya, F., Mashagiro, N., Mavonga, G., Norman, P., Osodundu, E., Pallero, J.L.G., Prieto, J.F., Samsonov, S., Syauswa, M., Tedesco, D., Tiampo, K., Wauthier, C., Yalire, M.M. | 2014 | Bulletin of Volcanology | 76 | 1-35 |
| Current knowledge of D-aspartate in glandular tissues | Di Fiore, M.M., Santillo, A., Chieffi Baccari, G. | 2014 | Amino Acids | 46 | 1805-1818 |
| Chemical composition, nutritional value and antioxidant properties of autochthonous Prunus avium cultivars from Campania Region | Pacifico, S., Di Maro, A., Petriccione, M., Galasso, S., Piccolella, S., Di Giuseppe, A.M.A., Scortichini, M., Monaco, P. | 2014 | Food Research International | 64 | 188-199 |
| The impact of selective logging and clearcutting on forest structure, tree diversity and above-ground biomass of African tropical forests | Cazzolla Gatti, R., Castaldi, S., Lindsell, J.A., Coomes, D.A., Marchetti, M., Maesano, M., Di Paola, A., Paparella, F., Valentini, R. | 2014 | Ecological Research | 30 | 119-132 |
| Energy generation by air gasification of two industrial plastic wastes in a pilot scale fluidized bed reactor | Arena, U., Di Gregorio, F. | 2014 | Energy | 68 | 735-743 |
| Stimulation of androgen production by d-aspartate through the enhancement of StAR, P450scc and 3 β -HSD mRNA levels in vivo rat testis and in culture of immature rat Leydig cells | Raucci, F., D'Aniello, A., Di Fiore, M.M. | 2014 | Steroids | 84 | 103-110 |
| Shedding light on diatom photonics by means of digital holography | Di Caprio, G., Coppola, G., Stefano, L.D., Stefano, M.D., Antonucci, A., Congestri, R., Tommasi, E.D. | 2014 | Journal of Biophotonics | 7 | 341-350 |
| Basic quinolinonyl diketo acid derivatives as inhibitors of HIV integrase and their | Costi, R., Métifiot, M., Chung, S., Cuzzucoli Crucitti, G., Maddali, K., Pescatori, L., Messori, A., Madia, V.N., Pupo, G., Scipione, L., Tortorella, S., Di Leva, F.S., | 2014 | Journal of Medicinal Chemistry | 57 | 3223-3234 |

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| activity against RNase H function of reverse transcriptase | Cosconati, S., Marinelli, L., Novellino, E., Le Grice, S.F.J., Corona, A., Pommier, Y., Marchand, C., Di Santo, R. | | | | |
| Influence of seasonal variation on <i>Thymus longicaulis</i> C. Presl chemical composition and its antioxidant and anti-inflammatory properties | Galasso, S., Pacifico, S., Kretschmer, N., Pan, S.-P., Marciano, S., Piccolella, S., Monaco, P., Bauer, R. | 2014 | Phytochemistry | 107 | 80-90 |
| Synthesis and chemical characterization of new silica polyethylene glycol hybrid nanocomposite materials for controlled drug delivery | Catauro, M., Bollino, F., Papale, F., Gallicchio, M., Pacifico, S. | 2014 | Journal of Drug Delivery Science and Technology | 24 | 320-325 |
| Free D-aspartate regulates neuronal dendritic morphology, synaptic plasticity, gray matter volume and brain activity in mammals | Errico, F., Nisticò, R., Di Giorgio, A., Squillace, M., Vitucci, D., Galbusera, A., Piccinin, S., Mango, D., Fazio, L., Middei, S., Trizio, S., Mercuri, N.B., Teule, M.A., Centonze, D., Gozzi, A., Blasi, G., Bertolino, A., Usiello, A. | 2014 | Translational Psychiatry | 4 | - |
| Combined palaeomagnetic secular variation and petrophysical records to time-constrain geological and hazardous events: An example from the eastern Tyrrhenian Sea over the last 120ka | Iorio, M., Liddicoat, J., Budillon, F., Incoronato, A., Coe, R.S., Insinga, D.D., Cassata, W.S., Lubritto, C., Angelino, A., Tamburrino, S. | 2014 | Global and Planetary Change | 113 | 91-109 |
| Sorption of non-ionic organic pollutants onto a humic acids-zeolitic tuff adduct: Thermodynamic aspects | Leone, V., Iovino, P., Salvestrini, S., Capasso, S. | 2014 | Chemosphere | 95 | 75-80 |
| The Neapolitan Yellow Tuff caldera offshore the Campi Flegrei: Stratal architecture and kinematic reconstruction during the last 15ky | Sacchi, M., Pepe, F., Corradino, M., Insinga, D.D., Molisso, F., Lubritto, C. | 2014 | Marine Geology | 354 | 15-33 |
| Functional interplay between hepatitis B virus X protein and human miR-125a in HBV infection | Mosca, N., Castiello, F., Coppola, N., Trotta, M.C., Sagnelli, C., Pisaturo, M., Sagnelli, E., Russo, A., Potenza, N. | 2014 | Biochemical and Biophysical Research Communications | 449 | 141-145 |
| Clinical utility gene card for: Beckwith-Wiedemann Syndrome | Eggermann, T., Algar, E., Lapunzina, P., MacKay, D., Maher, E.R., Mannens, M., Netchine, I., Prawitt, D., Riccio, A., Temple, I.K., Weksberg, R. | 2014 | European Journal of Human Genetics | 22 | 435- |
| Dysfunctional dopaminergic neurotransmission in asocial BTBR mice | Squillace, M., Doderò, L., Federici, M., Migliarini, S., Errico, F., Napolitano, F., Krashia, P., Di Maio, A., Galbusera, A., Bifone, A., Scattoni, M.L., Pasqualetti, M., Mercuri, N.B., Usiello, A., Gozzi, A. | 2014 | Translational Psychiatry | 4 | - |

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| Recent advances in natural product-based anti-biofilm approaches to control infections | Buommino, E., Scognamiglio, M., Donnarumma, G., Fiorentino, A., D'Abrosca, B. | 2014 | Mini-Reviews in Medicinal Chemistry | 14 | 1169-1182 |
| RAPD-PCR analysis for molecular characterization and genotoxic studies of a new marine fish cell line derived from <i>Dicentrarchus labrax</i> | Rocco, L., Valentino, I.V., Scapigliati, G., Stingo, V. | 2014 | Cytotechnology | 66 | 383-393 |
| The PEG13-DMR and brain-specific enhancers dictate imprinted expression within the 8q24 intellectual disability risk locus | Court, F., Camprubi, C., Garcia, C.V., Guillaumet-Adkins, A., Sparago, A., Seruggia, D., Sandoval, J., Esteller, M., Martin-Trujillo, A., Riccio, A., Montoliu, L., Monk, D. | 2014 | Epigenetics and Chromatin | 7 | - |
| Comparing methods to analyse anatomical features of tree rings with and without intra-annual density fluctuations (IADFs) | De Micco, V., Battipaglia, G., Cherubini, P., Aronne, G. | 2014 | Dendrochronologia | 32 | 1-6 |
| Reclamation influence and background geochemistry of neutral saline soils in the Po River Delta Plain (Northern Italy) | Di Giuseppe, D., Faccini, B., Mastrocicco, M., Colombani, N., Coltorti, M. | 2014 | Environmental Earth Sciences | 72 | 2457-2473 |
| Sequence comparison and phylogenetic analysis by the Maximum Likelihood method of ribosome-inactivating proteins from angiosperms | Di Maro, A., Citores, L., Russo, R., Iglesias, R., Ferreras, J.M. | 2014 | Plant Molecular Biology | 85 | 575-588 |
| Estrogenic activity and cytotoxicity of six anticancer drugs detected in water systems | Parrella, A., Lavorgna, M., Criscuolo, E., Russo, C., Isidori, M. | 2014 | Science of the Total Environment | 485-486 | 216-222 |
| Formation of the inflammasome in acute myocarditis | Toldo, S., Kannan, H., Bussani, R., Anzini, M., Sonnino, C., Sinagra, G., Merlo, M., Mezzaroma, E., De-Giorgio, F., Silvestri, F., Van Tassell, B.W., Baldi, A., Abbate, A. | 2014 | International Journal of Cardiology | 171 | e119-e121 |
| D-aspartate affects NMDA receptor-extracellular signal-regulated kinase pathway and upregulates androgen receptor expression in the rat testis | Santillo, A., Falvo, S., Chieffi, P., Burrone, L., Chieffi Baccari, G., Longobardi, S., Di Fiore, M.M. | 2014 | Theriogenology | 81 | 744-751 |
| Structure-activity relationship refinement and further assessment of 4-phenylquinazoline-2-carboxamide translocator protein ligands as antiproliferative agents in human glioblastoma tumors | Castellano, S., Taliani, S., Viviano, M., Milite, C., Da Pozzo, E., Costa, B., Barresi, E., Bruno, A., Cosconati, S., Marinelli, L., Greco, G., Novellino, E., Sbardella, G., Da Settimo, F., Martini, C. | 2014 | Journal of Medicinal Chemistry | 57 | 2413-2428 |
| The clearance of misfolded proteins in neurodegenerative diseases by zinc | Malgieri, G., Grasso, G. | 2014 | Coordination Chemistry Reviews | 260 | 139-155 |

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| metalloproteases: An inorganic perspective | | | | | |
| New avenues for regulation of lipid metabolism by thyroid hormones and analogs | Senese, R., Lasala, P., Leanza, C., de Lange, P. | 2014 | Frontiers in Physiology | 5 | - |
| Biologically enabled sub-diffractive focusing | De Tommasi, E., De Luca, A.C., Lavanga, L., Dardano, P., De Stefano, M., De Stefano, L., Langella, C., Rendina, I., Dholakia, K., Mazilu, M. | 2014 | Optics Express | 22 | 27214-27227 |
| Dynamics of the Mount Nyiragongo lava lake | Burgi, P.-Y., Darrah, T.H., Tedesco, D., Eymold, W.K. | 2014 | Journal of Geophysical Research: Solid Earth | 119 | 4106-4122 |
| Small non-coding RNA signature in multiple sclerosis patients after treatment with interferon- β | De Felice, B., Mondola, P., Sasso, A., Orefice, G., Bresciamorra, V., Vacca, G., Biffali, E., Borra, M., Pannone, R. | 2014 | BMC Medical Genomics | 7 | - |
| Variation of the hydraulic properties and solute transport mechanisms in a silty-clay soil amended with natural zeolites | Colombani, N., Mastrocicco, M., Di Giuseppe, D., Faccini, B., Coltorti, M. | 2014 | Catena | 123 | 195-204 |
| Energy performance strategies for the large scale introduction of geothermal energy in residential and industrial buildings: The GEO.POWER project | Giambastiani, B.M.S., Tinti, F., Mendrinòs, D., Mastrocicco, M. | 2014 | Energy Policy | 65 | 315-322 |
| Zinc to cadmium replacement in the prokaryotic zinc-finger domain | Malgieri, G., Palmieri, M., Esposito, S., Maione, V., Russo, L., Baglivo, I., De Paola, I., Milardi, D., Diana, D., Zaccaro, L., Pedone, P.V., Fattorusso, R., Isernia, C. | 2014 | Metallomics | 6 | 96-104 |
| Synthesis of zirconia/polyethylene glycol hybrid materials by sol-gel processing and connections between structure and release kinetic of indomethacin | Catauro, M., Bollino, F., Papale, F., Pacifico, S., Galasso, S., Ferrara, C., Mustarelli, P. | 2014 | Drug Delivery | 21 | 595-604 |
| Non-metastatic 2 (NME2)-mediated suppression of lung cancer metastasis involves transcriptional regulation of key cell adhesion factor vinculin | Thakur, R.K., Yadav, V.K., Kumar, A., Singh, A., Pal, K., Hoepfner, L., Saha, D., Purohit, G., Basundra, R., Kar, A., Halder, R., Kumar, P., Baral, A., Kumar, M.J.M., Baldi, A., Vincenzi, B., Lorenzon, L., Banerjee, R., Kumar, P., Shridhar, V., Mukhopadhyay, D., Chowdhury, S. | 2014 | Nucleic Acids Research | 42 | 11589-11600 |
| Neuroprotective potential of Laurus nobilis antioxidant polyphenol-enriched leaf extracts | Pacifico, S., Gallicchio, M., Lorenz, P., Duckstein, S.M., Potenza, N., Galasso, S., Marciano, S., Fiorentino, A., Stintzing, F.C., Monaco, P. | 2014 | Chemical Research in Toxicology | 27 | 611-626 |

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| Hairpin oligonucleotides forming G-quadruplexes: New aptamers with anti-HIV activity | Romanucci, V., Gaglione, M., Messere, A., Potenza, N., Zarrelli, A., Noppen, S., Liekens, S., Balzarini, J., Di Fabio, G. | 2014 | European Journal of Medicinal Chemistry | 89 | 51-58 |
| Outcomes in Thread Lift for Facial Rejuvenation: a Study Performed with Happy Lift™ Revitalizing | Savoia, A., Accardo, C., Vannini, F., Di Pasquale, B., Baldi, A. | 2014 | Dermatology and Therapy | 4 | 103-114 |
| The E1 beta-subunit of pyruvate dehydrogenase is surface-expressed in Lactobacillus plantarum and binds fibronectin | Vastano, V., Salzillo, M., Siciliano, R.A., Muscariello, L., Sacco, M., Marasco, R. | 2014 | Microbiological Research | 169 | 121-127 |
| Ecotoxicological evaluation of caffeine and its derivatives from a simulated chlorination step | Zarrelli, A., DellaGreca, M., Iesce, M.R., Lavorgna, M., Temussi, F., Schiavone, L., Criscuolo, E., Parrella, A., Previtera, L., Isidori, M. | 2014 | Science of the Total Environment | 470-471 | 453-458 |
| Deciphering the zinc coordination properties of the prokaryotic zinc finger domain: The solution structure characterization of Ros87 H42A functional mutant | Palmieri, M., Russo, L., Malgieri, G., Esposito, S., Baglivo, I., Rivellino, A., Farina, B.M., De Paola, I., Zaccaro, L., Milardi, D., Isernia, C., Pedone, P.V., Fattorusso, R. | 2014 | Journal of Inorganic Biochemistry | 131 | 30-36 |
| Reaction between (Z)-Arylchlorooximes and α -Isocynoacetamides: A procedure for the synthesis of Aryl- α -ketoamide amides | Giustiniano, M., Mercalli, V., Cassese, H., Di Maro, S., Galli, U., Novellino, E., Tron, G.C. | 2014 | Journal of Organic Chemistry | 79 | 6006-6014 |
| Toxicity of exposure to binary mixtures of four anti-neoplastic drugs in Daphnia magna and Ceriodaphnia dubia | Parrella, A., Kundi, M., Lavorgna, M., Criscuolo, E., Russo, C., Isidori, M. | 2014 | Aquatic Toxicology | 157 | 41-46 |
| T cell activation induces CuZn superoxide dismutase (SOD)-1 intracellular re-localization, production and secretion | Terrazzano, G., Rubino, V., Damiano, S., Sasso, A., Petrozziello, T., Ucci, V., Palatucci, A.T., Giovazzino, A., Santillo, M., De Felice, B., Garbi, C., Mondola, P., Ruggiero, G. | 2014 | Biochimica et Biophysica Acta - Molecular Cell Research | 1843 | 265-274 |
| Dopaminergic dysfunction is associated with IL-1 β -dependent mood alterations in experimental autoimmune encephalomyelitis | Gentile, A., Freseghna, D., Federici, M., Musella, A., Rizzo, F.R., Sepman, H., Bullitta, S., De Vito, F., Haji, N., Rossi, S., Mercuri, N.B., Usiello, A., Mandolesi, G., Centonze, D. | 2014 | Neurobiology of Disease | 74 | 347-358 |
| Altered brain protein expression profiles are associated with molecular neurological dysfunction in the PKU mouse model | Imperlini, E., Orrù, S., Corbo, C., Daniele, A., Salvatore, F. | 2014 | Journal of Neurochemistry | 129 | 1002-1012 |
| Occurrence and distribution of key potentially toxic elements (PTEs) in agricultural soils: A paradigmatic case | Capra, G.F., Coppola, E., Odierna, P., Grilli, E., Vacca, S., Buondonno, A. | 2014 | Journal of Geochemical Exploration | 145 | 169-180 |

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| study in an area affected by illegal landfills | | | | | |
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Sezione E - Internazionalizzazione

| ▶ QUADRO E.1 E.1 Pubblicazioni con coautori stranieri | | | | | |
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| Titolo | Autori | Anno | Giornale | Volume | Pagine |
| The sucrose-trehalose 6-phosphate (Tre6P) nexus: Specificity and mechanisms of sucrose signalling by | Yadav, U.P., Ivakov, A., Feil, R., Duan, G.Y., Walther, D., Giavalisco, P., Piques, M., Carillo, P., Hubberten, H.-M., Stitt, M., Lunn, J.E. | 2014 | Journal of Experimental Botany | 65 | 1051-1068 |
| A full greenhouse gases budget of africa: Synthesis, uncertainties, and vulnerabilities | Valentini, R., Armeth, A., Bombelli, A., Castaldi, S., Cazzolla Gatti, R., Chevallier, F., Ciais, P., Grieco, E., Hartmann, J., Henry, M., Houghton, R.A., Jung, M., Kutsch, W.L., Malhi, Y., Mayorga, E., Merbold, L., Murray-Tortarolo, G., Papale, D., Peylin, P., Poulter, B., Raymond, P.A., Santini, M., Sitch, S., Vaglio Laurin, G., Van Der Werf, G.R., Williams, C.A., Scholes, R.J. | 2014 | Biogeosciences | 11 | 381-407 |
| Interactive effects of n-TiO ₂ and 2,3,7,8-TCDD on the marine bivalve <i>Mytilus galloprovincialis</i> | Canesi, L., Frenzilli, G., Balbi, T., Bernardeschi, M., Ciacci, C., Corsolini, S., Della Torre, C., Fabbri, R., Faleri, C., Focardi, S., Guidi, P., Kočan, A., Marcomini, A., Mariottini, M., Nigro, M., Pozo-Gallardo, K., Rocco, L., Scarcelli, V., Smerilli, A., Corsi, I. | 2014 | Aquatic Toxicology | 153 | 53-65 |
| Seasonal transfer of oxygen isotopes from precipitation and soil to the tree ring: Source water versus needle water enrichment | Treydte, K., Boda, S., Graf Pannatier, E., Fonti, P., Frank, D., Ullrich, B., Saurer, M., Siegwolf, R., Battipaglia, G., Werner, W., Gessler, A. | 2014 | New Phytologist | 202 | 772-783 |
| Strategies of attack and defence in woody plant-Phytophthora interactions | Oßwald, W., Fleischmann, F., Rigling, D., Coelho, A.C., Cravador, A., Diez, J., Dalio, R.J., Horta Jung, M., Pfanz, H., Robin, C., Sipos, G., Solla, A., Cech, T., Chambery, A., Diamandis, S., Hansen, E., Jung, T., Orlikowski, L.B., Parke, J., Prospero, S., Werres, S. | 2014 | Forest Pathology | 44 | 169-190 |
| Drought impact on water use efficiency and intra-annual density fluctuations in <i>Erica arborea</i> on Elba (Italy) | Battipaglia, G., De Micco, V., Brand, W.A., Saurer, M., Aronne, G., Linke, P., Cherubini, P. | 2014 | Plant, Cell and Environment | 37 | 382-391 |
| Cancer-Selective Targeting of the Nf-KB Survival Pathway With Gadd45B/Mkk7 Inhibitors | Tornatore, L., Sandomenico, A., Raimondo, D., Low, C., Rocci, A., Tralau-Stewart, C., Capece, D., D'Andrea, D., Bua, M., Boyle, E., vanDuin, M., Zoppoli, P., Jaxa-Chamiec, A., Thotakura, A., Dyson, J., Walker, B., Leonardi, A., Chambery, A., Driessen, | 2014 | Cancer Cell | 26 | 495-508 |

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| Saliva from obese individuals suppresses the release of aroma compounds from wine | Piombino, P., Genovese, A., Esposito, S., Moio, L., Cutolo, P.P., Chambery, A., Severino, V., Moneta, E., Smith, D.P., Owens, S.M., Gilbert, J.A., Ercolini, D. | 2014 | PLoS ONE | 9 | - |
| Selective non-nucleoside inhibitors of human DNA methyltransferases active in cancer including in cancer stem cells | Valente, S., Liu, Y., Schnekenburger, M., Zwergel, C., Cosconati, S., Gros, C., Tardugno, M., Labella, D., Florean, C., Minden, S., Hashimoto, H., Chang, Y., Zhang, X., Kirsch, G., Novellino, E., Arimondo, P.B., Miele, E., Ferretti, E., Gulino, A., Diederich, M., Cheng, X., Mai, A. | 2014 | Journal of Medicinal Chemistry | 57 | 701-713 |
| miR-338-3p is over-expressed in blood, CFS, serum and spinal cord from sporadic amyotrophic lateral sclerosis patients | De Felice, B., Annunziata, A., Fiorentino, G., Borra, M., Biffali, E., Coppola, C., Cotrufo, R., Bretschneider, J., Giordana, M.L., Dalmay, T., Wheeler, G., D'Alessandro, R. | 2014 | Neurogenetics | 15 | 243-253 |
| Identification of highly conserved residues involved in inhibition of HIV-1 RNase H function by diketo acid derivatives | Corona, A., Di Leva, F.S., Thierry, S., Pescatori, L., Crucitti, G.C., Subra, F., Delelis, O., Esposito, F., Rigogliuso, G., Costi, R., Cosconati, S., Novellino, E., Di Santo, R., Tramontano, E. | 2014 | Antimicrobial Agents and Chemotherapy | 58 | 6101-6110 |
| Soil quality recovery and crop yield enhancement by combined application of compost and wood to vegetables grown under plastic tunnels | Bonanomi, G., D'Ascoli, R., Scotti, R., Gaglione, S.A., Caceres, M.G., Sultana, S., Scelza, R., Rao, M.A., Zoia, A. | 2014 | Agriculture, Ecosystems and Environment | 192 | 1-7 |
| Detailed multidisciplinary monitoring reveals pre- and co-eruptive signals at Nyamulagira volcano (North Kivu, Democratic Republic of Congo) | Smets, B., d'Oreye, N., Kervyn, F., Kervyn, M., Albino, F., Arellano, S.R., Bagalwa, M., Balagizi, C., Carn, S.A., Darrah, T.H., Fernández, J., Galle, B., González, P.J., Head, E., Karume, K., Kavotha, D., Lukaya, F., Mashagiro, N., Mavonga, G., Norman, P., Osodundu, E., Pallero, J.L.G., Prieto, J.F., Samsonov, S., Syauswa, M., Tedesco, D., Tiampo, K., Wauthier, C., Yalire, M.M. | 2014 | Bulletin of Volcanology | 76 | 1-35 |
| The impact of selective logging and clearcutting on forest structure, tree diversity and above-ground biomass of African tropical forests | Cazzolla Gatti, R., Castaldi, S., Lindsell, J.A., Coomes, D.A., Marchetti, M., Maesano, M., Di Paola, A., Paparella, F., Valentini, R. | 2014 | Ecological Research | 30 | 119-132 |
| Shedding light on diatom photonics by means of digital holography | Di Caprio, G., Coppola, G., Stefano, L.D., Stefano, M.D., Antonucci, A., Congestri, R., Tommasi, E.D. | 2014 | Journal of Biophotonics | 7 | 341-350 |
| Basic quinolinonyl diketo acid derivatives as inhibitors of HIV integrase and their | Costi, R., Métifiot, M., Chung, S., Cuzzucoli Crucitti, G., Maddali, K., Pescatori, L., Messori, A., Madia, V.N., Pupo, G., Scipione, L., Tortorella, S., Di Leva, | 2014 | Journal of Medicinal Chemistry | 57 | 3223-3234 |

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| Free D-aspartate regulates neuronal dendritic morphology, synaptic plasticity, gray matter volume and brain activity in mammals | Errico, F., Nisticò, R., Di Giorgio, A., Squillace, M., Vitucci, D., Galbusera, A., Piccinin, S., Mango, D., Fazio, L., Middei, S., Trizio, S., Mercuri, N.B., Teule, M.A., Centonze, D., Gozzi, A., Blasi, G., Bertolino, A., Usiello, A. | 2014 | Translational Psychiatry | 4 | - |
| Combined palaeomagnetic secular variation and petrophysical records to time-constrain geological and hazardous events: An example from the eastern Tyrrhenian Sea over the last 120ka | Iorio, M., Liddicoat, J., Budillon, F., Incoronato, A., Coe, R.S., Insinga, D.D., Cassata, W.S., Lubritto, C., Angelino, A., Tamburrino, S. | 2014 | Global and Planetary Change | 113 | 91-109 |
| Clinical utility gene card for: Beckwith-Wiedemann Syndrome | Eggermann, T., Algar, E., Lapunzina, P., MacKay, D., Maher, E.R., Mannens, M., Netchine, I., Prawitt, D., Riccio, A., Temple, I.K., Weksberg, R. | 2014 | European Journal of Human Genetics | 22 | 435- |
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| Sequence comparison and phylogenetic analysis by the Maximum Likelihood method of ribosome-inactivating proteins from angiosperms | Di Maro, A., Citores, L., Russo, R., Iglesias, R., Ferreras, J.M. | 2014 | Plant Molecular Biology | 85 | 575-588 |
| Formation of the inflammasome in acute myocarditis | Toldo, S., Kannan, H., Bussani, R., Anzini, M., Sonnino, C., Sinagra, G., Merlo, M., Mezzaroma, E., De-Giorgio, F., Silvestri, F., Van Tassell, B.W., Baldi, A., Abbate, A. | 2014 | International Journal of Cardiology | 171 | e119-e121 |
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| Non-metastatic 2 (NME2)-mediated suppression of lung cancer metastasis involves transcriptional regulation of key cell adhesion factor vinculin | Thakur, R.K., Yadav, V.K., Kumar, A., Singh, A., Pal, K., Hoepfner, L., Saha, D., Purohit, G., Basundra, R., Kar, A., Halder, R., Kumar, P., Baral, A., Kumar, M.J.M., Baldi, A., Vincenzi, B., Lorenzon, L., Banerjee, R., Kumar, P., Shridhar, V., Mukhopadhyay, D., Chowdhury, S. | 2014 | Nucleic Acids Research | 42 | 11589-11600 |
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| Toxicity of exposure to binary mixtures of four anti-neoplastic drugs in Daphnia magna and Ceriodaphnia dubia | Parrella, A., Kundi, M., Lavorgna, M., Criscuolo, E., Russo, C., Isidori, M. | 2014 | Aquatic Toxicology | 157 | 41-46 |
| Synthesis, biophysical characterization and anti-HIV activity of d(TG 3AG) Quadruplexes bearing hydrophobic tails at the 5'-end | Romanucci, V., Milardi, D., Campagna, T., Gaglione, M., Messere, A., D'Urso, A., Crisafi, E., La Rosa, C., Zarrelli, A., Balzarini, J., Di Fabio, G. | 2014 | Bioorganic and Medicinal Chemistry | 22 | 960-966 |
| A 'Geo-Pedo-Fingerprint' (GPF) as a tracer to detect univocal parent material-to-wine production chain in high quality vineyard districts, Campi Flegrei (Southern Italy) | Mercurio, M., Grilli, E., Odierna, P., Morra, V., Prohaska, T., Coppola, E., Grifa, C., Buondonno, A., Langella, A. | 2014 | Geoderma | 230-231 | 64-78 |
| Isotopic and anatomical signals for interpreting fire-related responses in pinus halepensis | Battipaglia, G., de Micco, V., Fournier, T., Aronne, G., Carcaillet, C. | 2014 | Trees - Structure and Function | 28 | 1095-1104 |
| Definition of novel electrochemotherapy parameters and validation of their in vitro and in vivo effectiveness | Spugnini, E.P., Melillo, A., Quagliuolo, L., Boccellino, M., Vincenzi, B., Pasquali, P., Baldi, A. | 2014 | Journal of Cellular Physiology | 229 | 1177-1181 |

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| Quality of Life (QoL) assessment in a cohort of patients with Phenylketonuria | Cazzorla, C., Cegolon, L., Burlina, A.P., Celato, A., Massa, P., Giordano, L., Polo, G., Daniele, A., Salvatore, F., Burlina, A.B. | 2014 | BMC Public Health | 14 | - |
| Warming-related growth responses at the southern limit distribution of mountain pine (<i>Pinus mugo</i> Turra subsp. <i>mugo</i>) | Palombo, C., Battipaglia, G., Cherubini, P., Chirici, G., Garfi, V., Lasserre, B., Lombardi, F., Marchetti, M., Tognetti, R. | 2014 | Journal of Vegetation Science | 25 | 571-583 |
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| Cyanidiophyceae in Iceland: Plastid <i>rbcl</i> gene elucidates origin and dispersal of extremophilic <i>Galdieria sulphuraria</i> and <i>G. maxima</i> (Galdieriaceae, Rhodophyta) | Ciniglia, C., Yang, E.C., Pollio, A., Pinto, G., Iovinella, M., Vitale, L., Yoon, H.S. | 2014 | Phycologia | 53 | 542-551 |
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| Chemical interactions between plants in Mediterranean vegetation: The influence | Scognamiglio, M., Fiumano, V., D'Abrosca, B., Esposito, A., Choi, Y.H., Verpoorte, R., Fiorentino, A. | 2014 | Phytochemistry | 106 | 69-85 |

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| Animal husbandry during Early and High Middle Ages in the Basque Country (Spain) | Sirignano, C., Grau Sologestoa, I., Ricci, P., García-Collado, M.I., Altieri, S., Quirós Castillo, J.A., Lubritto, C. | 2014 | Quaternary International | 346 | 138-148 |
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| Long-Term effects of climate and land-use change on larch budmoth outbreaks in the French Alps | Battipaglia, G., Büntgen, U., McCloskey, S.P.J., Blarquez, O., Denis, N., Paradis, L., Brossier, B., Fournier, T., Carcaillet, C. | 2014 | Climate Research | 62 | 1-14 |
| Passive degassing at Nyiragongo (D.R. Congo) and Etna (Italy) volcanoes | Calabrese, S., Scaglione, S., Milazzo, S., D'Alessandro, W., Bobrowski, N., Giuffrida, G.B., Tedesco, D., Parello, F., Yalire, M. | 2014 | Annals of Geophysics | 57 | - |
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| Comparison of phenolic compounds' content and antioxidant activity between some native Iranian apples and standard cultivar 'gala' | Faramarzi, S.H., Yadollahi, A., Barzegar, M., Sadraei, K., Pacifico, S., Jemric, T. | 2014 | Journal of Agricultural Science and Technology | 16 | 1601-1611 |
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| Skin Cancer: A Practical Approach | Baldi, A., Pasquali, P., Spugnini, E.P. | 2014 | Skin Cancer: A Practical Approach | - | 1-569 |
| Molecular profiling of the <i>Phytophthora plurivora</i> secretome: A step towards understanding the cross-Talk between plant pathogenic oomycetes and their hosts | Severino, V., Farina, A., Fleischmann, F., Dalio, R.J.D., Di Maro, A., Scognamiglio, M., Fiorentino, A., Parente, A., Osswald, W., Chambery, A. | 2014 | PLoS ONE | 9 | - |
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| Wood structure in plant biology and ecology | Battipaglia, G., de Micco, V., Sass-Klaassen, U., Charubini, P. | 2014 | Dendrochronologia | 32 | 282-283 |
| Combining focusing properties of a single diatom valve with optical eigenmodes in ultra-shrinking of light | Lavanga, L., De Tommasi, E., De Luca, A.C., Dardano, P., De Stefano, M., De Stefano, L., Rendina, I., Dholakia, K., Mazilu, M. | 2014 | Proceedings of SPIE - The International Society for Optical Engineering | 8999 | - |
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| Imprinting disorders: a group of congenital disorders with overlapping patterns of molecular changes affecting imprinted loci | Eggermann, T., Perez de Nanclares, G., Maher, E.R., Temple, I.K., Tümer, Z., Monk, D., Mackay, D.J.G., Grønskov, K., Riccio, A., Linglart, A., Netchine, I. | 2015 | Clinical Epigenetics | 7 | - |
| Imprinting disorders: a group of congenital disorders with overlapping patterns of molecular changes affecting imprinted loci | Eggermann, T., Perez de Nanclares, G., Maher, E.R., Temple, I.K., Tümer, Z., Monk, D., Mackay, D.J.G., Grønskov, K., Riccio, A., Linglart, A., Netchine, I. | 2015 | Clinical Epigenetics | 7 | - |
| Titanium dioxide nanoparticles modulate the toxicological response to cadmium in the gills of <i>Mytilus galloprovincialis</i> | Della Torre, C., Balbi, T., Grassi, G., Frenzilli, G., Bernardeschi, M., Smerilli, A., Guidi, P., Canesi, L., Nigro, M., Monaci, F., Scarcelli, V., Rocco, L., Focardi, S., Monopoli, M., Corsi, I. | 2015 | Journal of Hazardous Materials | 297 | 92-100 |
| Which matters most for the formation of intra-annual density fluctuations in <i>Pinus pinaster</i> : age or size? | Campelo, F., Vieira, J., Battipaglia, G., de Luis, M., Nabais, C., Freitas, H., Cherubini, P. | 2015 | Trees - Structure and Function | 29 | 237-245 |
| A unique capsular polysaccharide structure from the psychrophilic marine bacterium <i>Colwellia psychrerythraea</i> 34H that mimics antifreeze (glyco)proteins | Carillo, S., Casillo, A., Pieretti, G., Parrilli, E., Sannino, F., Bayer-Giraldi, M., Cosconati, S., Novellino, E., Ewert, M., Deming, J.W., Lanzetta, R., Marino, G., Parrilli, M., Randazzo, A., Tutino, M.L., Corsaro, M.M. | 2015 | Journal of the American Chemical Society | 137 | 179-189 |

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| Influence of titanium dioxide nanoparticles on 2,3,7,8-tetrachlorodibenzo-p-dioxin bioconcentration and toxicity in the marine fish European sea bass (<i>Dicentrarchus labrax</i>) | Della Torre, C., Buonocore, F., Frenzilli, G., Corsolini, S., Brunelli, A., Guidi, P., Kocan, A., Mariottini, M., Mottola, F., Nigro, M., Pozo, K., Randelli, E., Vannuccini, M.L., Picchietti, S., Santonastaso, M., Scarcelli, V., Focardi, S., Marcomini, A., Rocco, L., Scapigliati, G., Corsi, I. | 2015 | Environmental Pollution | 196 | 185-193 |
| Seasonal variation in phenolic composition and antioxidant and anti-inflammatory activities of <i>Calamintha nepeta</i> (L.) Savi | Pacifico, S., Galasso, S., Piccolella, S., Kretschmer, N., Pan, S.-P., Marciano, S., Bauer, R., Monaco, P. | 2015 | Food Research International | 69 | 121-132 |
| A role for D-aspartate oxidase in schizophrenia and in schizophrenia-related symptoms induced by phencyclidine in mice | Errico, F., D'Argenio, V., Sforazzini, F., Iasevoli, F., Squillace, M., Guerri, G., Napolitano, F., Angrisano, T., Di Maio, A., Keller, S., Vitucci, D., Galbusera, A., Chiariotti, L., Bertolino, A., De Bartolomeis, A., Salvatore, F., Gozzi, A., Usiello, A. | 2015 | Translational Psychiatry | 5 | - |
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| D-Aspartate: An endogenous NMDA receptor agonist enriched in the developing brain with potential involvement in schizophrenia | Errico, F., Mothet, J.-P., Usiello, A. | 2015 | Journal of Pharmaceutical and Biomedical Analysis | 116 | 7-17 |
| Src inhibitors act through different mechanisms in Non-Small Cell Lung Cancer models depending on EGFR and RAS mutational status | Formisano, L., Valentina D'Amato, , Servetto, A., Brillante, S., Raimondo, L., Mauro, C.D., Marciano, R., Orsini, R.C., Cosconati, S., Randazzo, A., Parsons, S.J., Montuori, N., Veneziani, B.M., Placido, S.D., Rosa, R., Bianco, R. | 2015 | Oncotarget | 6 | 26090-26103 |
| BMP-2, hypoxia, and COL1A1/Htra1 siRNAs favor neo-cartilage hyaline matrix formation in chondrocytes | Ollitrault, D., Legendre, F., Drougard, C., Briand, M., Benateau, H., Goux, D., Chajra, H., Poulain, L., Hartmann, D., Vivien, D., Shridhar, V., Baldi, A., Mallein-Gerin, F., Boumediene, K., Demoor, M., Galera, P. | 2015 | Tissue Engineering - Part C: Methods | 21 | 133-147 |
| Rheology of natural slurries involved in a rapid mudflow with different soil organic carbon content | Carotenuto, C., Merola, M.C., Álvarez-Romero, M., Coppola, E., Minale, M. | 2015 | Colloids and Surfaces A: Physicochemical and Engineering Aspects | 466 | 57-65 |
| Diatoms and other epibionts associated with Olive Ridley (<i>Lepidochelys olivacea</i>) | Majewska, R., Santoro, M., Bolaños, F., Chaves, G., De Stefano, M. | 2015 | PLoS ONE | 10 | - |

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|---|--|------|---------------------------------------|-----|-----------|
| sea turtles from the Pacific Coast of Costa Rica | | | | | |
| GnIH and GnRH expressions in the central nervous system and pituitary of Indian major carp, <i>Labeo rohita</i> during ontogeny: An immunocytochemical study | Biswas, S., Jadhao, A.G., Pinelli, C., Palande, N.V., Tsutsui, K. | 2015 | General and Comparative Endocrinology | 220 | 88-92 |
| Gas emission strength and evolution of the molar ratio of BrO/SO ₂ in the plume of Nyiragongo in comparison to Etna | Bobrowski, N., von Glasow, R., Giuffrida, G.B., Tedesco, D., Aiuppa, A., Yalire, M., Arellano, S., Johansson, M., Galle, B. | 2015 | Journal of Geophysical Research | 120 | 277-291 |
| Core-shell hybrid nanocapsules for oral delivery of camptothecin: formulation development, in vitro and in vivo evaluation | Ünal, H., d'Angelo, I., Pagano, E., Borrelli, F., Izzo, A., Ungaro, F., Quaglia, F., Bilensoy, E. | 2015 | Journal of Nanoparticle Research | 17 | - |
| Biological activities of the antiviral protein BE27 from sugar beet (<i>Beta vulgaris</i> L.) | Iglesias, R., Citores, L., Di Maro, A., Ferreras, J.M. | 2015 | Planta | 241 | 421-433 |
| Tree-ring carbon and oxygen isotopes indicate different water use strategies in three Mediterranean shrubs at Capo Caccia (Sardinia, Italy) | Altieri, S., Mereu, S., Cherubini, P., Castaldi, S., Sirignano, C., Lubritto, C., Battipaglia, G. | 2015 | Trees - Structure and Function | 29 | 1593-1603 |
| Chelonicola and poulinea, two new gomphonemoid diatom genera (Bacillariophyta) living on marine turtles from costa rica | Majewska, R., Kociolek, J.P., Thomas, E.W., de Stefano, M., Santoro, M., Bolaños, F., Van De Vijver, B. | 2015 | Phytotaxa | 233 | 236-250 |
| An ancestral host defence peptide within human β -defensin 3 recapitulates the antibacterial and antiviral activity of the full-length molecule | Nigro, E., Colavita, I., Sarnataro, D., Scudiero, O., Zambrano, G., Granata, V., Daniele, A., Carotenuto, A., Galdiero, S., Folliero, V., Galdiero, M., Urbanowicz, R.A., Ball, J.K., Salvatore, F., Pessi, A. | 2015 | Scientific Reports | 5 | - |
| Pine afforestation decreases the long-term performance of understory shrubs in a semi-arid Mediterranean ecosystem: A stable isotope approach | Moreno-Gutiérrez, C., Battipaglia, G., Cherubini, P., Delgado Huertas, A., Querejeta, J.I. | 2015 | Functional Ecology | 29 | 15-25 |
| N-Substituted Quinolinonyl Diketo Acid Derivatives as HIV Integrase Strand Transfer Inhibitors and Their Activity against RNase H Function of Reverse Transcriptase | Pescatori, L., Métifiot, M., Chung, S., Masoaka, T., Cuzzucoli Crucitti, G., Messori, A., Pupo, G., Madia, V.N., Saccoliti, F., Scipione, L., Tortorella, S., Di Leva, F.S., Cosconati, S., Marinelli, L., Novellino, E., Le Grice, S.F.J., Pommier, Y., Marchand, C., Costi, R., Di Santo, R. | 2015 | Journal of Medicinal Chemistry | 58 | 4610-4623 |
| Congenital imprinting disorders: Euclid.net -a network to decipher their aetiology and to improve the diagnostic and clinical care | Eggermann, T., Netchine, I., Temple, K., Tümer, Z., Monk, D., Mackay, D., Grønskov, K., Riccio, A., Linglart, A., Maher, E.R. | 2015 | Clinical Epigenetics | 7 | - |

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| Insulin like growth factor 2 expression in the rat brain both in basal condition and following learning predominantly derives from the maternal allele | Ye, X., Kohtz, A., Pollonini, G., Riccio, A., Alberini, C.M. | 2015 | PLoS ONE | 10 | - |
| NMR structure and dynamics of the resuscitation promoting factor RpfC catalytic domain | Maione, V., Ruggiero, A., Russo, L., De Simone, A., Pedone, P.V., Malgieri, G., Berisio, R., Isernia, C. | 2015 | PLoS ONE | 10 | - |
| Photochemical fate and eco-genotoxicity assessment of the drug etodolac | Passananti, M., Lavorgna, M., Iesce, M.R., DellaGreca, M., Brigante, M., Criscuolo, E., Cermola, F., Isidori, M. | 2015 | Science of the Total Environment | 518-519 | 258-265 |
| CIKS/DDX3X interaction controls the stability of the Zc3h12a mRNA induced by IL-17 | Somma, D., Mastrovito, P., Grieco, M., Lavorgna, A., Pignalosa, A., Formisano, L., Salzano, A.M., Scaloni, A., Pacifico, F., Siebenlist, U., Leonardi, A. | 2015 | Journal of Immunology | 194 | 3286-3294 |
| De-regulated expression of the BRG1 chromatin remodeling factor in bone marrow mesenchymal stromal cells induces senescence associated with the silencing of NANOG and changes in the levels of chromatin proteins | Squillaro, T., Severino, V., Alessio, N., Farina, A., Di Bernardo, G., Cipollaro, M., Peluso, G., Chambery, A., Galderisi, U. | 2015 | Cell Cycle | 14 | 1315-1326 |
| Inorganic contaminants from diffuse pollution in shallow groundwater of the Campanian Plain (Southern Italy). Implications for geochemical survey | Cuoco, E., Darrah, T.H., Buono, G., Verrengia, G., De Francesco, S., Eymold, W.K., Tedesco, D. | 2015 | Environmental Monitoring and Assessment | 187 | - |
| Red-fleshed Apples: Old Autochthonous Fruits as a Novel Source of Anthocyanin Antioxidants | Faramarzi, S., Pacifico, S., Yadollahi, A., Lettieri, A., Nocera, P., Piccolella, S. | 2015 | Plant Foods for Human Nutrition | 70 | 324-330 |
| Fate of arsenic, phosphate and ammonium plumes in a coastal aquifer affected by saltwater intrusion | Colombani, N., Mastrocicco, M., Prommer, H., Sbarbati, C., Petitta, M. | 2015 | Journal of Contaminant Hydrology | 179 | 116-131 |
| Combined use of compost and wood scraps to increase carbon stock and improve soil quality in intensive farming systems | Scotti, R., D'Ascoli, R., Gonzalez Caceres, M., Bonanomi, G., Sultana, S., Cozzolino, L., Scelza, R., Zoina, A., Rao, M.A. | 2015 | European Journal of Soil Science | 66 | 463-475 |
| Field and microcosms decomposition dynamics of European beech leaf litter: Influence of climate, plant material and soil with focus on N and Mn | Innangi, M., Schenk, M.K., d'Alessandro, F., Pinto, S., Menta, C., Papa, S., Fioretto, A. | 2015 | Applied Soil Ecology | 93 | 88-97 |
| Neuroanatomical organization of the brain gonadotropin-inhibitory hormone and gonadotropin-releasing hormone systems in the frog <i>Pelophylax esculentus</i> | Pinelli, C., Jadhao, A.G., Biswas, S.P., Tsutsui, K., D'Aniello, B. | 2015 | Brain, Behavior and Evolution | 85 | 15-28 |

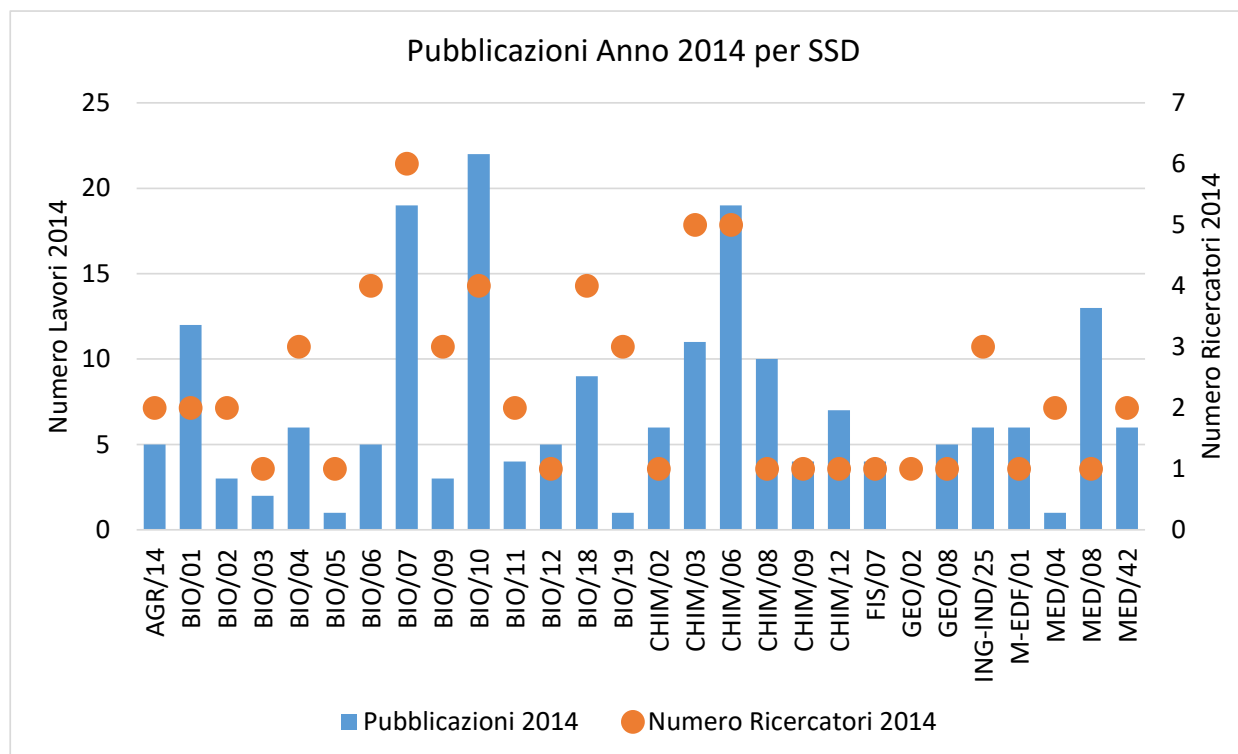
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|---|--|------|--|-----|-------------|
| Investigation of new 2-aryl substituted Benzothioopyrano[4,3-d]pyrimidines as kinase inhibitors targeting vascular endothelial growth factor receptor 2 | Salerno, S., Marini, A.M., Fornaciari, G., Simorini, F., La Motta, C., Taliani, S., Sartini, S., Da Settimo, F., García-Argaéz, A.N., Gia, O., Cosconati, S., Novellino, E., D'Ocon, P., Fioravanti, A., Orlandi, P., Bocci, G., Dalla Via, L. | 2015 | European Journal of Medicinal Chemistry | 103 | 29-43 |
| Convento di San Francesco a Folloni: The function of a medieval franciscan friary seen through the burials | Torino, M., Boldsen, J.L., Tarp, P., Rasmussen, K.L., Skytte, L., Nielsen, L., Schiavone, S., Terrasi, F., Passariello, I., Ricci, P., Lubritto, C. | 2015 | Heritage Science | 3 | - |
| Performance of different assessment methods to evaluate contaminant sources and fate in a coastal aquifer | Sbarbati, C., Colombani, N., Mastrocicco, M., Aravena, R., Petitta, M. | 2015 | Environmental Science and Pollution Research | 22 | 15536-15548 |
| Discovery of N-aryl-naphthylamines as in vitro inhibitors of the interaction between HIV integrase and the cofactor LEDGF/p75 | Cuzzucoli Crucitti, G., Pescatori, L., Messori, A., Madia, V.N., Pupo, G., Saccoliti, F., Scipione, L., Tortorella, S., Di Leva, F.S., Cosconati, S., Novellino, E., Debyser, Z., Christ, F., Costi, R., Di Santo, R. | 2015 | European Journal of Medicinal Chemistry | 101 | 288-294 |
| Differentiating natural and anthropogenic impacts on water quality in a hydrothermal coastal aquifer (Mondragone Plain, Southern Italy) | Cuoco, E., Darrah, T.H., Buono, G., Eymold, W.K., Tedesco, D. | 2015 | Environmental Earth Sciences | 73 | 7115-7134 |
| Revisiting the Priestley-Taylor method for the assessment of reference crop evapotranspiration in Italy | Aschonitis, V., Demertzi, K., Papamichail, D., Colombani, N., Mastrocicco, M. | 2015 | Italian Journal of Agrometeorology | 20 | 5-18 |
| ¹ H NMR based metabolic profiling of eleven Algerian aromatic plants and evaluation of their antioxidant and cytotoxic properties | Brahmi, N., Scognamiglio, M., Pacifico, S., Mekhoukhe, A., Madani, K., Fiorentino, A., Monaco, P. | 2015 | Food Research International | 76 | 334-341 |
| Fungi-to-bacteria ratio in soils of European Russia | Ananyeva, N.D., Castaldi, S., Stolnikova, E.V., Kudeyarov, V.N., Valentini, R. | 2015 | Archives of Agronomy and Soil Science | 61 | 427-446 |
| A novel large deletion of the ICR1 region including H19 and putative enhancer elements | Fryssira, H., Amenta, S., Kanber, D., Sofocleous, C., Lykopoulou, E., Kanaka-Gantenbein, C., Cerrato, F., Lüdecke, H.-J., Bens, S., Riccio, A., Buiting, K. | 2015 | BMC Medical Genetics | 16 | - |
| Characterization of a naturally occurring truncated Dicer | Mosca, N., Starega-Roslan, J., Castiello, F., Russo, A., Krzyzosiak, W.J., Potenza, N. | 2015 | Molecular Biology Reports | 42 | 1333-1340 |
| Characterization of 2,4-Diamino-6-oxo-1,6-dihydropyrimidin-5-yl Ureido Based Inhibitors of Trypanosoma brucei FoID and Testing for Antiparasitic Activity | Eadsforth, T.C., Pinto, A., Luciani, R., Tamborini, L., Cullia, G., De Micheli, C., Marinelli, L., Cosconati, S., Novellino, E., Lo Presti, L., Cordeiro Da Silva, A., Conti, P., Hunter, W.N., Costi, M.P. | 2015 | Journal of Medicinal Chemistry | 58 | 7938-7948 |

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|--|---|------|---------------|-----|-------------|
| Insight into the structural and functional features of myoglobin from <i>Hystrix cristata</i> L. and <i>Rangifer tarandus</i> L. | Di Giuseppe, A.M.A., Caso, J.V., Severino, V., Ragucci, S., Chambery, A., Russo, R., Fattorusso, R., Ferreras, J.M., Russo, L., Di Maro, A. | 2015 | RSC Advances | 5 | 26388-26401 |
| A comparison of epiphytic diatom communities on <i>Plocamium cartilagineum</i> (Plocamiales, Florideophyceae) from two Antarctic areas | Majewska, R., Kuklinski, P., Balazy, P., Yokoya, N.S., Paternostro Martins, A., De Stefano, M. | 2015 | Polar Biology | 38 | 189-205 |
| Tellurium as a valuable tool for studying the prokaryotic origins of mitochondria | Pontieri, P., De Stefano, M., Massardo, D.R., Gunge, N., Miyakawa, I., Sando, N., Pignone, D., Pizzolante, G., Romano, R., Alifano, P., Del Giudice, L. | 2015 | Gene | 559 | 177-183 |

| QUADRO E.2 | | E.2 Mobilità Internazionale | | | | | |
|------------|----------|-----------------------------|----------------|--------------------|--|-------------|--------|
| In entrata | | | | | | | |
| N. | Cognome | Nome | Referente | Posizione | Ente Provenienza | Data Inizio | Durata |
| | FERRERAS | JOSE' MIGUEL | DI MARO Antimo | Visiting Professor | Universidad de Valladolid (ES) | 05/04/14 | 5 |
| | BERRUTI | FRANCO | ARENA Umberto | Visiting Professor | ICFAR - Institute of Chemical from Alternative Resources, University of Western Ontario (CA) | 27/10/14 | 11 |
| | FERRERAS | JOSE' MIGUEL | DI MARO Antimo | Visiting Professor | Universidad de Valladolid (ES) | 13/04/15 | 4 |

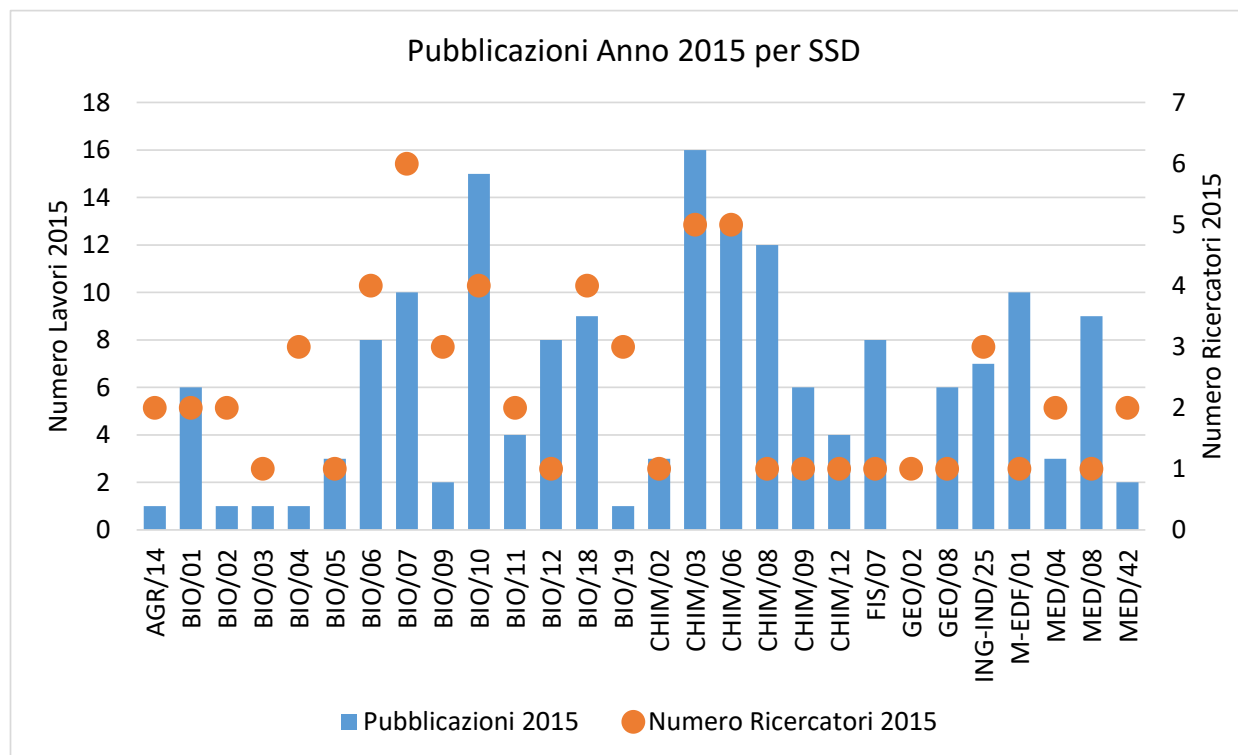
Sezione F – Analisi dei dati

Nell'anno 2014 i ricercatori del DiSTABiF hanno pubblicato 203 lavori su riviste internazionali. Il grafico di seguito riportato evidenzia i lavori pubblicati per singolo S.S.D. nell'anno 2014.

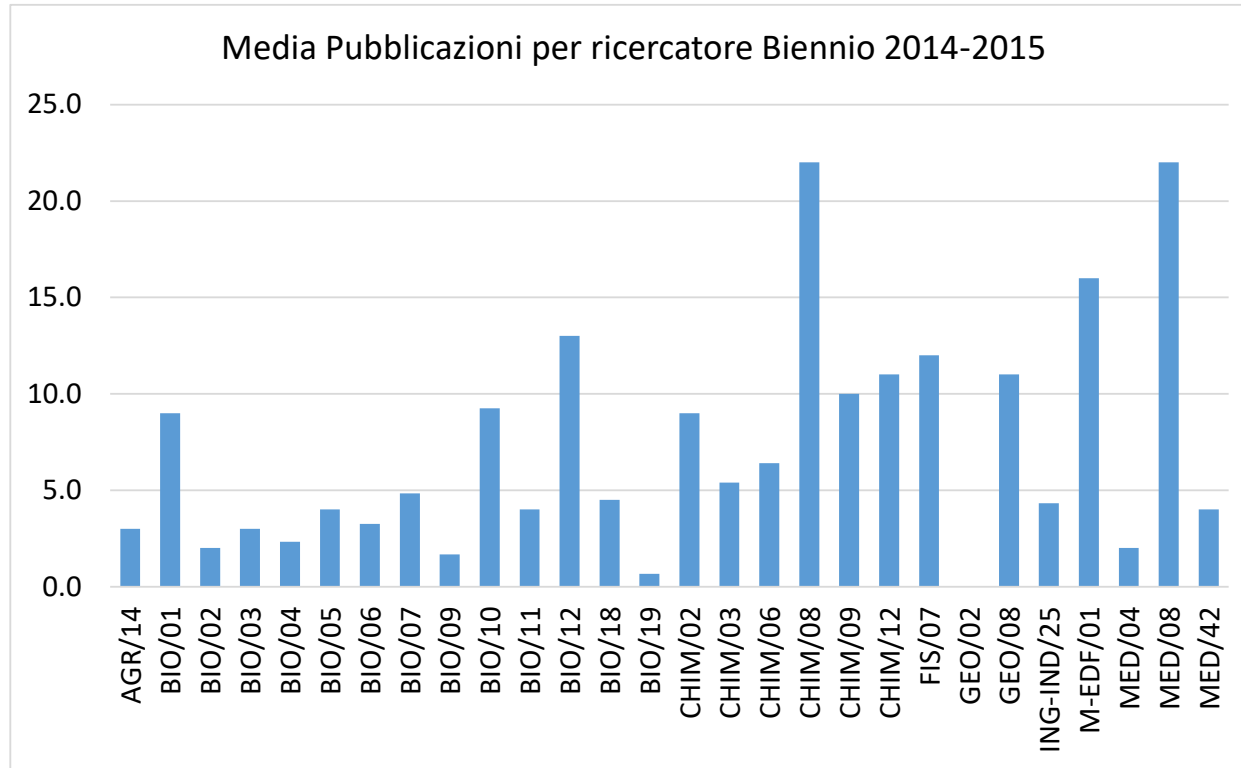


Nel grafico è riportato anche il numero di ricercatori afferente al DiSTABiF per ogni S.S.D. Quest'analisi permette di valutare il numero medio di lavori per settore.

Nell'anno 2015 i ricercatori del DiSTABiF hanno pubblicato 180 lavori su riviste internazionali. Il grafico di seguito riportato evidenzia i lavori pubblicati per singolo S.S.D. nell'anno 2015.



Un'accurata analisi evidenzia che nel biennio preso in esame solo i ricercatori afferenti al S.S.D. GEO/02 non hanno prodotto alcuna pubblicazione. Inoltre analizzando per il biennio il numero medio di pubblicazioni per S.S.D. si ottiene la tabella di seguito riportata:



La Tabella di seguito riportata evidenzia per il biennio 2014-2015 la percentuale (in ordine decrescente) delle pubblicazioni che ricadono nel primo quartile (Q1):

| S.S.D. | Numero Lavori | Pubblicazioni in Q1 |
|------------|---------------|---------------------|
| BIO/09 | 5 | 100 |
| MED/04 | 4 | 100 |
| MED/42 | 8 | 100 |
| CHIM/03 | 27 | 96.3 |
| BIO/12 | 13 | 92.3 |
| CHIM/08 | 22 | 90.9 |
| CHIM/09 | 10 | 90 |
| BIO/07 | 29 | 86.2 |
| AGR/14 | 6 | 80 |
| ING-IND/25 | 13 | 80 |
| BIO/10 | 37 | 77.8 |
| GEO/05 | 19 | 77.8 |
| BIO/06 | 13 | 76.9 |
| BIO/02 | 4 | 75 |
| CHIM/06 | 32 | 71.9 |
| M-EDF/01 | 16 | 68.8 |
| MED/08 | 22 | 68.4 |
| BIO/03 | 3 | 66.7 |
| BIO/01 | 18 | 64.7 |
| FIS/07 | 12 | 58.3 |
| GEO/08 | 11 | 55.6 |
| BIO/04 | 7 | 50 |
| BIO/11 | 8 | 50 |
| CHIM/12 | 11 | 50 |
| BIO/18 | 18 | 44.4 |
| CHIM/02 | 9 | 37.5 |
| BIO/05 | 4 | 0 |
| BIO/19 | 2 | 0 |
| GEO/02 | 0 | 0 |

Per la maggior parte dei settori più del 50% delle pubblicazioni prodotte appartengono al primo quartile in almeno una categoria WOS. Anche se è da sottolineare che esistono settori che non hanno prodotto alcuna pubblicazione Q1 (GEO/02, BIO/05 e BIO/19).

Sezione G – Bandi Competitivi

▶ QUADRO G.1

G.1 Progetti acquisiti da bandi competitivi

PRIN: Progetti di Ricerca di Interesse Nazionale

Le informazioni relative a Prin, Fibr e PQ sono ricavate dagli archivi Miur-Cineca (siti degli Uffici Ricerca) e aggiornate al 05/05/2015 09:56. Elenco Prin con data del decreto di finanziamento del 2014-2015 e con Responsabile afferente al Dipartimento. Per i PRIN il finanziamento viene erogato dal Ministero in un'unica soluzione di poco successiva alla firma del decreto di finanziamento. Per questo, analogamente a quanto fatto per la VQR, si è assunto come anno dell'entrata di cassa l'anno del decreto di finanziamento relativo al bando.

| N | Titolo | Codice | Responsabile | Totale Entrate di Cassa 2014-2015 | Dominio Progetto |
|---|---|--------------------|---------------------|-----------------------------------|------------------|
| 1 | Ricerca di nuovi orizzonti nella cura del tumore integrando tecnologie innovative di drug-screening e progettazione razionale dei farmaci | 2012CTAY SY_002 | COSCONATI Sandro | 130.628 | Nazionale |

FIRB: Fondo per gli Investimenti della Ricerca di Base e Programmi Futuro in Ricerca

Le informazioni relative a Prin, Fibr e PQ sono ricavate dagli archivi Miur-Cineca (siti degli Uffici Ricerca) e aggiornate al 05/05/2015 09:56. Elenco Fibr che risultano avere entrate di cassa del 2014-2015 e con Responsabile afferente al Dipartimento. Per i FIRB il finanziamento viene erogato dal Ministero in più rate che sono gestite direttamente dal Miur e per le quali l'ufficio ricerca può rilevare le date e gli importi.

| N | Titolo | Codice | Responsabile | Totale Entrate di Cassa 2014-2015 | Dominio Progetto |
|---|--|--------|---|-----------------------------------|------------------|
| 2 | Proprietà fotoniche e micromeccaniche delle diatomee | | RBFR08Q XL2_001 DE STEFANO Mario | 64.587 | Nazionale |

PQ: Programmi Quadro Unione Europea

Le informazioni relative a Prin, Fibr e PQ sono ricavate dagli archivi Miur-Cineca (siti degli Uffici Ricerca) e aggiornate al 05/05/2015 09:56. Elenco PQ (Programmi Quadro) attivi nel 2012, 2013, 2014 e con Responsabile afferente al Dipartimento. Per i PQ le informazioni disponibili al Miur non comprendono indicazioni certificate sulle entrate di cassa, per questo motivo il dato viene richiesto direttamente agli atenei.

| N. | Titolo | Programma Quadro | Acronimo | Codice | Responsabile | Costo eleggibile | Dominio Progetto |
|----|--|------------------|-------------------|--------|--------------------|------------------|------------------|
| 3. | The nitrogen cycle and its influence on the European greenhouse gas balance. | VI | NITROEUROPE IP | 17841 | CASTALDI Simona | 247.000 0 | Europeo |

| | | | | | | | |
|----|--|-----|------------|--------|--------------------|-----------|---------|
| 4. | Fate and effects of cytostatic pharmaceuticals in the environment and identification of biomarkers for an improved risk assessment on environmental exposure | VII | CYTOTHREAT | 265264 | ISIDORI Marina | 370.683 0 | Europeo |
| | Operational Global Carbon Observing System | VII | GEOCARBON | 283080 | CASTALDI Simona | 63.327 | Europeo |

Sezione H – Responsabilità e riconoscimenti scientifici

| ▶ Quadro H2 | | H.2 Direzione di riviste, collane editoriali, enciclopedie e trattati scientifici (2014-2015) | | | | | |
|-------------|---------|---|------------------|---|--|-------------|-----------|
| N. | Cognome | Nome | Cf | Tipo attività | Titolo Editoriale | Anno inizio | Anno Fine |
| 1. | ARENA | Umberto | RNAMRT57B24F839K | Direttore di Rivista o Collana Editoriale | WASTE MANAGEMENT (Elsevier) ISSN: 0956-053X | 2010 | 2015 |
| 2. | ARENA | Umberto | RNAMRT57B24F839K | Direttore di Rivista o Collana Editoriale | AMBIENTE RISCHIO COMUNICAZIONE (ISSN: 2240-1520) | 2011 | 2015 |
| 3. | RUSSO | Aniello | RSSNLL62E05G568T | Direttore di Rivista o Collana Editoriale | MICRORNA (ISSN: 2211-5374) | 2012 | |

| Quadro H3 | | H.3 Direzione di riviste, collane editoriali, enciclopedie e trattati scientifici (2018) | | | | | |
|-----------|-------------|--|------------------|-------------------------------|---|-------------|-----------|
| N. | Cognome | Nome | Cf | Tipo attività | Titolo Editoriale | Anno inizio | Anno Fine |
| 1. | CHAMBERY | Angela | CHMNGL74T64B963Y | Academic Editor | Journal of Analytical Methods in Chemistry | 2014 | In corso |
| 2. | CHAMBERY | Angela | CHMNGL74T64B963Y | Associated Editor | Journal of Integrated OMICS | 2011 | In corso |
| 3. | CHAMBERY | Angela | CHMNGL74T64B963Y | Editorial board member | Current proteomics | 2010 | In corso |
| 4. | CHAMBERY | Angela | CHMNGL74T64B963Y | Editorial board member | Austin Proteomics | 2014 | In corso |
| 5. | CHAMBERY | Angela | CHMNGL74T64B963Y | Editorial board member | World Journal of Stem Cells | 2012 | In corso |
| 6. | FIORENTINO | Antonio | FRNNTN65B04D386W | Editorial Board Member | Food Research International (Elsevier) ISSN: 0963-9969 | 2012 | In corso |
| 7. | IANNELLO | Carlo | NNLCRL70S26F839W | Comitato di redazione | Rassegna di Diritto pubblico Europeo | 2002 | In corso |
| 8. | IANNELLO | Carlo | NNLCRL70S26F839W | Comitato di redazione | Economia e Politica | 2009 | In corso |
| 9. | IANNELLO | Carlo | NNLCRL70S26F839W | Comitato di redazione | I Bartelli del Reno | 2010 | In corso |
| 10. | IANNELLO | Carlo | NNLCRL70S26F839W | Comitato di redazione | Diritto Pubblico Europeo Rassegna on line | 2015 | In corso |
| 11. | MASTROCICCO | Micòl | MSTMCL74E50H620J | Member of the Editorial Board | Acque Sotterranee – Italian Journal of Groundwater | 2015 | In corso |
| 12. | MASTROCICCO | Micòl | MSTMCL74E50H620J | Associated Editor | Environment and Pollution | 2014 | In corso |
| 13. | POTENZA | Nicoletta | PTNNLT72R51F839C | Member of Editorial Board | RNA & Disease ISSN: 2375-2467 | 2014 | In corso |
| 14. | RUSSO | Aniello | RSSNLL62E05G568T | Associated Editor | MicroRNA (Bentham Science) ISSN: 2211-5374 | 2012 | In corso |