

**Curriculum
Vitae in
formato
Europeo**

Informazioni personali

Nome e Cognome

CLARA ENZA URZÌ

Attuale

Università degli Studi di Messina

Amministrazione
di appartenenza

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Attuale responsabilità

INSEGNAMENTO CORSI DI MICROBIOLOGIA GENERALE, MICROBIOLOGIA APPLICATA ALLA QUALITÀ PER IL CORSO DI LAUREA TRIENNALE IN SCIENZE BIOLOGICHE E CORSO DI MICROBIOLOGIA GENERALE E AMBIENTALE PER IL CORSO DI LAUREA TRIENNALE SMART. MEMBRO DELLA COMMISSIONE PARITETICA. RESPONSABILE LABORATORIO DI MICROBIOLOGIA PER L'AMBIENTE E PER I BENI CULTURALI

Contatti

Email: clara.urzi@unime.it

Esperienza lavorativa

Ruolo, tipologia di contratto, datore di lavoro

Dal
17/04/1990 al 30/10/2015

RICERCATORE PRESSO L'UNIVERSITÀ DI MESSINA

Sintesi di compiti, funzioni e responsabilità

ATTIVITÀ DI RICERCA E INSEGNAMENTO

Dal 30/10/2015 al
presente

PROFESSORE ASSOCIATO SSD BIO19 PRESSO L'UNIVERSITÀ DI MESSINA

Sintesi di compiti, funzioni e responsabilità

INSEGNAMENTO E ATTIVITÀ DI RICERCA.

Altri incarichi

Istruzione e formazione

Laurea quadriennale in Scienze Biologiche 110/110 e lode

Specializzazione in Microbiologia Applicata (triennale) 50/50 e lode

Dottorato in Discipline microbiologiche (triennale)

Madrelingua

Italiano

**Altre competenze
linguistiche**

Inglese C1/C2

Francese (comprensione lingua scritta) A1

Spagnolo (comprensione lingua parlata) A1

Allegati

All.1: Competenze nell'utilizzo delle tecnologie (preferibilmente per parole chiavi)

All. 2: Partecipazione a convegni e seminari (preferibilmente aggregati per argomento e ore complessive)

All. 3 Redazione di pubblicazioni (elenco o link all'editore)

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Allegato 1: Competenze nell'utilizzo delle tecnologie (preferibilmente per parole chiavi)

GOOD KNOWLEDGE OF COMPUTER SOFTWARE LIKE MICROSOFT OFFICE AND ADOBE PHOTOSHOP IN WINDOWS AND MACOS AND COMMON APPS IN MACOS ENVIRONMENT. BASIC ON DOS .USE OF MICROSCOPES (LIGHT, EPIFLUORESCENCE AND SEM)

ALLEGATO 2. All. 2: Partecipazione a convegni e seminari e altre attività

SEMINARI IN CORSI NAZIONALI E INTERNAZIONALI

- 2017 Seminario intitolato: Role of microbial communities on the biodeterioration of Cultural Heritage and methods of study Master Internazionale di II^a livello in *Biologia per la Conservazione e la Valorizzazione dei Beni Culturali* – A.A. 2016/2017 – Università degli Studi Roma TRE. 1 e 2 Marzo 2017.
- 2015 Seminario intitolato: Role of microbial communities on the biodeterioration of Cultural Heritage and methods of study Master Internazionale di II^a livello in *Biologia per la Conservazione e la Valorizzazione dei Beni Culturali* – A.A. 2014/2015 – Università degli Studi Roma TRE. 23 Aprile 2015.
- 2014 Seminario intitolato: Biodeterioration vs. Bioprotection in the Built Heritage Conservation. International Summer School, 14-18 Luglio 2014 ENVIMAT 2014, Cosenza, Italy.
- 2012 Introduzione of General and Environmental Microbiology. Corso di Alta Formazione per Tecnici di ricerca in biopolimeri e biosurfattanti di origine microbica, Catania 28 – 29 Maggio 2012..
- 2009 Corso di Alta Formazione GLI AGENTI DI BIODETERIORAMENTO DEI BENI CULTURALI, Università Cattolica del Sacro Cuore - Sede di Piacenza Modulo: "Microbiologia dell'arte" 6 Novembre 2009.
- 2009 Seminario intitolato: Beni Culturali e Scienza: Ruolo dei Microrganismi nel Biodeterioramento e Biorisanamento dei Monumenti. Fondazione Bonino Pulejo, Messina 19 Maggio 2009.
- 2008 Corso organizzato dall'Istituto per la salvaguardia del Patrimonio Storico Mnemosyne. Argomento: CONTROLLO, PREVENZIONE E MONITORAGGIO DEI BIODETERIOGENI MICROBICI: Brescia 20-21 Ottobre 2008
- 2007 "Global Climate Change and Cultural Heritage - European Doctoral Course - 22nd - 27th October 2007, Ravello, Italy. Argomento: Microbial colonization and biodeterioration of outdoor exposed monuments.
- 2006 Seminari teorici organizzati da IGII-C-Fondazione per le Biotecnologie, Torinosu Biotecnologie, Biologia Nanotecnologie per la Conservazione dei Beni Culturali - Genova 6 Giugno - Roma 7 Giugno 2006 Argomento trattato: TECNICHE DI BIOLOGIA MOLECOLARE PER LA DIAGNOSTICA DEGLI ATTACCHI MICROBIOLOGICI
- 2006 The Amalfi Coast and the Greek Archaeological Site of Paestum" (UNESCO List of Mankind Cultural Heritage). *European Doctoral Theoretical and Practical Course Ravello and Paestum, 16th to 20th of October 2006.*
- 2006 An approach to study the biodiversity of microorganisms of outdoor and indoor monuments, Microvision - 06 Utkal University, Bhubaneswar, India 25 Dec. 2006.
- 2005 European Practical School .The Monumental Heritage of Ravello In the field scientific methods applied to the materials and the environment of Cultural Heritage 2-9 October 2005.
- 2004 European Practical School. Degradation And Conservation. Of Materials In Their Environment: The Monumental Heritage Of Ravello: Ravello, 24 – 30 Ottobre 2004.
- 2003 EUROPEAN PRACTICAL SCHOOL. Materials Of The Monumental Heritage Of Ravello: Degradation And Conservation. Ravello, October 26 November 1, 2003
- 2002 European Doctoral Course 2002 Sciences And Materials Of The Cultural Heritage: Stone Of The Temples And Paintings Of The Tombs Of Paestum Archeological Site (Ravello, October, 28th November 3rd, 2002).
- 2001 European Doctoral Course 2001 Sciences And Materials Of The Cultural Heritage: Stone, Glass, Stained-Glass, Wall Paintings And Frescoes In The Environment (Ravello, October 29th To November 3rd, 2001).
- 2000/01 Corso Di Formazione "Metodologie Per Lo Studio Del Degradato Dei Beni Culturali" Presso La Facoltà Di Scienze Dell'università Di Messina.
- 1999 Corso Post-Diploma Per "Restauratore Di Pitture". Liceo Ginnasio G. La Farina, Messina
- 1998 Direttore Scientifico e Docente Del Corso Teorico Pratico "Il Biologo Nella Conservazione Delle Opere d'Arte
- 1997 Corso Di Specializzazione In Conservazione Dell'architettura Storica, Palermo 4 Aprile - 5 Luglio 1997, Organizzato Dall'istituto Di Restauro Dell'architettura, IRA; Titolo Delle Lezioni: "Il Degradato Biologico Dei Materiali Lapidei" E "Interventi Per Il Controllo Del Biodeterioramento".
- 1997 1° Corso Teorico-Pratico Sul "Restauro E Recupero Di Opere d'Arte", Messina 26 Aprile - 11 Maggio 1997. Titolo Della Lezione "Degradato Biologico Dei Monumenti In Pietra In Relazione All'ambiente e all'inquinamento Atmosferico".
- 1994/95 European Master In Ingegneria Ambientale, Modulo Di Specializzazione Sulle Biotecnologie Ambientali, Organizzato Dal COREP, Consorzio Per La Formazione Università - Industria Del Politecnico Di Torino. Argomento Delle Lezioni: " Biodeterioramento Dei Manufatti Artistici: Metodi Di Studio E Tecniche Di

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- Intervento E Protezione".
- 1993/94 I.C.B.M., University of Oldenburg, Germania Practical-Theoric course of Microbiology applied to Materials"Fortgeschrittenpracticum Mikrobiologie".
- 1992 "Heterotrophic Organisms And Their Relation To Phototrophs". EC Course EEC ITECOM, COMETT II, Continuing Education Seminars on "Methods Of Consolidation Preservation & Protection Of Stone". Athens, Greece.

EDITORE

- 2012-present International Journal of Biodeterioration and Biodegradation (Editor)
- 2009 International Journal of Biodeterioration and Biodegradation (guest editor)
- 2003-2011 International Journal of Biodeterioration and Biodegradation (scientific board member)
- 2022-2023 *International Journal the Science of Total Environment (STOTEN) (Guest Editor)*

ALTRE ATTIVITÀ

- 2019-present Appointed representative for Italy of the International Society of Biodeterioration and Biodegradation.
- 11-12-2023 Vice President of International Society of Biodeterioration and Biodegradation (IBBS) SOCIETY

ALLEGATO 3. *Redazione di pubblicazioni*

2023

1. Marchetta A., Papale M., Rappazzo A.C., Rizzo C., Camacho A., Rochera C., Azzaro M., Urzi C., Lo Giudice A., and De Leo F. 2023. A deep insight into the diversity of microfungus communities in Arctic and Antarctic lakes. *Journal of Fungi* **2023**, 9(11), 1095; <https://doi.org/10.3390/jof9111095>
2. Rizk SM, Magdy M, De Leo F, Werner O, Rashed MA-S, Ros RM and Urzi C (2023) Culturable and unculturable potential heterotrophic microbiological threats to the oldest pyramids of the Memphis necropolis, Egypt. *Front. Microbiol.* 14:1167083. doi: 10.3389/fmicb.2023.1167083
3. Luci, M.; De Leo, F.; De Pascale, D.; Galasso, C.; La Russa, M.F.; Lo Schiavo, S.; Ricca, M.; Ruffolo, S.A.; Ruocco, N.; Urzi, C. 2023, Surface-Active Ionic-Liquid-Based Coatings as Anti-Biofilms for Stone: An Evaluation of Their Physical Properties. *Coatings* **13**, 1669. <https://doi.org/10.3390/coatings13101669>.
4. Rizk, S.M., Magdy, M., De Leo, F., Werner, O., Rashed, M.A.-S., Ros, R.M., Urzi, C. 2023. aroF and cm2: potential molecular markers for the detection of stone-inhabiting Actinobacteria on cultural heritage sites (2023) *Archives of Microbiology*, 205 (1), art. no. 32 .
5. Aliasghari Veshareh, A., Mohammadi, P., Elikaei, A., Urzi, C., Leo, F.D. 2023. Biodeteriogenic Potential of Bacteria and Fungi Isolated from Deteriorated Areas of Masjed-e Jāmē of Isfahan, UNESCO Cultural Heritage (2023) *Geomicrobiology Journal*, 40 (1), pp. 75-87.

2022

6. Ben Chobba, M., Weththimuni, M.L., Messaoud, M., Bouaziz, J., Salhi, R., De Leo, F., Urzi, C., Licchelli, M. 2022. Silver-Doped TiO₂-PDMS Nanocomposite as a Possible Coating for the Preservation of Serena Stone: Searching for Optimal Application Conditions (2022) *Heritage*, 5 (4), pp. 3411-3426.
7. De Leo, F., Dominguez-Moñino, I., Jurado, V., Bruno, L., Saiz-Jimenez, C., Urzi, C. 2022. Fungal outbreak in the Catacombs of SS. Marcellino and Pietro Rome (Italy): From diagnosis to an emergency treatment (2022) *Frontiers in Microbiology*, 13, art. no. 982933, .
8. Bruno, L., Villa, F., Urzi, C., Di Martino, P. 2022. Progress on biodegradation of stone monuments: Editorial on special issue for European Conference on biodegradation of Stone Monument 2020 (VSI-ECBSM2020) (2022) *International Biodeterioration and Biodegradation*, 175, art. no. 105509,
9. Sfameni, S., Rando, G., Marchetta, A., Scolaro, C., Cappello, S., Urzi, C., Visco, A., Plutino, M.R. 2022. Development of Eco-Friendly Hydrophobic and Fouling-Release Coatings for Blue-Growth Environmental Applications: Synthesis, Mechanical Characterization and Biological Activity. *Gels*, 8 (9), art. no. 528.
10. Sfameni, S., Rando, G., Galletta, M., Ielo, I., Brucale, M., De Leo, F., Cardiano, P., Cappello, S., Visco, A., Trovato, V., Urzi, C., Plutino, M.R. 2022. Design and Development of Fluorinated and Biocide-Free Sol-Gel Based Hybrid Functional Coatings for Anti-Biofouling/Foul-Release Activity. *Gels*, 8 (9), art. no. 538.
11. De Leo, F., Marchetta, A., Urzi, C. 2022. Black Fungi on Stone-Built Heritage: Current Knowledge and Future Outlook. *Applied Sciences (Switzerland)*, 12 (8), art. no. 3969.

2021

12. Rizk, S.M.; Magdy, M.; Leo, F.D.; Werner, O.; Rashed, M.A.-S.; Ros, R.M.; Urzi, C. A New Extremotolerant Ecotype of the Fungus *Pseudotaeniolina globosa* Isolated from Djoser Pyramid, Memphis Necropolis, Egypt. *J. Fungi* **2021**, 7, 104. <https://doi.org/10.3390/jof7020104>.
13. De Leo, F.; Marchetta, A.; Capillo, G.; Germanà, A.; Primerano, P.; Schiavo, S.L.; Urzi, C. Surface Active Ionic Liquids Based Coatings as Subaerial Anti-Biofilms for Stone Built Cultural Heritage. *Coatings* **2021**, 11, 26. <https://doi.org/10.3390/coatings11010026>
14. Chobba, M.B., Weththimuni, M.L., Messaoud, M., Sacchi, D., Bouaziz, J., De Leo, F., Urzi, C., Licchelli, M. 2021. Multifunctional and durable coatings for stone protection based on gd-doped nanocomposites. *Sustainability (Switzerland)*, 13 (19), art. no. 11033.
15. Urzi, C. 2021 A tribute to Wolfgang Elisabeth Krumbein (WEK). *International Biodeterioration and Biodegradation*, 163, art. no. 105268,
16. Chobba, M.B., Weththimuni, M.L., Messaoud, M., Urzi, C., Bouaziz, J., De Leo, F., Licchelli, M. 2021. Ag-TiO₂/PDMS nanocomposite protective coatings: Synthesis, characterization, and use as a self-cleaning and antimicrobial agent (2021) *Progress in Organic Coatings*, 158, art. no. 106342,

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17. Rizk, S.M., Magdy, M., De Leo, F., Werner, O., Rashed, M.A.-S., Ros, R.M., Urzi, C. 2021. A new extremotolerant ecotype of the fungus *pseudotaeniolina globosa* isolated from Djoser pyramid, memphis necropolis, Egypt (2021) *Journal of Fungi*, 7 (2), art. no. 104, pp. 1-18.
18. Zabouri, Y., Cheriguene, A., Chougrani, F., Merzouk, Y., Marchetta, A., Urzi, C., De Leo, F. 2021. Antifungal activity of lactic acid bacteria against phytopathogenic *alternaria alternata* species and their molecular characterization (2021) *Journal of Food and Nutrition Research*, 60 (1), pp. 18-28.

2020

19. Ding, X., Lan, W., Wu, J., Hong, Y., Li, Y., Ge, Q., Urzi, C., Katayama, Y., Gu, J.-D. 2020. Correction to: Microbiome and nitrate removal processes by microorganisms on the ancient Preah Vihear temple of Cambodia revealed by metagenomics and N-15 isotope analyses (*Applied Microbiology and Biotechnology*, (2020), 104, 22, (9823-9837), 10.1007/s00253-020-10886-4) (*2020 Applied Microbiology and Biotechnology*, 104 (22), p. 9853.
20. Ding, X., Lan, W., Wu, J., Hong, Y., Li, Y., Ge, Q., Urzi, C., Katayama, Y., Gu, J.-D. 2020. Microbiome and nitrate removal processes by microorganisms on the ancient Preah Vihear temple of Cambodia revealed by metagenomics and N-15 isotope analyses (*2020 Applied Microbiology and Biotechnology*, 104 (22), pp. 9823-9837.
21. Romeo, O., Marchetta, A., Giosa, D., Giuffrè, L., Urzi, C., De Leo, F. 2020. Whole genome sequencing and comparative genome analysis of the halotolerant deep sea black yeast *hortaea werneckii* (*2020 Life*, 10 (10), art. no. 229, pp. 1-12.
22. Lo Schiavo, S., De Leo, F., Urzi, C. 2020. Present and future perspectives for biocides and antifouling products for stone-built cultural heritage: Ionic liquids as a challenging alternative (*2020 Applied Sciences (Switzerland)*, 10 (18), art. no. 6568.
23. Ricca, M., Urzi, C.E., Rovella, N., Sardella, A., Bonazza, A., Ruffolo, S.A., De Leo, F., Randazzo, L., Arcudi, A., La Russa, M.F. 2020. Multidisciplinary approach to characterize archaeological materials and status of conservation of the Roman thermae of reggio Calabria Site (Calabria, South Italy) (*2020 Applied Sciences (Switzerland)*, 10 (15), art. no. 5106.
24. Ben Chobba, M., Messaoud, M., Bouaziz, J., De Leo, F., Urzi, C. 2020. The Effect of Heat Treatment on Photocatalytic Performance and Antibacterial Activity of TiO₂ Nanoparticles Prepared by Sol-Gel Method (*2020 Lecture Notes in Mechanical Engineering*, pp. 71-79.

2019

25. De Leo, F., Lo Giudice, A., Alaimo, C. De Carlo, G., Rappazzo, A.C., Graziano, M., De Domenico E., Urzi, C., (2019). Occurrence of the black yeast *Hortaea werneckii* in the Mediterranean Sea. *Extremophiles* 23:9-17 doi.org/10.1007/s00792-018-1056-1
26. De Leo, F., Antonelli, F., Pietrini, A.M., Ricci, S., Urzi, C. (2019). Study of the euendolithic activity of black meristematic fungi isolated from a marble statue in the Quirinale Palace's Gardens in Rome, Italy. *Facies* 65, (2).
27. Marwa Ben Chobba, Mouna Messaoud, Maduka L. Weththimuni, Jamel Bouaziz, Maurizio Licchelli, Filomena De Leo, Clara Urzi. (2019). Preparation and characterization of photocatalytic Gd-doped TiO₂ nanoparticles for water treatment. *Environ Sci Pollut Res* (2019). <https://doi.org/10.1007/s11356-019-04680-7>.
28. Montero-Calasanz, M.D.C., Yaramis, A., Nouioui, I., Iguá, J.M., Spröer, C., Castro, J.F., Schumann, P., Klenk, H.-P, Urzi, C. (2019). *Modestobacter italicus* sp. Nov., isolated from Carrara marble quarry and emended descriptions of the genus *Modestobacter* and the species *Modestobacter marinus*, *Modestobacter multiseptatus*, *Modestobacter roseus* and *Modestobacter versicolor*. *International Journal of Systematic and Evolutionary Microbiology* Volume 69, Issue 6, June 2019, 1537-1545.

2018

29. Papale, M., Conte, A., Del Core, M., Zito, E., Sprovieri, M., De Leo, F., Rizzo, C., Urzi, C., De Domenico, E., Luna, G.M., Michaud, L., Lo Giudice, A. (2018). Heavy-metal resistant microorganisms in sediments from submarine canyons and the adjacent continental slope in the northeastern Ligurian margin (Western Mediterranean Sea). *Progress in Oceanography*, 168, pp. 155-168. DOI: 10.1016/j.pocean.2018.09.015
30. Marchetta, A., van den Ende, B.G., Al-Hatmi, A.M.S., Hagen, F., Zalar, P., Sudhadham, M., Gunde-Cimerman, N., Urzi, C., de Hoog, S., De Leo, F. (2018). Global molecular diversity of the halotolerant fungus *Hortaea werneckii*. *Life*, 8 (3), art. no. 31 . DOI: 10.3390/life8030031
31. Urzi, C., Bruno, L. and De Leo, F. (2018). Biodeterioration of Paintings in Caves, Catacombs and other Hypogean Sites. In: *Biodeterioration and Preservation in Art, Archaeology and Architecture*, Ralph Mitchell, Jennifer Clifford (eds). Archetype Publications, London. Pp. 114-129. ISBN: 9781909492646

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32. Marwa Ben Chobba, Mouna Messaoud, Jamel Bouaziz, Filomena De Leo, Clara Urzi (submitted). The effect of heat treatment on photocatalytic efficiency performance and antibacterial activity of TiO₂ nanoparticles prepared by Sol-Gel method.

2017

33. De Leo, F., Cardiano, P., De Carlo, G., Lo Schiavo, S., Urzi, C. (2017). Testing the antimicrobial properties of an upcoming “environmental-friendly” family of ionic liquids Journal of Molecular Liquids, 248, pp. 81-85. DOI: 10.1016/j.molliq.2017.10.024
34. Ruffolo, S.A., De Leo, F., Ricca, M., Arcudi, A., Silvestri, C., Bruno, L., Urzi, C., La Russa, M.F. (2017). Medium-term in situ experiment by using organic biocides and titanium dioxide for the mitigation of microbial colonization on stone surfaces. International Biodeterioration and Biodegradation, 123, pp. 17-26. DOI: 10.1016/j.ibiod.2017.05.016

2016

35. Urzi, C., De Leo, F., Krakova, L., Pangallo, D., Bruno, L. (2016). Effects of biocide treatments on the biofilm community in Domitilla's catacombs in Rome. Science of the Total Environment, 572, pp. 252-262. DOI: 10.1016/j.scitotenv.2016.07.195
36. Pistone, A., Visco, A.M., Galtieri, G., Iannazzo, D., Espro, C., Merlo, F.M., Urzi, C., De Leo, F. (2016). Polyester resin and carbon nanotubes based nanocomposite as new-generation coating to prevent biofilm formation. International Journal of Polymer Analysis and Characterization, 21 (4), pp. 327-336. DOI: 10.1080/1023666X.2016.1155826

2015

37. Everest, G.J., Curtis, S.M., De Leo, F., Urzi, C., Meyers, P.R. (2015). Description of *kribbella italica* sp. Nov., isolated from a roman catacomb. International Journal of Systematic and Evolutionary Microbiology, 65 (2), pp. 491-496. DOI: 10.1099/ijs.0.070672-0
38. Mazza, L., Ruffolo, S.A., Macchia, A., La Russa, M.F., Barberio, M., Crisci, G.M., De Leo, F., Urzi, C.E. (2015). Evaluation of antifouling activity of TiO₂ and Ag-doped TiO₂ in laboratory conditions to be applied on submerged archeological material. Journal of Biological Research (Italy), 88 (1), p. 100.
39. Krakova, L., De Leo, F., Bruno, L., Pangallo, D., Urzi, C. (2015). Complex bacterial diversity in the white biofilms of the Catacombs of St. Callixtus in Rome evidenced by different investigation strategies. Environmental Microbiology, 17 (5), pp. 1738-1752. Cited 11 times. DOI: 10.1111/1462-2920.12626
40. Adhikary S. P., Keshari N., Urzi C., De Philippis R. (2015). Cyanobacteria And Micro-Algae In The Biofilms On The Stone Temples Of Bhubaneswar, Eastern India. Algological Studies 147: 67–93. DOI: [10.1127/algol_stud/2015/0190](https://doi.org/10.1127/algol_stud/2015/0190)
41. Urzi C., De Leo F., Bruno L., Pangallo D. and Krakova L. 2015. Chapter 9. New species description, biomineralization processes and biocleaning applications of Roman catacombs-living bacteria. The Conservation of Subterranean Cultural Heritage, Edited by C. Saiz-Jimenez CRC Press 2014 pp. 65–72. Print ISBN: 978-1-138-02694-0. eBook ISBN: 978-1-315-73997-7. DOI: 10.1201/b17570-10
42. De Leo F. & Urzi C. (2015). Microfungi From Deteriorated Materials Of Cultural Heritage. In: *Fungi From Different Substrates*. J. K. Misra, J. P. Tewari, S. K. Deshmukh, And Csaba Vágvölgyi (Eds.) CRC Press, Taylor & Francis Group, A Science Publishers Book, New York *chap. 7: 144-158*. ISBN 9781482209600

2014

43. La Russa M. F., Macchia A., Ruffolo S. A., De Leo F., Barberio M., Barone P., Crisci G. M., Urzi C. 2014. Testing The Antibacterial Activity Of Doped TiO₂ For Preventing Biodeterioration Of Cultural Heritage Building Materials. International Biodeterioration & Biodegradation 96 87-96.
44. Macchia A. , Ruffolo S. A., La Russa M. F., Barberio M., Urzi C., Barone P., De Leo F., Crisci G. M. 2014. TiO₂ Dopato Per Prevenire Il Biodeterioramento Dei Materiali Da Costruzione Nel Settore Dei Beni Culturali ARKOS 7/8: 33-40.
45. Bruno L., Bellezza S., Urzi C., De Leo F. 2014. Chapter 5. A study for monitoring and conservation in the Roman Catacombs of St. Callistus and Domitilla, Rome (Italy). The Conservation of Subterranean Cultural Heritage. Edited by C. Saiz-Jimenez, CRC Press pp. 37–44 Print ISBN: 978-1-138-02694-0, eBook ISBN: 978-1-315-73997-7. DOI: 10.1201/b17570-6.
46. Galtieri G., Visco A.M., Pistone A., Iannazzo D., Fricano G., Marino Merlo F., Urzi C., De Leo F. (2014). Studio Di Nuove Formulazioni Di Rivestimenti Protettivi Per Imbarcazioni Con Proprietà Antivegetative. VI Convegno Nazionale SEAMED – “Sicurezza E Innovazione Nella Nautica” Messina , Aula Magna Facoltà Di Ingegneria- 4 Luglio 2014

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47. Ruffolo S.A., Macchia A., Mauro F. La Russa M.F., Mazza L, Urzi C., De Leo F , Barberio M., Crisci G. M. (2014). Marine Antifouling Coatings For Underwater Archaeological Sites Protection. YOCOCU 2014 (Youth In Conservation Of Cultural Heritage) 28-30 May 2014 |Agsu, Azerbaijan.
48. Russo A., Hansen A., Macchia A., Urzi C., De Leo F, Nunziante Cesaro S., Guiso M. Il Degrado Del Poliuretano Espanso: Casi Studio Della Fondazione Plart . XII Lo Stato Dell'arte 12 | IGIIIC, Milano 23-25 Ottobre 2014

2013

49. Everest G.J., Curtis S.M., De Leo F., Urzi C. And Meyers P.R. 2013. *Kribbella albertanoniae* Sp. Nov., Isolated From A Roman Catacomb, And Emended Description Of The Genus Kribbella. Int J Syst Evol Microbiol 63:3591-3596. Doi: 10.1099/ijs.0.050237-0
50. De Leo F., Campanella G., Proverbio E., Urzi C. 2013. Laboratory Tests Of Fungal Biocorrosion Of Unbonded Lubricated Post-Tensioned Tendons. Construction And Building Materials 49, 821-827. doi.org/10.1016/j.conbuildmat.2013.08.071
51. Ruffolo SA, Macchia A., La Russa MF, Mazza L, Urzi C., De Leo F., Barberio M., Crisci GM 2013. Marine Antifouling For Underwater Archaeological Sites: TiO₂ And Ag-Doped TiO₂ International Journal Of Photoenergy, doi: 10.1155/2013/251647.
52. Mazza L., Ruffolo S.A., Macchia A, La Russa MF, Barberio M., Crisci GM, De Leo F., Urzi C. Evaluation Of Antifouling Activity Of Tio₂ And Ag Doped Tio₂ In Laboratory Conditions To Be Applied On Submerged Archeological Material. 86° Congresso SIBS - 24 E Il 25 Ottobre 2013 – Palermo.

2012

53. De Leo F., Iero A., Zammit G. , Urzi C.E. 2012. Chemoorganotrophic Bacteria Isolated From Biodeteriorated Surfaces In Cave And Catacombs. International Journal Of Speleology, 41 (2) 125-136 <https://scholarcommons.usf.edu/ijs/vol41/iss2/1>
54. Pangallo, D., Kraková, L., Chovanová, K., Šimonovičová, A., De Leo, F., Urzi, C. 2012 Analysis And Comparison Of The Microflora Isolated From Fresco Surface And From Surrounding Air Environment Through Molecular And Biodegradative Assays. World Journal Of Microbiology And Biotechnology, 28 (5), 2015-2027. DOI 10.1007/S11274-012-1004-7.
55. Bruno L., Bellezza S., Urzi C., De Leo F., Albertano P. Ten Years In Controlling The Phototrophic Biofilms In The Ocean's Cubiculum At The St. Callistus Catacombs (Rome). 2012. International Congress: Science And Technologies For The Conservation Of Cultural Heritage. Santiago De Compostela, 2-5 Ottobre 2012.
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