

ALLEGATO B

UNIVERSITÀ DEGLI STUDI DI MILANO

**selezione pubblica per n. 1 posto/i di Ricercatore a tempo determinato in tenure track (RTT)
per il settore concorsuale 07/D1,**

settore scientifico-disciplinare 07/AGRI-05

**presso il Dipartimento di SCIENZE AGRARIE E AMBIENTALI - PRODUZIONE, TERRITORIO,
AGROENERGIA,**

(avviso bando pubblicato sulla G.U. n. 4011/2024 del 12/06/2024 Codice concorso 5587

[Hazem Elshafie] CURRICULUM VITAE

**(N.B. IL CURRICULUM NON DEVE ECCEDERE LE 30 PAGINE E DEVE CONTENERE GLI ELEMENTI CHE IL CANDIDATO
RITIENE UTILI AI FINI DELLA VALUTAZIONE.**

LE VOCI INSERITE NEL FACSIMILE SONO A TITOLO PURAMENTE ESEMPLIFICATIVO E POSSONO ESSERE INTEGRATE)

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	ELSHAFIE
NOME	HAZEM SALAHELDIN MOHAMED MAHMOUD

TITOLI

TITOLO DI STUDIO

(indicare la Laurea conseguita inserendo tipologia e relativo punteggio, Ateneo, titolo della tesi, data di conseguimento, ecc.)

Laurea in Scienze Biologiche: 2000-2004 in "Botanica e Chimica", Facoltà di Scienze, Università di Zagazig, Egitto.

TITOLO DI DOTTORE DI RICERCA O EQUIVALENTI, OVVERO, PER I SETTORI INTERESSATI, DEL DIPLOMA DI SPECIALIZZAZIONE MEDICA O EQUIVALENTE, CONSEGUITO IN ITALIA O ALL'ESTERO

(inserire tipologia del titolo e relativo punteggio, Ateneo, titolo della tesi, data di conseguimento, ecc.)

Dottore di Ricerca (Dottorato di Ricerca Internazionale "Crop Systems, Forestry, and Environmental Sciences / Sistemi Colturali, Forestali e Scienze dell'Ambiente" AGR/12 e AGR/13. Titolo conseguito in data 15.03.2013, rilasciato dall'Università degli Studi della Basilicata.

CONTRATTI DI RICERCA, ASSEGNI DI RICERCA O EQUIVALENTI

(per ciascun contratto stipulato, inserire tipologia, università/ente, durata in anni / data di inizio e fine, ecc.)

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ATTIVITÀ DIDATTICA A LIVELLO UNIVERSITARIO IN ITALIA O ALL'ESTERO

(inserire tipologia dell'attività, periodo [gg/mm/aa inizio e fine], anno accademico, ateneo, denominazione del corso, numero ore/CFU, ecc.)

1- Ha svolto attività didattiche nell'ambito del corso di Patologia Vegetale presso l'Università degli Studi della Basilicata A.A. 2021/2022- 2022/2023 – 2023/2024.

Settore: AGR/12 – Patologia Vegetale

Corso di laurea: Tecnologie Agrarie L25 (1 CFU di lezioni frontali)

2-Ha svolto il corso (6 CFU) di “Phytopathological Bacteriology” presso la Facoltà di Agraria (Zagazig University, Egypt) nell'anno accademico 2023/2024.

Period: dal 01/10/2023 a 31/12/2023 e 01/02/2024 a 30.04.2024.

3- Il dott. Hazem S. Elshafie ha proposto per l'a.a. 2023-24 il seguente insegnamento presso l'Università degli Studi della Basilicata:

“Batterologia Fitopatologica” - Insegnamento a scelta Settore: AGR/12 – Patologia Vegetale

Corso di laurea: Tecnologie Agrarie L25

(5 CFU lezioni frontale e 1 CFU di esercitazioni) a.a. 2023/2024.

4- Ha svolto numerosi seminari nell'ambito di vari corsi presso l'Università degli Studi della Basilicata.

5- Didattica integrativa a.a. 2021/22; 2022/2023.

- Quattro ore di lezioni frontali nell'ambito del corso “ Chimica e Biochimica Agraria” . Argomento delle lezioni “ strategie alternative per il controllo di fitopatogeni ” . Responsabile del corso: Prof. Adriano Sofo.

-Otto ore di lezioni frontali nell'ambito del corso “Inquinamento del suolo e Bioremediation” . Argomento delle lezioni “ Strategie alternative per il biorisanamento” . Responsabile del corso: Prof. Adriano Sofo.

ORGANIZZAZIONE, DIREZIONE E COORDINAMENTO DI CENTRI O GRUPPI DI RICERCA NAZIONALI E INTERNAZIONALI O PARTECIPAZIONE AGLI STESSI

(per ciascuna voce inserire tipologia di progetto, titolo del progetto, anno, durata, eventuale ente finanziatore e importo del finanziamento, ruolo, gruppo di ricerca, ecc.)

Gruppo 1

Collaboration with Prof. Daniela Grulová

Department of Ecology, Faculty of Humanities and Natural Sciences - University of Prešov, Slovakia

Periodo di collaborazione: dal 01.04.2018 fino ad ora

Pubblicazioni prodotte:

Mancini E., Camele I., Elshafie H.S., De Martino L., Pellegrino C., Grulova D. and Vincenzo De Feo. 2014. Chemical composition and biological activity of the essential oil of *Origanum vulgare* ssp. *hirtum* from different areas in the Southern Apennines (Italy). Chem. & Biodiver. 11: (4), 639-651.

1. Elshafie H.S., Gruľová D., Baranová B., Caputo L., De Martino L., Sedlák V., Camele I. and De Feo V. 2019. Antimicrobial activity and chemical composition of essential oil extracted from *Solidago canadensis* L. growing wild in Slovakia. *Molecules*, 24, 1206; 1-13.
2. Gruľová, D., Caputo, L., Elshafie, H. S., Baranová, B., De Martino, L., Sedlák, V., Camele I. and De Feo, V. 2020. Thymol chemotype *Origanum vulgare* L. essential oil as a potential selective bio-based herbicide on monocot plant species. *Molecules*, 25(3), 595.
3. Elshafie H.S., Caputo L., De Martino L., Gruľová D., Zheljaskov V.D., De Feo V. and Camele I. 2020. Biological investigations of essential oils extracted from three *Juniperus* species and evaluation of their antimicrobial, antioxidant and cytotoxic activities. *J. Appl. Microbiol.*
4. Camele, I.; Gruľová, D.; Elshafie, H.S.* 2021. Chemical Composition and Antimicrobial Properties of *Mentha _ piperita* cv. 'Kristinka' Essential Oil. *Plants* 10, 1567.
5. Gruľová D, Baranová B, Francolino R, Elshafie HS, Kiššová Z, Glovařáková A, De Martino L, Amato G, Martino M, Caputo L, Polito F, Manna F, Camele I, Tkáčiková L, De Feo V. Exploring the Diverse Biological Properties of Cannabidiol: A Focus on Plant Growth Stimulation. *Chem Biodivers.* 2024 Mar 11:e202400274.

Convegni internazionali

1. De Martino L., Elshafie H.S., Gruľová D., Baranova B., Caputo L., Sedlak V., Camele I., De Feo V., 2019. *Solidago canadensis* L.: a dangerous plant invader as possible pest control, 2019. (OC6). 2nd International Congress on Edible Medicinal and Aromatic Plants (ICEMAP 2019), 19-21 June 2019- Alghero (SS), Italy.
2. Gruľová Daniela, Caputo Lucia, Elshafie Hazem S., Baranová Beáta, De Martino Laura, Sedlák Vincent, Gogal'ová Zuzana, Poráčová Janka, Camele Ippolito, De Feo Vincenzo. Thymol chemotype *Origanum vulgare* L. Essential oil as a potential bio-Herbicide on monocotyledonous plants. XVII congress of the Italian Society of Phytochemistry, 3rd International Congress on Edible, Medicinal and Aromatic Plants (ICEMAP 2022). 22-24 June 2022, Aula Magna "Aldo Cossu", University of Bari, P.zza Umberto, 1 – Bari.
3. De Martino L., Elshafie H.S., Caputo L., Gruľová D., Zheljaskov V.D., De Feo V., Camele I. Chemical and biological investigations of essential oils from *Juniperus* genus. ISEO 2022 - 52nd International Symposium on Essential Oils, Wrocław, 4-7 September.

Gruppo 2

Collaboration with Prof. Sawsan Abd-Ellatif

Bioprocess Development Department, City of Scientific Research and Technological Applications (SRTA), Borg Al Arab City, Alexandria (Egypt)

Periodo di collaborazione: dal 01.01.2022 fino ad ora

Pubblicazioni prodotte:

2022

1. Soliman, S.A.; Hafez, E.E.; Al-Kolaibe, A.M.G.; Abdel Razik, E.-S.S.; Abd-Ellatif, S.; Ibrahim, A.A.; Kabeil, S.S.A.; Elshafie, H.S. 2022. Biochemical Characterization, Antifungal Activity, and Relative Gene Expression of Two *Mentha* Essential Oils Controlling *Fusarium oxysporum*, the Causal Agent of *Lycopersicon esculentum* Root Rot. *Plants* 11, 189. DOI: 10.3390/plants11020189.
2. Abd-Ellatif, S.; Ibrahim, A.A.; Safhi, F.A.; Abdel Razik, E.S.; Kabeil, S.S.A.; Aloufi, S.; Alyamani, A.A.; Basuoni, M.M.; Alshamrani, S.M.; Elshafie, H.S. 2022. Green Synthesized of *Thymus vulgaris* Chitosan Nanoparticles Induce Relative WRKY-Genes Expression in *Solanum lycopersicum* against *Fusarium*

solani, the Causal Agent of Root Rot Disease. Plants, 11,3129. DOI: <https://doi.org/10.3390/plants11223129>.

2023

3. Al-Sarraj, F.; Alotibi, I.; Al-Zahrani, M.; Albiheyri, R.; Alghamdi, M.A.; Nass, N.M.; Abd-Ellatif, S.; Makhlof, R.T.M.; Alsaad, M.A.; Sajer, B.H.; Elshafie H.S. Green Synthesis of Chitosan-Capped Gold Nanoparticles Using *Salvia officinalis* Extract: Biochemical Characterization and Antimicrobial and Cytotoxic Activities. Molecules 2023, 28, 7762. <https://doi.org/10.3390/molecules28237762>

In progress 2024

1. Essential Oils from *Olea europaea* and *Cyperus esculentus* Show Promising Therapeutic Effects in a Rat Model of Alzheimer's Disease (submitted to Plants)

Gruppo 3

Collaboration with

Prof. Sadeek A. Sadeek

Faculty of Science, University of Zagazig, Egypt

Prof. Wael Zordok

Department of Chemistry, University College of Qanfuqha, Umm Al-Qura University, KSA, Saudi Arabia

Periodo di collaborazione: dal 01.09.2015 fino ad ora

Pubblicazioni prodotte:

1. Sakr S.H., Elshafie H.S., Camele I. and Sadeek S.A., 2018. Synthesis, spectroscopic, and biological studies of mixed ligand complexes of gemifloxacin and glycine with Zn(II), Sn(II), and Ce(III). Molecules 23: (1182), 1-17. IF: 2.8. DOI: 10.3390/molecules23051182.
2. Elshafie H.S., Sakr S.H., Sadeek S.A. Camele I., 2019. Biological investigations and spectroscopic studies of new Moxifloxacin/Glycine-Metal complexes. Chem. & Biodiversity. 16, (3), p. e1800633, p. 1-13. IF: 1.61. DOI. 10.1002/cbdv.201800633.
3. Elshafie, H.S., Sadeek, S. A., Camele, I., Awad H.M. and Mohamed, A.A. 2020. Biological and Spectroscopic Investigations of New Tenoxicam and 1.10-Phenthroline Metal Complexes. Molecules 26 (12), 1027. DOI: 10.3390/molecules26123662.
4. Elshafie, H.S.; Sadeek, S.A.; Zordok, W.A.; Mohamed, A.A. 2021. Meloxicam and Study of Their Antimicrobial Effects against Phyto and Human Pathogens. Molecules, 26, 1480. DOI: 10.3390/molecules26051480.
5. Mohamed A.A., Elshafie H.S.*, Sadeek S.A. and Camele I. 2021. Biochemical Characterization, Phytotoxic Effect and Antimicrobial Activity against Some Phytopathogens of New Gemifloxacin Schiff Base Metal Complexes. Chem. Biodiversity 2021, 18, e2100365. DOI: 10.1002/cbdv.202100365.
6. El-Attar M.S., Elshafie H.S., Sadeek S.A., El-Farargy A.F., El-Desoky S.I., El-Shwiniy W.H., and Camele I. 2022. Biochemical Characterization and Antimicrobial Activity against Some Human or Phyto-Pathogens of New Diazonium Heterocyclic Metal Complexes. Chem. Biodiversity 19, e202100785. DOI: 10.1002/cbdv.202100785.
7. Elshafie, H.S.; Sadeek, S.A.; Camele, I.; Mohamed, A.A. 2022. Biochemical Characterization of New Gemifloxacin Schiff Base (GMFX-o-phdn) Metal Complexes and Evaluation of Their Antimicrobial Activity against Some Phyto- or Human Pathogens. Int. J. Mol. Sci. 23, 2110. DOI: 10.3390/ijms23042110.

8. El-Attar, M.S.; Sadeek, S.A.; Abd El-Hamid, S.M.; Elshafie, H.S. 2022. Spectroscopic Analyses and Antimicrobial Activity of Novel Ciprofloxacin and Hydroxy-4-Methylcoumarin, the Plant-Based Natural Benzopyrone Derivative. Int. J. Mol. Sci. 23, x. DOI: 10.3390/ijms23148019
9. Mohamed, A.A.; Ahmed, F.M.; Zordok, W.A.; El-Shwiniy, W.H.; Sadeek, S.A.; Elshafie, H.S. 2022. Novel Enrofloxacin Schiff Base Metal Complexes: Synthesis, Spectroscopic Characterization, Computational Simulation and Antimicrobial Phyto-Pathogens. Inorganics, 10,177. DOI: <https://doi.org/10.3390/inorganics10110177>.

Convegni internazionali

1. Sakr S.H., **Elshafie H.S.**, Camele I. and **Sadeek S.A.** 2016. Synthesis, spectroscopic characterization and biological studies of mixed ligand complexes of gemifloxacin drug and glycine with Sn(II), Zn(II) and Ce(IV). The Eleventh International Environmental Science Conference Basic Science and their Applications for Environmental protection and renewable development Faculty of Science, Zagazig University Zagazig, Egypt at 17.07.2016.
2. Sakr S.H., **Elshafie H.S.**, Amato M., De Feo V., **Sadeek S.A.** and Camele I., 2018. Controlling *Aspergillus niger* using chia essential oil and gemifloxacin-metal complexes. 2nd Mediterranean Forum for PhD Students and Young Researchers - Research and Innovation as Tools for Sustainable Agriculture, Food and Nutrition Security - CIHEAM Bari, Italy. September, 18-20, 2018.

ATTIVITÀ DI RELATORE A CONGRESSI E CONVEGNI NAZIONALI E INTERNAZIONALI

(inserire titolo congresso/convegno, data, durata in giorni/ore, ente organizzatore, ecc.)

- 1- Member of the Organizing Committee for the "3rd International Conference on Plant Sciences (IECPS 2024)" organized by the MDPI open-access journal Plants, held on January 15-17, 2024.
- 2- The first scientific international conference - "Egyptian Agriculture Between Reality and Hope Considering Global Challenges and Climate Changes" organized by Faculty of Agriculture, Zagazig University - Hurghada, Egypt, from 28.02.2023 until 04.03.2023
- 3- The first scientific international conference - "Agriculture Expansion and Sustainable Development (challenges and Solutions). organized by Faculty of Agriculture, Zagazig University - Sharm El Sheikh, Egypt from 01.03.2024 until 04.03.2024.

Elenco Atti di Convegno (Invited speaker)

1. Lamorte D., Elshafie H.S., Lelario F., Bufo S.B. and Iacobellis N.S., 2010. Production of bioactive secondary metabolites by *Burkholderia gladioli* pathovars. In: Book of abstracts of the 6th European Conference on pesticides and related organic micro-pollutants in the environment, 12th Symposium on Chemistry and fate of modern pesticides, conference session 5 - Natural product-based Biopesticides, Matera- Italy. September 5-10, 2010, pp. 350-351.
2. Elshafie H.S., Lamorte D., Lelario F., Bufo S.B. and Iacobellis N.S., 2010. Characterization of bioactive secondary metabolites by *Burkholderia gladioli* pv. *agraricola*. In: book of abstracts of the Fourth international

conference on natural toxins. Conference session c - microbial toxins and food poisoning. Ismailia- Egypt. December 20-22, 2010, pp. 99-100.

3. Elshafie H.S., Iacobellis N.S. and Bufo S.A., 2012. AHLs-deficient mutants of *Burkholderia gladioli* pv. *agaricicola* have a decreased antimicrobial activity and a reduced pathogenicity against *Agaricus bisporus* mushrooms. In: Book of abstracts of the 5th Saudi Science Conference (SSC5), Umm Al-Qura University. Macca- Saudia Arabia, April 16-18, 2012, pp. 92-93.
4. Elshafie H.S., Sakr S.H., Mang S., Frisullo S. and Camele I., 2018. Preliminary investigation of antimicrobial effects of pomegranate (*Punica granatum* L.) leathery exocarp extract against some serious phytopathogens. 2nd Mediterranean Forum for PhD Students and Young Researchers - Research and Innovation as Tools for Sustainable Agriculture, Food and Nutrition Security - CIHEAM Bari, Italy. September, 18-20, 2018.
5. Elshafie H.S., Caputo L., Sakr S.H., Racioppi R., D'Auria M., De Feo V. and Camela I., 2019. In vitro antagonistic activity of *Bacillus mojavensis* against some post-harvest fungi. 6th Symposium on Organic Agriculture, Izmir - Turkey on May 15-17, 2019.

TITOLI DI CUI ALL'ARTICOLO 24 COMMA 3 LETTERA A) E B) DELLA LEGGE 30 DICEMBRE 2010, N. 240
(indicare se contratto di tipologia A o B, Ateneo, data di decorrenza e fine contratto/periodo/durata in anni, ecc.)

RTDA , Università degli Studi della Basilicata, Contratto n. 151 del
31.12.2021

PRODUZIONE SCIENTIFICA

PUBBLICAZIONI SCIENTIFICHE

(per ciascuna pubblicazione indicare: nomi degli autori, titolo completo, casa editrice, data e luogo di pubblicazione, codice ISBN, ISSN, DOI o altro equivalente)

Journal articles – ISI web of Science & Scopus (62)

2011

1. Ceglie F., **Elshafie H.S.**, Verrastro V. and Tittarelli F., **2011**. Evaluation of olive pomace and green waste composts as peat substitutes for organic tomato seedling production. **J. Compost Sci. Util.** 19: (4), 293-300.
DOI: 10.1080/1065657X.2011.10737011. **WOS:** 000298069100008. **SCOPUS:** 2-s2.0-84855817439.

2012

2. **Elshafie H.S.**, Camele I, Racioppi R., Scrano L., Iacobellis N.S. and Bufo S.A., **2012**. *In vitro* antifungal activity of *Burkholderia gladioli* pv. *agaricicola* against some Phytopathogenic fungi. **Int. J. Mol. Sci.** 13: 16291-16302.
DOI: 10.3390/ijms131216291. **WOS:** 000312608100047. **SCOPUS:** 2-s2.0-84871694917.

2014

3. Mancini E., Camele I., **Elshafie H.S.**, De Martino L., Pellegrino C., Gruřová D. and Vincenzo De Feo. **2014**. Chemical composition and biological activity of the essential oil of *Origanum vulgare* ssp. hirtum from different areas in the Southern Apennines (Italy). **Chem. & Biodiver.** 11: (4), 639-651.

DOI: 10.1002/cbdv.201300326. WOS: 000333920200011. SCOPUS: 2-s2.0-84898717487.

2015

4. Frisullo S., **Elshafie H.S.** and Mang S.M., 2015. First report of two Phomopsis species on olive trees in Italy. **J. Plant Pathol.** 97 (2), 391-403.

DOI: 10.4454/JPP.V97I2.010. WOS: 000358837300046. SCOPUS: 2-s2.0-84940107143.

5. **Elshafie H.S.**, Mancini E., Camele I., Martino L.D. and De Feo V., **2015**. *In vivo* antifungal activity of two essential oils from Mediterranean plants against postharvest brown rot disease of peach fruit. **Indus. Crops Produc.** 66: 11–15.

DOI: 10.1016/j.indcrop.2014.12.031. WOS: 000350932900002. SCOPUS: 2-s2.0-84921294239.

6. **Elshafie H.S.**, Mancini E., Sakr S., De Martino L., Mattia C.A., De Feo V., Camele I., **2015**. Antifungal activity of some constituents of *Origanum vulgare* L. essential oil against postharvest disease of peach fruit. **J. Med Food** 18: (8), 929–934.

DOI: 10.1089/jmf.2014.0167. WOS: 000362082300013. SCOPUS: 2-s2.0-84937840059.

2016

7. Mang S.M, Frisulo S., **Elshafie H.S.** and Camele I., **2016**. Diversity evaluation of *Xylella fastidiosa* from infected olive trees in Apulia (Southern Italy). **Plant Pathol. J.** 32: (1), 1-10.

DOI: org/10.5423/PPJ.OA.08.2015.0153. WOS: 000373249400004. SCOPUS: 2-s2.0-84964048303.

8. **Elshafie H.S.**, Ghanney N., Mang S.M., Ferchichi A. and Camele I., **2016**. An *in vitro* attempt for controlling severe phytopathogens and human pathogens using essential oils from Mediterranean plants of genus Schinus. **J. Med Food** 19: (3), 266-273.

DOI: 10.1089/jmf.2015.0093. WOS: 000372359000006. SCOPUS: 2-s2.0-84962503040.

9. Cosentino C., Labella C., **Elshafie H.S.**, Camele I., Musto M., Paolino R. and Freschi P., **2016**. Effects of different heat treatments on lysozyme quantity and antimicrobial activity of jenny milk. **J. Dairy Sci.** 99: (7), 5173–5179.

DOI: 10.3168/jds.2015-10702. WOS: 000377995100016. SCOPUS: 2-s2.0-84964901132.

10. Frisulo S., Mang S.M, **Elshafie H.S.** and Camele I., **2016**. First report of anthracnose disease caused by *Colletotrichum acutatum* on *Lupinus albus* in Italy. **Plant Disease.** 100: (8), pp. 1789.

DOI: org/10.1094/PDIS-03-16-0268-PDN. WOS: 000380299200071. SCOPUS: 2-s2.0-85015300622.

11. **Elshafie H.S.**, Sakr S., Mang S.M., De Feo V. and Camele I., **2016**. Antimicrobial activity and chemical composition of three essential oils extracted from Mediterranean aromatic plants. **J. Med. Food.** 19 (11): 1096-1103.

DOI: 10.1089/jmf.2016.0066. WOS: 000388115600012. SCOPUS: 2-s2.0-84997018069.

2017

12. **Elshafie H.S.**, Racioppi R., Bufo S.A. and Camele I., **2017**. *In vitro* study of biological activity of four strains of *Burkholderia gladioli* pv. *agaricicola* and identification of their bioactive metabolites using GC–MS. **Saudia J. Biol Sci.** 24: 295–301.

DOI: 10.1016/j.sjbs.2016.04.014. WOS: 000395503700010. SCOPUS: 2-s2.0-84975709422.

13. **Elshafie H.S.**, Armentano M.F., Carmosino M., Bufo S.A., De Feo V. and Camele I. **2017**. Cytotoxic activity of *Origanum vulgare* L. on Hepatocellular carcinoma cell line HepG2 and evaluation of its biological activity. **Molecules** 22: (1435), 1-16.

DOI: 10.3390/molecules22091435. WOS: 000411499400041. SCOPUS: 2-s2.0-85029655813.

14. **Elshafie H.S.**, Sakr S., Bufo S.A. and Camele I. **2017**. An attempt of biocontrol the tomato-wilt disease caused by *Verticillium dahliae* using *Burkholderia gladioli* pv. *agraricola* and its bioactive secondary metabolites. **Int. J. Plant Biol.** 8: (7263), 57-60.
DOI: 10.4081/pb.2017.7263. SCOPUS: 2-s2.0-85042036126.
15. **Elshafie H.S.** and Camele I. **2017**. An overview of the biological effects of some Mediterranean essential oils on human health (Review article). **Biomed Res. Int.** Volume 2017, Article ID 9268468, 14 pages.
DOI: 10.1155/2017/9268468. WOS: 000414295000001. SCOPUS: 2-s2.0-85041905719.
16. **Elshafie H.S.**, Viggiani L., Mostafa M.S., El-Hashash M.A., Bufo S.A. and Camele I. **2017**. Biological activity and chemical identification of ornithine lipid produced by *Burkholderia gladioli* pv. *agraricola* ICMP 11096 using LC-MS and NMR analyses. **J. Biol. Res.** 90: (6534), 96-103.
DOI: 10.4081/jbr.2017.6534. WOS: 000439967900006. SCOPUS: 2-s2.0-85041902497.
17. Mostafa M.S., **Elshafie H.S.** and Ghaleb S. **2017**. A rapid and simple procedure for monitoring valproic acid by gas chromatography. **J. Biol. Res.** 90: (6359), 61-65.
DOI: 10.4081/jbr.2017.6359. WOS: 000439967900002. SCOPUS: 2-s2.0-85041904610.

2018

18. Camele I., Mang S.M., Elshafie H.S. and Frisulo S., 2018. First report of *Colletotrichum acutatum* causing anthracnose in *Feijoa sellowiana* in Italy. **Plant Disease**.
DOI: 10.1094/PDIS-01-18-0183-PDN. WOS: 000442063800028. SCOPUS: 2-s2.0-85053058920.
19. **Elshafie H.S.**, Aliberti, L., Amato M., De Feo V. and Camele I. **2018**. Chemical composition and antimicrobial activity of chia (*Salvia hispanica* L.) essential oil. **Europ. Food Res. Technol.** 244: 1675–1682.
DOI: 10.1007/s00217-018-3080-x. WOS: 000440731100016. SCOPUS: 2-s2.0-85045722543.
20. Sofo A., **Elshafie, H.S.** Scopa A., Mang S.M. and Camele I., **2018**. Impact of airborne zinc pollution on the antimicrobial activity of olive oil and the microbial metabolic profiles of Zn-contaminated soils in an Italian olive orchard. **J. Trace Elem. Med. Biol.** 49: 276–284.
DOI: 10.1016/j.jtemb.2018.02.01. WOS: 000439679000038. SCOPUS: 2-s2.0-85042390633.
21. Sakr S.H., **Elshafie H.S.**, Camele I. and Sadeek S.A., **2018**. Synthesis, spectroscopic, and biological studies of mixed ligand complexes of gemifloxacin and glycine with Zn(II), Sn(II), and Ce(III). **Molecules** 23: (1182), 1-17.
DOI: 10.3390/molecules23051182. WOS: 000435204000197. SCOPUS: 2-s2.0-85047213734.
22. Cosentino C., Labella C., **Elshafie H.S.**, D'Adamo C., Pecora P., Musto M., Paolino R., Camele I. and Freschi P., **2018**. Study on the protective effect of an innovative cow milk-based product against some human skin-bacterial pathogens. **J. Biol. Res.** 91: (1), 35-39.
DOI: 10.4081/jbr.2018.7426. WOS: 000439976400010. SCOPUS: 2-s2.0-85049656566.

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Data

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Luogo

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