





Personal information	
Name	Ahmed Mohammed Mahmoud Mustafa
Address	Pharmacognosy dept., Faculty of Pharmacy, University of
	Zagazig, 44519 Zagazig, Sharkia, Egypt.
Telephone	01090535401
E-mail	ahmed.mustafa@unicam.it, a m elkadeem@zu.edu.eg
Nationality	Egyptian
Date of birth	October13, 1982
Gender	Male
Work experience	
(a)	
- Dates	From September 2016 to now.
- Occupation or position held	Lecturer of Pharmacognosy, PhD (Italy).
	(Part time).
Main activities and	Teaching (Academic staff member).
responsibilities	
Name and address of	Faculty of Pharmacy, University of Sinai (Kantara branch), East
employer	Kantara – El Ismailia – Egypt.
Type of business or sector	Pharmacy.
(b)	
- Dates	From October 2015 to now.
- Occupation or position held	Lecturer of Pharmacognosy and Phytochemistry, PhD (Italy).
	(Full time).
Main activities and	Teaching and Research (Academic staff member).
responsibilities	
Name and address of	Faculty of Pharmacy, University of Zagazig, 44519 Zagazig,
employer Type of business or sector	Egypt. Pharmacy.



(c)	
- Dates	From May 2012 to June 2015.
- Occupation or position held	PhD student in Pharmaceutical Sciences (Italy).
- Main activities	Research.
- Name and address of	School of Pharmacy, University of Camerino, 62032 Camerino,
employer	Italy.
- Type of business or sector	Pharmacy (Food Chemistry, Pharmacognosy, Phytochemistry,
	Analytical Chemistry).
(d)	
- Dates	From 2004 to October 2015.
- Occupation or position held	Instructor (2004-2011), then Assistant lecturer (2011-2015) of
	Pharmacognosy and Phytochemistry.
Main activities and	Teaching and Research (Academic staff member).
responsibilities	
Name and address of	Faculty of Pharmacy, University of Zagazig, 44519 Zagazig,
employer	Egypt.
Type of business or sector	Pharmacognosy and Phytochemistry.

Education and training	
(a)	
- Dates	From May 2012 to June 2015.
- Title of qualification	PhD in Pharmaceutical Sciences (Pharmacognosy and
awarded	Phytochemistry) (Italy).
- Principal subjects	Theoretical and Practical Courses in HPLC (HPLC-MS; HPLC-
occupational skills	MS/MS) and GC (GC-FID, GC/MS) of natural products.
covered	
- Name and type of	- School of Pharmacy, University of Camerino, Italy.
organisation providing	- Governmental Organization.
education and training	
(b)	
- Dates	From July 2014 to December 2014 (during PhD).
- Title of qualification	Training and research in Pharmacology and Pharmacognosy



awarded	laboratories in Turkey. (Exchange research program between Italy
	and Turkey during my PhD in Italy)
- Principal subjects	Theoretical and Practical Courses in Pharmacology and
/occupational skills	Pharmacognosy.
covered	
- Name and type of	- Faculty of Pharmacy, Anadolu University, Turkey.
organisation providing	- Governmental Organization.
education and training	
(c)	
- Dates	From 2007 to 2011
- Title of qualification	Master of Pharmaceutical Sciences (Pharmacognosy) and my
awarded	master thesis entitled "Pharmacognostical and biological studies of
	Ficus retusa L. 'variegata' grown in Egypt".
- Principal subjects	- Courses in Physical Chemistry, Mathematics & Statistics,
/occupational skills	Instrumental Analysis [Advanced Chromatography, Spectroscopy
covered	(UV, IR, MS, <sup>1</sup> H-NMR, <sup>13</sup> C-NMR)].
	- Courses in Computer Science "MS-Dos, Windows, Spss win",
	Faculty of Science, University of Zagazig.
- Name and type of	- Faculty of Pharmacy, University of Zagazig, Egypt.
organisation providing	- Governmental Organization.
education and training	
(d)	
- Dates	From 1999 to 2004
- Title of qualification	Bachelor of Pharmaceutical Sciences (Excellent with Honor
awarded	degree).
- Principal subjects	Courses in Physics, Physical Chemistry, Organic Chemistry,
/occupational skills covered	Botany, Zoology, Computer, General Pharmacognosy & Medicinal
	Plants, Pharmaceutics, Analytical Chemistry, Anatomy, Histology,
	Physiology, Mathematics, Psychology, Pharmaceutical
	Microbiology, Pharmacology, Medicinal Chemistry, Biochemistry,
	Phytochemistry, Public Health, General Pathology &
	Paracytology, Applied Pharmacognosy, Industrial Pharmacy,



Bioassay of Drugs & Biostatistics, Toxicology & Forensic
Chemistry.
- Faculty of Pharmacy, University of Zagazig, Egypt.
- Governmental Organization.
High level (Five years course).
1. Research and Practical Skills :
a-Extraction and isolation of active constituents from plants by
different chromatographic methods.
b-Structural elucidation of natural products using modern
chromatographic techniques (HPLC, GLCetc.) and
spectroscopic methods (IR,UV, MS, <sup>1</sup> H- and <sup>13</sup> C-NMR).
c-Plant tissue culture and biotechnology.
d- Analysis of medicinal plants and natural products using
advanced and modern chromatographic techniques (e.g. HPLC-
DAD, HPLC-MS, HPLC-MS/MS, GC-FID, GC-MS).
e- Biological evaluation of medicinal plants and natural products.
2. Teaching Experiences :
Participated in teaching many practical and theoretical courses
at Faculty of Pharmacy, University of Zagazig:
Such as Botany & Medicinal Plants, Pharmacognosy-I,II,
Phytochemistry-I,II, Applied Pharmacognosy, Phytotherapy,
Natural products and Biotechnology.
Arabic
English, Italian
Reading Speaking Writing
Excellent Very Good Excellent
1- A member of the General Syndicate of Egyptian
1- A member of the General Syndicate of Egyptian Pharmacists.
Pharmacists.



	4- A member of the Continuous Improvement and Qualifying
	for Accreditation Project (CIQAP) in the faculty of Pharmacy,
	Zagazig University.
	5- A member of the <b>quality assurance unit</b> in the faculty of
	Pharmacy, Zagazig University.
	6- Coordinator of education and learning standard, faculty of
	Pharmacy, Zagazig University.
	7- Chancellor of <b>Sport Committee</b> of the faculty of Pharmacy,
	Zagazig University.
	8- A member of <b>Pharmacognosy Department Council</b> at the
	faculty of Pharmacy, Zagazig University.
	9- A member of <b>Alumni</b> of University of Camerino, Italy.
	10- A Peer reviewer in Food Analytical Methods Journal
	(America).
	11- A member of the <b>scientific committee</b> of "IV International
	Congress for Applied Biological Sciences", Faculty of Pharmacy,
	Anadolu University, Eskişehir, Turkey; May 3-5, 2018.
	(http://www.icabs.gen.tr/)
	12- An External Examiner for bachelor oral exams for
	pharmacy students in many Egyptian universities e.g. Sinai, Tanta,
	Helwan, ElAzhar, Assiut universities etc.
	13- Safety and Security Coordinator in Pharmacognosy dept.,
	faculty of Pharmacy, Zagazig University.
Technical skills and	- UV spectrophotometer.
competences	- High performance liquid chromatography (HPLC-DAD, HPLC-
•	MS, HPLC-MS/MS).
	- Gas chromatography (GC-FID, GC-MS).
Computer skills and	- Many courses in Computer Science "MS-Dos, Windows,
competences	Microsoft office (Word, Excel, Access, Powerpoint).
	- ICDL license.
	- Scientific programs such as Spss windows, chemoffice
	(chemDraw)etc.
Driving licence	Yes



### **PUBLICATIONS**

- 1. Sarg, T.M.; Abbas, F.A; El Sayed, Z.I. & Mustafa, A.M. (2010). Macro- and Micromorphological Study of The Leaf, Stem and Root of *Ficus retusa* L.'variegata'. *Mansoura Journal of Pharmaceutical Sciences (MJPS)*, 26 (2), 1-10.
- 2. Sarg, T.M.; Abbas, F.A; El Sayed, Z.I. & **Mustafa, A.M.** (2011). Two new polyphenolic compounds from *Ficus retusa* L. "variegata" and the biological activity of the different plant extracts. *J. Pharmacognosy and Phytotherapy*, *3*(7), 89-100.
- 3. **Mustafa, A. M.**, Ricciutelli, M., Maggi, F., Sagratini, G., Vittori, S. & Caprioli, G. (2014). Simultaneous Determination of Eighteen Bioactive Compounds in Italian Bitter Liqueurs by Reversed Phase-High Performance Liquid Chromatography-Diode Array Detection. *Food Anal. Methods* 7: 697–705.
- 4- Mustafa, A. M., Caprioli, G., Ricciutelli, M., Maggi, F., Marín, R., Vittori, S., & Sagratini G. (2015). Comparative HPLC/ESI-MS and HPLC/DAD study of different populations of cultivated, wild and commercial *Gentiana lutea* L. *Food Chemistry*, 174, 426–433.
- 5- Ahmed M. Mustafa, Giovanni Caprioli, Filippo Maggi, Sauro Vittori & Gianni Sagratini. Comparative Analysis of the Volatile Profiles from Wild, Cultivated, and Commercial Roots of Gentiana lutea L. by Headspace Solid Phase Microextraction (HS-SPME) Coupled to Gas Chromatography Mass Spectrometry (GC-MS). Food Methods. DOI Anal. 10.1007/s12161-015-0196-5.
- 6- **Ahmed M. Mustafa**, Filippo Maggi, Fabrizio Papa, Elif Kaya, Miris Dikmen & Yusuf Öztürk. Isofuranodiene: A neuritogenic compound isolated from wild celery (*Smyrnium olusatrum* L., Apiaceae). *Food Chemistry*, 192 (2016) 782–787.
- 7- **Ahmed M. Mustafa**, Filippo Maggi, Gianni Sagratini, Giovanni Caprioli, Sauro Vittori, Elif Kaya, Miris Dikmen &Yusuf Öztürk. Evaluation of neuritogenic activity of Cultivated, Wild and Commercial Roots of *Gentiana lutea* L.,



Journal of Functional Foods, 19 (2016), 164-173.

- 8- **Ahmed M. Mustafa**, Filippo Maggi, Nilgun Öztürk, Yusuf Öztürk, Gianni Sagratini, Elisabetta Torregiani, Sauro Vittori, Giovanni Caprioli. Chemical and biological analysis of the byproduct obtained byprocessing Gentiana lutea L. and other herbs during production ofbitter liqueurs. *Industrial Crops and Products*, 80 (2016) 131–140.
- 9-Mustafa, A. M., Maggi, F., Sagratini, G., Vittori, S., Eröz-Poyraz, I., Ozturk, N., & Ozturk, Y. (2016). ANTIOXIDANT ACTIVITIES OF METHANOLIC EXTRACTS OF CULTIVATED, WILD AND COMMERCIAL ROOTS OF GENTIANA LUTEA L: COMPARATIVE AND COLLABORATIVE STUDY. Journal of International Society of Antioxidants in Nutrition & Health, 1(1).
- 10. **Ahmed M. Mustafa\***, Samih I. Eldahmy, Giovanni Caprioli, Massimo Bramucci, Luana Quassinti, Giulio Lupidi, Daniela Beghelli, Sauro Vittori & Filippo Maggi (2018) Chemical composition and biological activities of the essential oil from *pulicaria undulata* (L.) C. A. Mey. Growing wild in Egypt, Natural Product

Research, DOI: <u>10.1080/14786419.2018.1534107</u>.

- 11. Nabila Souilah, Hamdi Bendif, Zain Ullah, Mohamed Djamel Miara, Messaoud Laib, Mehmet Öztürk, Salah Akkal, Kamel Medjroubi and Ahmed M. Mustafa\*, "LC-MS/MS Profiling of 37 Fingerprint Phytochemicals of Oenanthe fistulosa L. and its Biological Activities", The Natural Products Journal (2019) 9: 1. https://doi.org/10.2174/2210315509666191111102557
- 12. Zengin, G., Sinan, K. I., Mahomoodally, M. F., Angeloni, S., **Mustafa, A. M.**, Vittori, S., ... & Caprioli, G. (2020). Chemical Composition, Antioxidant and Enzyme Inhibitory Properties of Different Extracts Obtained from Spent Coffee Ground and Coffee Silverskin. *Foods*, *9*(6), 713.



## **ORAL COMMUNICATIONS**

- 1- OPTIMIZATION OF LIQUOR PRODUCTION FROM HERBS AND SEEDS: FROM THE CHARACTERIZATION OF THE PLANTS TO THE RECOVERY OF HIGH VALUABLE BIOACTIVE COMPOUNDS FROM LIQUORS INDUSTRIAL BY-PRODUCTS. (Protocol of understanding between Province of Macerata, Macerata Confindustria, Chamber of Commerce of Macerata and Unicam 2012).
- 2- Pilar Vila Donat, Giovanni Caprioli, Paolo Conti, Filippo Maggi, Ahmed M. Mustafa, Massimo Ricciutelli, Gianni Sagratini, Veronica Sirocchi, Elisabetta Torreggiani, Sauro Vittori, Development of an analytical method for the analysis of soyasaponins I E βg in lentils by HPLC-MS/MS triple quadrupole (SVILUPPO DI UNA METODICA ANALITICA PER L'ANALISI DI SOIASAPONINE I E Bg NELLE LENTICCHIE MEDIANTE HPLC-MS/MS TRIPLO QUADRUPOLO). XXXII CONVEGNO INTERREGIONALE DELLE SEZIONI TOSCANA UMBRIA MARCHE ABRUZZO, 1-2 Luglio 2013, Sesto Fiorentino (FI), com OC6, p.11, dagli atti del convegno.
- 3- Ahmed M. Mustafa, Giovanni Caprioli, Massimo Ricciutelli, Filippo Maggi, Gianni Sagratini, Sauro Vittori. Comparative Study on Different Populations of Cultivated, Wild and Commercial *Gentiana Lutea* L. By LC/ESI–MS and HPLC/DAD. 8° MS-Pharmaday, Aboca Sansepolcro, 11-13 June 2014.
- 4- G. Caprioli, F. Maggi, **A. Mustafa**, M. Ricciutelli, G. Sagratini, S. Vittori. Chemical evaluation of cultivated roots of Gentiana Lutea L. and of by-product obtained during bitter liqueurs
- production by using mass spectrometry. 4 MS-Food Day, 7-9 October 2015, Foggia (Italy) Book of Abstract pag 57, OR10.



#### **POSTERS**

- 1. Sarg, T.M.; Abbas, F.A; El Sayed, Z.I. and <u>Ahmed M.</u> <u>Mustafa.</u> (2011). Macro- and Micromorphological Study of The Leaf, Stem and Root of *Ficus retusa* L.'variegata'.
- 2. Ahmed M. Mustafa, Giovanni Caprioli, Manuela Cortese, Filippo Maggi, Massimo Ricciutelli, Sagratini, Veronica Sirocchi, Pilar Vila Donat, Sauro Vittori, SIMULTANEOUS DETERMINATION OF EIGHTEEN **SECOIRIDOIDS** ALKALOIDS, FLAVONOIDS, **PHENOLIC ACIDS AND OTHER BIOACTIVE** COMPOUNDS IN THE ITALIAN BITTER BEVERAGES BY RP-HPLC-DAD, 1-2 Luglio 2013, Sesto Fiorentino (FI), P 05, p.34, dagli atti del convegno.
- 3. Veronica Sirocchi, Frank Devlieghere, Ahmed M. Mustafa, Nanou Peelman, Peter Ragaert, Gianni Sagratini, Pilar Vila Donat, Sauro Vittori, EFFETTO DELL'OLIO ESSENZIALE DI ROSMARINO **COMBINATO DIVERSI SISTEMI** DI CON **CONFEZIONAMENTO** PER **ESTENEDERE** LA SHELF-LIFE DELLA CARNE DI VITELLO, 1-2 Luglio 2013, Sesto Fiorentino (FI), P 29, p.58, dagli atti del convegno.
- Massimo Ricciutelli, Giovanni Caprioli, Manuela Cortese, Antonietta Lombardozzi, Ahmed Mustafa, Morela Strano, Sauro Vittori, Gianni Sagratini, Simultaneous determination of Taurine, Glucuronactone and Glucuronic acid in energy drinks by UHPLC-MS/MS, 3<sup>rd</sup> MS Food Day, Trento 9-11 Octobre 2013, P 19, pag. 134-135.
- 5. <u>Ahmed M. Mustafa</u>, Giovanni Caprioli, Filippo Maggi, Caterina Minnetti, Fabrizio Papa, Massimo Ricciutelli, Sauro Vittori, Gianni Sagratini, Quantification of ascorbic acid in the neglected vegetable *Smyrnium olusatrum* L. (Apiaceae) by liquid chromatography-mass spectrometry, 3<sup>rd</sup> MS Food Day, Trento 9-11 Octobre 2013, P 32, pag. 161-162.
- Veronica Sirocchi, Giovanni Caprioli, <u>Ahmed Mustafa</u>, Massimo Ricciutelli, Elisabetta Torregiani, Elisa Vittori, Sauro Vittori, Gianni Sagratini, <u>Free fatty acids as marker</u> for the stufy of cheese shelf life, 3° MS Food Day, Trento 9-11Octobre 2013, P 65, pag. 227-228.
- 7. Caprioli G., Cortese M., Maggi F., Mustafa A.M., Ricciutelli M., Sagratini G., Sirocchi V., Torregiani E., Vila-Donat P., Vittori S. Development of an analytical method for the quantification of isoflavones in legumes by SPE-UHPLC-MS/MS. X Congresso Italiano di Chimica degli Alimenti, Firenze, 6-10 luglio 2014.



- 8. Giovanni Caprioli, Dennis Fiorini, Filippo Maggi, Ahmed Mustafa, Gianni Sagratini, Elisabetta Torregiani, Pilar Vila-Donat, Sauro Vittori. Optimization of an analytical method for the evaluation of fatty acid composition in lentils by using GC-FID. X Congresso Italiano di Chimica degli Alimenti, Firenze, 6-10 luglio 2014.
- 9. G. Sagratini, G. Caprioli, F. Maggi, A. Mustafa, M. Ricciutelli, V. Sirocchi, S. Vittori. Comparative analysis of the volatile profiles from wild, cultivated and commercial roots of gentiana lutea L. by headspace solid phase microextraction (HS–SPME) coupled to gas chromatography mass spectrometry (GC-MS). 4 MS-Food Day, 7-9 October 2015, Foggia (Italy). Book of Abstract pag 140, P5.
- 10. Nilgün Ozturk, Ilham Eröz-Poyraz, Ahmed M. Mustafa, Filippo Maggi, Gianni Sagratini, Sauro Vittori, Yusuf Ozturk. The 15th International Conference on Oxidative Stress Reduction, Redox Homeostasis and Antioxidants. **ANTIOXIDANT ACTIVITIES** OF **METHANOLIC EXTRACTS** CULTIVATED, WILD OF AND COMMERCIAL ROOTS OF GENTIANA LUTEA L. : COLLABORATIVE COMPARATIVE AND STUDY". Institut Pasteur, Paris, **France**, June 22 – 24, 2015



Conferences	1. The First Conference of the Department of Pharmacognosy,
	Faculty of Pharmacy, University of Zagazig, Egypt. (2011).
	2. XXII Conference of the Interregional, Tuscany-Umbria-
	Marche-Abruzzo of Italian Chemical Society (TUMA 2013,
	Italy). [XXII Convegno Interregionale delle Sezioni Toscana
	Umbria Marche Abruzzo della Società Chimica Italiana.]
	3. 3 <sup>rd</sup> MS Food Day Conference, Trento (Italy), October
	9-11, 2013.
	4. 8° MS-Pharmaday, Aboca Sansepolcro (Italy), 11-13
	JUNE 2014.
Peer reviewer	* I reviewed 2 Manuscripts for <b>Food Analytical Methods</b> Journal:
	1. Mass Fragmentation Studies of α-tomatine and Validation of a
	Liquid Chromatogrtaphy LTQ-Orbitrap Mass Spectrometry
	Method for its quantification in Tomatoes. (2013)
	2. Comparative analysis of the volatile profile of 20 commercial
	samples of truffles, truffle sauces and truffle-flavored oils by
	using HS-SPMEGC- MS. (2016)
	* I reviewed 1 Manuscript for <b>Chemistry and Biodiversity</b> Journal:
	"Quantitative Evaluation of a Mexican and a Ghanaian
	Tabernaemontana Species as Alternatives to Voacanga africana for
	the Production of Antiaddictive Ibogan Type Alkaloids" (2020).
	* I reviewed 1 Manuscript for "Foods" Journal: Exploitation of Agroindustrial Waste as Potential Source of Bioactive Compounds for Aquaculture, 2020.
	* I reviewed 1 Manuscript for "Plants" Journal: Title: Analysis of environmental conditions effect in phytochemical composition and antioxidant activity of potato (Solanum tuberosum) cultivars, 2020.
	* I was one of the <b>scientific committee</b> of "IV International
	Congress for Applied Biological Sciences", Faculty of Pharmacy,
	Anadolu University, Eskişehir, Turkey; May 3-5, 2018.
	(http://www.icabs.gen.tr/)



### **Additional**

#### information

- \* Six training courses in "Faculty and Leadership Development Center- FLDC" in Zagazig University (Egypt) which are entitled:
- 1. Preparing, Writing, and Publishing a scientific paper.
- 2. Thinking Skills Improvement.
- 3. Using Technology in Education.
- 4. How to compete for a research fund.
- 5. Skills of active connection.
- 6. Skills of active showing.
- \* A course entitled "Basic Techniques in Cell Culture" in Medical Technology Center, Medical Research Institute, Alexandria University, Egypt.
- \* Certificate of English language.
- \* Certificate of Italian language.
- \* ICDL Certificate.
- \* Many training seminars in the school of advanced studies (SAS), University of Camerino - Italy :
  - Web Training@Unicam 2013 "Social Networks, job search and science communication. (Dr. Carlo Vaccari, 27 th May, , 2012 and 17th June, 2013).
  - **2.** English for writing research papers. (Prof. Michael Zebrak, 18<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup> June, 2012).
  - **3.** Mentoring in UNICAM. (Dr. Anna Maria Eleuteri, Dr. Stefania Pucciarelli, Dr. Ursula Wagner, 19<sup>th</sup> October, 2012).
  - **4.** Web Training@Unicam 2012.(Dr.Federico Butti and Dr.Massimo Callisto, 16<sup>th</sup>, 17<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup> July, 2012).
  - 5. European Research Area and Horizon 2020 Marie Curie Actions. (Dr. Carmela Di Santo, Dr. Simonetta Bernabei and Dr. Luca Ermini, 13 th July, 2012).
  - **6.** How to work in a team. (Dr. Elena Silva, 12 <sup>th</sup> July, 2012).
  - 7. How to write a scientific article for the general public , Communication of Science to the public. (Dr. Francesco Petretti, 28 th June, 2012).



	<b>8.</b> I have a business idea: where to start. (Dr. Nicola Cannata, 26 th June, 2012).
	<b>9.</b> I have a business idea: understanding the business model. (Dr.
	Nicola Cannata, 27 <sup>th</sup> June, 2012).
	10. Innovation and IPR management; Patent licensing. (Dr.
	Simona de Simone, 22 th June, 2012).
	11. "Horizon 2020: the EU Framework Programme for research
	and Innovation 2014-2020; The Priority Excellent Science and
	the European Research Council", (29 <sup>th</sup> June, 2012).
	<b>12.</b> English for writing research papers. (Prof. Michael Zebrak,
	21 <sup>st</sup> , 29 <sup>th</sup> May 2013 and 5 <sup>th</sup> , 12 <sup>th</sup> June 2013) and (20 <sup>th</sup> June,
	2012).
Projects	- A member of a research project funded by STDF entitled:  Micropropagation and Transplantation of Some Endangered Egyptian Biologically Active Medicinal Plants of Family Asteraceae.
	1- Prof. Dr. Samih El-Dahmy, Ph.D.
Referees	Professor of Pharmacognosy and Phytochemistry Faculty of Pharmacy, University of Zagazig, Egypt. E-mail: elsameeh@gmail.com
	2- Prof. Dr. Sauro Vittori, PhD Professor of Food and Drug Analysis, Former Dean of School of Pharmacy, Rector's Delegate for International Research, School of Pharmacy, University of Camerino, Italy E-mail: sauro.vittori@unicam.it Phone: +390737402266
	3- Prof. Dr. Yusuf Öztürk  Anadolu University Faculty of Pharmacy (Dean) Department of Pharmacology Tepebasi TR-26470 Eskisehir, TURKEY E-mail: yozturk@anadolu.edu.tr , yozturk1958@gmail.com Phone: +90-222-3350580 ext.3743 Fax: +90-222-3350750
	4- Prof. Dr. Ehsan Abo Zeid, Ph.D. Professor of Pharmacognosy and Phytochemistry, Faculty of Pharmacy, University of Zagazig, Egypt. E-mail: Ehsan_emran@yahoo.com Phone:002 055 01005668068



# 5- Ass. Prof. Filippo Maggi, M.D.

Associate Professor in Pharmaceutical Biology School of Pharmacy, Pharmaceutical Botany Unit University of Camerino

Via Sant'Agostino 1, I-62032, Camerino, Italy

Phone: 0039 0737404506 Email: filippo.maggi@unicam.it

### 6- Prof. Gianni Sagratini

Professor of Food Chemistry Referente Protocollo Agroalimentare Unicam-Aziende Università di Camerino Scuola di Scienze del Farmaco e dei Prodotti della Salute via S.Agostino 1 62032 Camerino, Italy +39 0737 402238

Email: gianni.sagratini@unicam.it

# 7- Ass. Prof. Maged El-Sayed, PhD

Associate professor of Pharmacognosy and Phytochemistry, Faculty of Pharmacy, University of Zagazig, Egypt. E-mail: Maged789@hotmail.com

# 8-Giovanni Caprioli, Ph.D.

Ricercatore in Chimica degli Alimenti Università di Camerino Scuola di Scienze del Farmaco e dei Prodotti della Salute Via S.Agostino 1 62032 Camerino, Italy +390737402238

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Luogo e data: Camerino, 12/06/2020 Firma\_\_\_\_\_