



Muhammad El-Shafeey

Assistant Researcher

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| <p>PERSONAL INFORMATION</p> | <p>Full Name: Affiliations: Address: Mobile No.: E-mail: Important links:</p> | <p>Muhammad El-Shafeey Medical Biotechnology Research Department, GEBRI New Borg El-Arab City, Alexandria, Egypt muhammad.elshafeey@gmail.com; melshafeey@srtacity.sci.eg https://orcid.org/0000-0002-8345-0052</p> |
| <p>EDUCATION</p> | <p>Dr. rer. nat. – 2019 Faculty of process sciences – Technical University of Berlin (Berlin)</p> <p>M.Sc. Zoology – 2010 Zoology Department, Faculty of Science, Minia University, Minia (Egypt)</p> <p>Postgraduate courses Zoology – 2007 Zoology Department, Faculty of Science, Minia University, Minia (Egypt)</p> <p>B.Sc. Zoology – 2004 Faculty of Science, Minia University, Minia (Egypt)</p> | |
| <p>ACTIVITIES</p> | <p>“Tag der Biotechnologie” TU-Berlin, (Berlin) - “Impact of stromal cells on chronic Cocksackievirus B3-induced myocarditis” – 2018 World Congress on Acute Heart Failure, Vienna, Austria “Cardioprotective and immunomodulatory effects of endomyocardial biopsy and atrial appendage-derived stromal cells in an acute model of Cocksackievirus B3-induced myocarditis” – 2018 Bioassays of medicinal plants workshop, SRTA-city, New Burg El-Arab city, Alexandria (Egypt) – 2012 Mycotoxycological risks in Mediterranean countries: Economic impact, prevention, management and control, Egypt-Italy workshop – 2010</p> | |

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| | <p>4th Saudi Science Conference: Contribution of Science Faculties in the Development Process of KSA (Al-Madina Al-munawwara) – 2010</p> |
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| <p>LIST OF PUBLICATIONS</p> | <p>Publications with peer review process</p> <p>a) M. A. Abu-Saied, M. Elnouby, T. Taha, M. El-shafeey, A.G. Alshehri, S. Alamri, H. Alghamdi, A. Shati, S. Alrumman, M. Al-Kahtani and M. Moustafa (2020): Potential Decontamination of Drinking Water Pathogens through K-Carrageenan Integrated Green Bottle Fly Bio-Synthesized Silver Nanoparticles. <i>Molecules</i>. 25: 1936.</p> <p>b) K. Pappritz, J. Grune, O. Klein, F. Dong, M. El-Shafeey, J. Lin, W. M. Kübler, U. Kintscher, C. Tschöpe, S. Van Linthout (2020): Speckle-tracking echocardiography combined with imaging mass spectrometry assesses region-dependent alterations. <i>Scientific Reports</i>. 10: 3629</p> <p>c) K. Valachová; T. M Tamer; M. A Hassan; A. M Omer; M. El-Shafeey; M. S Mohy Eldin; L. Šoltés (2020): Enhancement of wound healing by chitosan/hyaluronan polyelectrolyte membrane loaded with glutathione: In vitro and in vivo evaluations. <i>Journal of Biotechnology</i>. 310:103 – 113</p> <p>D) S. Pinkert, M. Pryshliak, K. Pappritz, K. Knoch, A. Hazini, B. Dieringer, K. Schaar, F. Dong, L. Hinze, J. Lin, D. Lassner, R. Klopfleisch, M. Solimena, C. Tschöpe, Z. Kaya, M. El-Shafeey, A. Beling, J. Kurreck, S. Van Linthout, K. Klingel, H. Fechner* (2019): Development of a new mouse model for coxsackievirus-induced myocarditis by attenuating coxsackievirus B3 virulence in the pancreas. <i>Cardiovascular research</i>. Doi: 10.1093/cvr/cvz259</p> <p>E) T. M. Tamer*, K. Valachova, M. A. Hassan, A. M. Omer, M. El-Shafeey, M. S. Mohy Eldin, L. Soltés (2018): Chitosan/hyaluronan/edaravone membranes for anti-inflammatory wound dressing <i>In vitro</i> and <i>in vivo</i> evaluation studies. <i>Materials Science and Engineering: C</i>. 90: 227-235</p> <p>F) K. Miteva, K. Pappritz, M. Sosnowski, M. El-Shafeey, I. Müller, F. Dong, K. Savvatis, J. Ringe, C. Tschöpe, S. Van Linthout* (2018): Mesenchymal stromal cells inhibit NLRP3 inflammasome activation in a model of Coxsackievirus B3-induced inflammatory cardiomyopathy. <i>Scientific Reports</i>. 8:2820</p> <p>G) I. Müller, K. Pappritz, K. Savvatis, K. Puhl, F. Dong, M. El-Shafeey, N. Hamdani, I. Hamann, M. Noutsias, C. Infante-Duarte, W. A.Linke, S. Van</p> |

- Linthout, C. Tschöpe* (2017): CX3CR1 knockout aggravates Coxsackievirus B3-induced myocarditis. *PlosOne*. 12(8): e0182643
- H) K. Miteva, K. Pappritz, **M. El-Shafeey**, J. Ringe, C. Tschöpe, S. Van Linthout* (2016): Mesenchymal stromal cells modulate monocytes trafficking in Coxsackievirus B3-induced myocarditis. *Stem cells Translational medicine*. 6(4):1249-1261
- I) T. M. Tamer*, M. A. Hassan*, A. M. Omer*, W. M. A. Baset, M. E. Hassan, **M. El-Shafeey**, M. S. Mohy Eldin (2016): Synthesis, characterization and antimicrobial evaluation of two aromatic chitosan Schiff base derivatives. *Process Biochemistry*. 51(10) 1721-1730
- J) **M. El-Shafeey**, T. H. Taha (2013): Protective effect of oregano water extract against carbon tetrachloride induced Hepatotoxicity in female rats. *Egypt. Acad. J. Biolog. Sci., C. Physiology & Molecular Biology*. 5(2): 67-76
- K) **El-Shafeey, M.***, El-Adawi, H., Al-Azhari, D., Abd El-Wahab, A., Abdel-Mohsen, M. (2012): Synergistic effect of milk thistle and grape seed extracts on the recovery of fumonisin B1 toxicity in rats. *Egypt. Acad. J. Biolog. Sci., C. Physiology & Molecular Biology*. 4(1): 63-85
- L) El-Adawi, H.*, El-Azhary, D., Abd El-Wahab, A., **El-Shafeey, M.**, Abdel-Mohsen, M. (2011): Protective effect of milk thistle and grape seed extracts on fumonisin B1 induced hepato- and nephro-toxicity in rats. *Journal of Medicinal Plants Research*. 5(27):6316-6327