28. Kalousova, M., J. Skrha, and T. Zima: Advanced glycation end-products and advanced oxidation protein products in patients with diabetes mellitus. Physiol Res 2002, 51(6): 597-604. https://doi.org/10.1159/000066956
29. Egert, S., S. Wolffram, A. Bosy-Westphal, C. Boesch-Saadatmandi, A.E. Wagner, J. Frank, G. Rimbach, and M.J. Mueller: Daily quercetin supplementation dose-dependently increases plasma quercetin concentrations in healthy humans. J Nutr 2008, 138(9): 1615-1621. https://doi.org/10.1093/jn/138.9.1615
30. Zahra Al Timimi, M. and M.Z.M. Jafri: Photodynamic therapy and green laser blood therapy. Glob J Med Res 2011, 11(5): 1-7.
31. Simões, A., W.L. Siqueira, M.L. Lamers, M.F. Santos, C. de Paula Eduardo, and J. Nicolau: Laser phototherapy effect on protein metabolism parameters of rat salivary glands. Lasers Med Sci 2009, 24(2): 202-208. https://doi.org/10.1007/s10103-008-0548-0
32. Da Silva, N.S. and J.W. Potrich: Effect of GaAlAs laser irradiation on enzyme activity. Photomed Laser Surg 2010, 28(3): 431-434. https://doi.org/10.1089/pho.2008.2410
33. Mirmiranpour, H., F.S. Nosrati, S.O. Sobhai, S.N. Takantape, and A. Amjadi: Effect of low-level laser irradiation on the function of glycated catalase. J Lasers Med Sci 2018, 9(3): 212. https://doi.org/ 10.15171/jlms.2018.38
34. Silva Macedo, R., M. Peres Leal, T.T. Braga, É.D. Barioni, S. de Oliveira Duro, A.C. Ratto Tempestini Horliana, N.O.S. Câmara, T. Marcourakis, S.H.P. Farsky, and A. Lino-dos-Santos-Franco: Photobiomodulation therapy decreases oxidative stress in the lung tissue after formaldehyde exposure: role of oxidant/antioxidant enzymes. Mediat Inflamm 2016, 2016: 1-10. https://doi.org/10.1155/2016/9303126
35. Silveira, P.C.L., L.A. Silva, T.P. Freitas, A. Latini, and R.A. Pinho: Effects of low-power laser irradiation (LPLI) at different wavelengths and doses on oxidative stress and fibrogenesis parameters in an animal model of wound healing. Lasers Med Sci 2011, 26(1): 125-131. https://doi.org/10.1007/s10103-010-0839-0
36. Huang, Y.Y., K. Nagata, C.E. Tedford, T. McCarthy, and M.R. Hamblin: Low-level laser therapy (LLLT) reduces oxidative stress in primary cortical neurons in vitro. J Biophotonics 2013, 6(10): 829-838. https://doi.org/10.1002/jbio.201200157
37. Amaroli, A., C. Pasquale, A. Zekiy, A. Utyuzh, S. Benedicenti, A. Signore, and S. Ravera: Photobiomodulation and Oxidative Stress: 980 nm Diode Laser Light Regulates Mitochondrial Activity and Reactive Oxygen Species Production. Oxid Med Cell Longev 2021, 2021: 1-11. https://doi.org/10.1155/2021/6626286
38. Rezaeinezhad, A., P. Eslami, H. Mirmiranpour, and H. Ghomi: The effect of cold atmospheric plasma on diabetes-induced enzyme glycation, oxidative stress, and inflammation; in vitro and in vivo. Sci Rep 2019, 9(1): 1-11. https://doi.org/10.1038/s41598-019-56459-y
39. Rezaeinezhad, A., P. Eslami, G. Afrasiabpour, H. Mirmiranpour, and H. Ghomi: Effect of pulsed electric field on diabetes-induced glycated enzyme, oxidative stress, and inflammatory markers in vitro and in vivo. J Phys D Appl Phys 2021, 55(1): 015401. https://doi.org/ 10.1088/1361-6463/ac2530
40. Mahmoud, M.F., N.A. Hassan, H.M. El Bassossy, and A. Fahmy: Quercetin protects against diabetes-induced exaggerated vasoconstriction in rats: effect on low grade inflammation. PLoS One 2013, 8(5): e63784. https://doi.org/10.1371/journal.pone.0063784
41. Chen, S., H. Jiang, X. Wu, and J. Fang: Therapeutic effects of quercetin on inflammation, obesity, and type 2 diabetes. Mediat Inflamm 2016, 2016: 1-6. https://doi.org/10.1155/2016/9340637
42. Aguirre, L., N. Arias, M. Teresa Macarulla, A. Gracia, and M. P Portillo: Beneficial effects of quercetin on obesity and diabetes. Open Nutraceuticals J 2011, 4(1): 189-198. https://doi.org/ 10.2174/1876396001104010189
43. Refat, M.S., R.Z. Hamza, A.M.A. Adam, H.A. Saad, A.A. Gobouri, F.S. Al-Harbi, F.A. Al-Salmi, T. Altalhi, and S.M. El-Megharbel: Quercetin/Zinc complex and stem cells: A new drug therapy to ameliorate glycometabolic control and pulmonary dysfunction in diabetes mellitus: Structural characterization and genetic studies. PLoS One 2021, 16(3): e0246265. https://doi.org/10.1371/journal.pone.0246265
44. Xu, D., M.-J. Hu, Y.-Q. Wang, and Y.-L. Cui: Antioxidant activities of quercetin and its complexes for medicinal application. Molecules 2019, 24(6): 1123. https://doi.org/10.3390/molecules24061123

45. Ahmed, O.M., T. Mohamed, H. Moustafa, H. Hamdy, R.R. Ahmed, and E. Aboud: Quercetin and low level laser therapy promote wound healing process in diabetic rats via structural reorganization and modulatory effects on inflammation and oxidative stress. Biomed Pharmacother 2018, 101: 58-73. https://doi.org/10.1016/j.biopha.2018.02.040

46. Bhuiyan, M.N.I., S. Mitsuhashi, K. Sigetomi, and M. Ubukata: Quercetin inhibits advanced glycation end product formation via chelating metal ions, trapping methylglyoxal, and trapping reactive oxygen species. Biosci Biotechnol Biochem 2017, 81(5): 882-890. https://doi.org/10.1080/09168451.2017.1282805

47. Li, S., H. Cao, D. Shen, Q. Jia, C. Chen, and S.L. Xing: Quercetin protects against ox-LDL-induced injury via regulation of ABCAl, LXR-α and PCSK9 in RAW264. 7 macrophages. Mol Med Rep 2018, 18(1): 799-806. https://doi.org/ 10.3892/mmr.2018.9048

48. Liang, Q., Y. Chen, C. Li, and L. Lu: Quercetin attenuates Ox-LDL-induced calcification in vascular smooth muscle cells by regulating ROS-TLR4 signaling pathway. South Med J 2018, 38(8): 980-985. https://doi.org/ 10.3969/j.issn.1673-4254.2018.08.13

49. Zhao, B., Q. Zhang, X. Liang, J. Xie, and Q. Sun: Quercetin reduces inflammation in a rat model of diabetic peripheral neuropathy by regulating the TLR4/MyD88/NF-κB signalling pathway. Eur J Pharmacol 2021, 912(174607. https://doi.org/10.1016/j.ejphar.2021.174607