

الابحاث المنشورة لبرنامج الكيمياء والكيمياء الحيوية

اولاً: الكيمياء الحيوية

أجمالي عدد الابحاث السنة	عدد الابحاث المنشورة دولياً							سنة النشر
	د/إكرام مصطفى	د/أمل خضر	ا.م.د/نبيل عبدالسلام	ا.م.د/ محمد عبدالجبار	ا.د/بسنت محمود	ا.د/ولاء حزين	ا.د/حنان سليمان	
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معدل المؤلفات والابحاث الدوليه والاقليميه المنشوره لاعضاء هيئه التدريس

عدد الأبحاث المنشوره من عام ٢٠١٨ الى ٢٠٢٢:

	Prof Dr. Hanan Soliman (24 Research paper)
٢٠٢٢	<ol style="list-style-type: none">1. Ismail, B. S., Mahmoud, B., Abdel-Reheim, E. S., Soliman, H. A., Ali, T. M., Elesawy, B. H., & Zaky, M. Y. (2022). Cinnamaldehyde mitigates atherosclerosis induced by high-fat diet via modulation of hyperlipidemia, oxidative stress, and inflammation. <i>Oxidative medicine and cellular longevity</i>, 2022.2. Osama, N., Bakeer, W., Raslan, M., Soliman, H. A., Abdelmohsen, U. R., & Sebak, M. (2022). Anti-cancer and antimicrobial potential of five soil Streptomyces: a metabolomics-based study. <i>Royal Society Open Science</i>, 9(2), 211509.3. Saad, H., Soliman, H. A., Mahmoud, B., Moneim, A. A., & Zaky, M. Y. (2022). The Pathogenic Role of Oxidative Stress, Cytokine Expression, and Impaired Hematological Indices in Diabetic Cardiovascular Diseases. <i>Inflammation</i>, 1-15.4. Kordy, M. G., Abdel-Gabbar, M., Soliman, H. A., Aljohani, G., BinSabt, M., Ahmed, I. A., & Shaban, M. (2022). Phyto-capped Ag nanoparticles: green synthesis, characterization, and catalytic and antioxidant activities. <i>Nanomaterials</i>, 12(3), 373.5. Mohamed, A. S., Ghannam, H. E., El-Lahamy, A. A., & Soliman, H. A. (2022). The protective role of vitamins (E+ C) on Nile tilapia (<i>Oreochromis niloticus</i>) exposed to ZnO NPs and Zn ions: Bioaccumulation and proximate chemical composition. <i>Annals of Animal Science</i>, 22(2), 633-642.6. Khaled, S. S., Soliman, H. A., Abdel-Gabbar, M., Ahmed, N. A., Attia, K. A. H. A., Mahran, H. A., ... & Ahmed, O. M. (2022). The Preventive Effects of Naringin and Naringenin against Paclitaxel-Induced Nephrotoxicity and Cardiotoxicity in Male Wistar Rats. <i>Evidence-Based Complementary and Alternative Medicine</i>, 2022.7. Kordy, M. G., Ahmed, I. A., Abdel-Gabbar, M., Soliman, H. A., Altowyan, A. S., & Shaban, M. (2022). Layer-By-Layer Extracellular Biological Synthesis of Sustainable Ag-Based Nanoparticles for Catalytic Reduction of Methylene Blue Dye. <i>Crystals</i>, 12(11), 1576.8. Alfryyan, N., Kordy, M. G., Abdel-Gabbar, M., Soliman, H. A., & Shaban, M. (2022). Characterization of the biosynthesized intracellular and extracellular plasmonic silver nanoparticles using <i>Bacillus cereus</i> and their catalytic reduction of methylene blue. <i>Scientific Reports</i>, 12(1), 1-14.9. Amin, A. A., Soliman, H. A., & Hashem, K. S. (2022). Moringa oleifera seeds extract improves the quality of treated wastewater of Byad-Elarab plant, Beni-Suef, Egypt. <i>Egyptian Journal of Chemistry</i>, 65(13).
٢٠٢١	<ol style="list-style-type: none">10. Mohamed, A. S., Soliman, H. A., & Ghannam, H. E. (2021). Ameliorative effect of vitamins (E and C) on biochemical alterations induced by sublethal concentrations of zinc oxide bulk and nanoparticles in <i>Oreochromis niloticus</i>. <i>Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology</i>, 242, 108952.

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٢٠٢٠	<p>14. Mahmoud, A. M., Desouky, E. M., Hozayen, W. G., Bin-Jumah, M., El-Nahass, E. S., Soliman, H. A., & Farghali, A. A. (2019). Mesoporous silica nanoparticles trigger liver and kidney injury and fibrosis via altering TLR4/NF-κB, JAK2/STAT3 and Nrf2/HO-1 signaling in rats. <i>Biomolecules</i>, 9(10), 528.</p> <p>15. Hozayen, W. G., Mahmoud, A. M., Desouky, E. M., El-Nahass, E. S., Soliman, H. A., & Farghali, A. A. (2019). Cardiac and pulmonary toxicity of mesoporous silica nanoparticles is associated with excessive ROS production and redox imbalance in Wistar rats. <i>Biomedicine & Pharmacotherapy</i>, 109, 2527-2538.</p>
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٢٠١٧	<p>16. Abdel-Reheim, E. S., Mahmoud, B. M., Soliman, H. A., & Ismail, B. S. (2017). Treatment of rotenone induced neurodegeneration by taurine and hesperidin. <i>Int. J. Bioassays</i>, 8, 5452-5458.</p> <p>17. Ahmed, O. M., Soliman, H. A., Mahmoud, B., & Gheryany, R. R. (2017). <i>Ulva lactuca</i> hydroethanolic extract suppresses experimental arthritis via its anti-inflammatory and antioxidant activities. <i>Beni-Suef university journal of basic and applied sciences</i>, 6(4), 394-408.</p>
٢٠١٦	<p>18. Hozayen, W. G., El-Desouky, M. A., Soliman, H. A., Ahmed, R. R., & Khaliefa, A. K. (2016). Antiosteoporotic effect of <i>Petroselinum crispum</i>, <i>Ocimum basilicum</i> and <i>Cichorium intybus</i> L. in glucocorticoid-induced osteoporosis in rats. <i>BMC complementary and alternative medicine</i>, 16(1), 1-11.</p> <p>19. Soliman, H. A., El-Desouky, M. A., Hozayen, W. G., Ahmed, R. R., & Khaliefa, A. K. (2016). Hepatoprotective effects of parsley, basil, and chicory aqueous extracts against dexamethasone-induced in experimental rats. <i>Journal of intercultural ethnopharmacology</i>, 5(1), 65.</p> <p>20. Abd EL-Reheem, E. S., Mahmoud, A. M., Abd El-Hameed, A. M., & Soliman, H. A. (2016). Effect of cinnamaldehyde on the toxicity of cyclophosphamide in the testes of rats: influence of pre-and post-treatment schedule. <i>Nat Sci</i>, 14, 44-51.</p> <p>21. Hozayen, W. G., Mahmoud, A. M., Soliman, H. A., & Mostafa, S. R. (2016). <i>Spirulina versicolor</i> improves insulin sensitivity and attenuates hyperglycemia-mediated oxidative stress in fructose-fed rats. <i>Journal of Intercultural Ethnopharmacology</i>, 5(1), 57.</p>

Prof Dr. Walaa Hozayen (42 Research paper)

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<p>٢٠٢٢</p>	<ol style="list-style-type: none"> 1. Shaaban, H. H., Hozayen, W. G., Khaliefa, A. K., El-Kenawy, A. E., Ali, T. M., & Ahmed, O. M. (2022). Diosmin and Trolox Have Anti-Arthritic, Anti-Inflammatory and Antioxidant Potencies in Complete Freund's Adjuvant-Induced Arthritic Male Wistar Rats: Roles of NF-κB, iNOS, Nrf2 and MMPs. <i>Antioxidants</i>, 11(9), 1721. 2. Mehanni, M. M., Sayed, O. M., El-Gendy, A. O., Hozayen, W. G., & Mohamed, S. I. (2022). Isolation, characterization, and antibiotic sensitivity pattern of Gram-negative bacteria causing chronic bacterial prostatitis. 3. Bakeer, W., Amer, M., Hozayen, W. G., Kotb, N. S., & Hassan, M. H. (2022). Isolation of asparaginase-producing microorganisms and evaluation of the enzymatic antitumor activity. <i>Egyptian Pharmaceutical Journal</i>, 21(3), 282. 4. Ali, O. S., Hozayen, W. G., Almutairi, A. S., Edris, S., Karkashan, A., Abulfaraj, A. A., ... & Mahmoud, H. M. (2022). The Assessment of the Risk Ranking and Mobility Potential Associated with Environmental Resistomes in Wastewater Using Metagenomic Assembly. <i>Sustainability</i>, 14(21), 14292. 5. Kamel, A. K. A., Hozayen, W., El-kawi, S. H. A., & Hashem, K. S. (2022). Galaxaura elongata Extract (GE) Modulates Vanadyl Sulfate-Induced Renal Damage via Regulating TGF-β/Smads and Nrf2/NF-κB Pathways. <i>Biological Trace Element Research</i>, 200(7), 3187-3204. 6. Abdel-Samed, S. A., Hozyen, W. G., Shaaban, S. M., & Hasona, N. A. (2022). Biochemical Significance of miR-155 and miR-375 as Diagnostic Biomarkers and Their Correlation with the NF-κB/TNF-α Axis in Breast Cancer. <i>Indian Journal of Clinical Biochemistry</i>, 1-7.
<p>٢٠٢١</p>	<ol style="list-style-type: none"> 7. Hassan, R. A., Hozayen, W. G., Abo Sree, H. T., Al-Muzafar, H. M., Amin, K. A., & Ahmed, O. M. (2021). Naringin and hesperidin counteract diclofenac-induced hepatotoxicity in male wistar rats via their antioxidant, anti-inflammatory, and antiapoptotic activities. <i>Oxidative Medicine and Cellular Longevity</i>, 2021. 8. Ali, O. S., Hozayen, W. G., Almutairi, A. S., Edris, S. A., Abulfaraj, A. A., Ouf, A. A., & Mahmoud, H. M. (2021). Metagenomic Analysis Reveals the Fate of Antibiotic Resistance Genes in a Full-Scale Wastewater Treatment Plant in Egypt. <i>Sustainability</i>, 13(20), 11131.
<p>٢٠٢٠</p>	<ol style="list-style-type: none"> 9. Aly, R. H., Ahmed, A. E., Hozayen, W. G., Rabea, A. M., Ali, T. M., El Askary, A., & Ahmed, O. M. (2020). Patterns of toll-like receptor expressions and inflammatory cytokine levels and their implications in the progress of insulin resistance and diabetic nephropathy in type 2 diabetic patients. <i>Frontiers in Physiology</i>, 11, 609223. 10. Mahmoud, A. M., Hussein, O. E., Hozayen, W. G., Bin-Jumah, M., El-Twab, A., & Sanaa, M. (2020). Ferulic acid prevents oxidative stress, inflammation, and liver injury via upregulation of Nrf2/HO-1 signaling in methotrexate-induced rats. <i>Environmental Science and Pollution Research</i>, 27(8), 7910-7921.

	<p>11. El-Hefny, I. M., Al Senosy, N. K., Hozayen, W. G., Ahmed, A. E., Diab, A., & Basal, W. T. (2020). Evaluation of the Cytotoxicity and Apoptotic Induction in Human Liver Cell Lines Exposed to Three Food Additives. <i>Recent Patents on Food, Nutrition & Agriculture</i>, 11(3), 193-201.</p> <p>12. Eid, D., Sayed, O. M., Hozayen, W. G., & Azmy, A. F. (2020). Battling biofilm forming nosocomial pathogens using chitosan and pluronic F127. <i>J. Pure Appl. Microbiol</i>, 14, 1893-1903.</p> <p>13. Abdel Ghany, S. M., Ali, E., Ahmed, A., Hozayen, W. G., Mohamed-Hussein, A. A., Elnaggar, M. S., & Hetta, H. F. (2020). Circulating mirna-30a and mirna-221 AS novel biomarkers for the early detection of non-small-cell lung cancer. <i>Middle East Journal of Cancer</i>, 11(1), 50-58.</p> <p>14. Abdel Ghany, S. M., Ali, E., Ahmed, A., Hozayen, W. G., Mohamed-Hussein, A. A., Elnaggar, M. S., & Hetta, H. F. (2020). Circulating mirna-30a and mirna-221 AS novel biomarkers for the early detection of non-small-cell lung cancer. <i>Middle East Journal of Cancer</i>, 11(1), 50-58.</p> <p>15. Hussein, O. E., Hozayen, W. G., Bin-Jumah, M. N., Germoush, M. O., El-Twab, A., Sanaa, M., & Mahmoud, A. M. (2020). Chicoric acid prevents methotrexate hepatotoxicity via attenuation of oxidative stress and inflammation and up-regulation of PPARγ and Nrf2/HO-1 signaling. <i>Environmental Science and Pollution Research</i>, 27(17), 20725-20735.</p>
2019	<p>16. Mahmoud, A. M., Desouky, E. M., Hozayen, W. G., Bin-Jumah, M., El-Nahass, E. S., Soliman, H. A., & Farghali, A. A. (2019). Mesoporous silica nanoparticles trigger liver and kidney injury and fibrosis via altering TLR4/NF-κB, JAK2/STAT3 and Nrf2/HO-1 signaling in rats. <i>Biomolecules</i>, 9(10), 528.</p> <p>17. Abou-Seif, H. S., Hozayen, W. G., & Hashem, K. S. (2019). Thymus vulgaris extract modulates dexamethasone induced liver injury and restores the hepatic antioxidant redox system. <i>Beni-Suef University Journal of Basic and Applied Sciences</i>, 8(1), 1-9.</p> <p>18. Taha, H. A., Hozayen, W. G., Okasha, A. M., Ahmed, A. E., Shata, M. A. A., Abdel-Naem, E. A., & Maher, S. E. (2019). Investigating the balance between Th17/Treg cells in rheumatoid arthritis and its association with disease activity. <i>Journal of Child Science</i>, 9(01), e75-e83.</p> <p>19. Hozayen, W. G., Mahmoud, A. M., Desouky, E. M., El-Nahass, E. S., Soliman, H. A., & Farghali, A. A. (2019). Cardiac and pulmonary toxicity of mesoporous silica nanoparticles is associated with excessive ROS production and redox imbalance in Wistar rats. <i>Biomedicine & Pharmacotherapy</i>, 109, 2527-2538.</p> <p>20. Abd El-Twab, S. M., Hussein, O. E., Hozayen, W. G., Bin-Jumah, M., & Mahmoud, A. M. (2019). Chicoric acid prevents methotrexate-induced kidney injury by suppressing NF-κB/NLRP3 inflammasome activation and up-regulating Nrf2/ARE/HO-1 signaling. <i>Inflammation Research</i>, 68(6), 511-523.</p> <p>21. Mahmoud, A. M., Hozayen, W. G., Hasan, I. H., Shaban, E., & Bin-Jumah, M. (2019). Umbelliferone ameliorates CCl4-induced liver fibrosis in rats by upregulating PPARγ and attenuating oxidative stress, inflammation, and TGF-β1/Smad3 signaling. <i>Inflammation</i>, 42(3), 1103-1116.</p> <p>22. Mahmoud, A. M., Hussein, O. E., Abd El-Twab, S. M., & Hozayen, W. G. (2019). Ferulic acid protects against methotrexate nephrotoxicity via activation of Nrf2/ARE/HO-1 signaling and PPARγ, and suppression of NF-κB/NLRP3 inflammasome axis. <i>Food & Function</i>, 10(8), 4593-4607.</p> <p>23. Kamel, N. N., Rizk, M. Z., Hozayen, W. G., & Abdel-Hamid, A. H. Z. (2019). ZnO nanoparticles: Crosslink between cytotoxicity on liver cell lines and In Vivo biosafety on different mice organs. <i>Journal of Applied Pharmaceutical Science</i>, 9(1), 058-066.</p>

	<p>24. Mitwally, M. F., Hozayen, W. G., Hassanin, K. M., Abdalla, K. A., & Abdalla, N. K. (2019). The aromatase inhibitor, letrozole: a novel treatment for ectopic pregnancy. <i>Fertility and Sterility</i>, 112(3), e81.</p> <p>25. El-Twab, A., Sanaa, M., Hussein, O. E., Hozayen, W. G., Bin-Jumah, M., & Mahmoud, A. M. (2019). Chicoric acid prevents methotrexate-induced kidney injury by suppressing NF-κB/NLRP3 inflammasome activation and up-regulating Nrf2/ARE/HO-1 signaling. <i>Inflammation Research</i>, 68(6), 511-523.</p>
٢٠١٨	<p>26. Amin, K. A., Ahmed, R. R., Hozayen, W. G., Mahmoud, S. S., Alshehri, F. S., & Al-Muzafar, H. M. (2018). Renoprotective effect of grape seed extract in diabetic nephropathy by attenuating hyperglycemia-facilitated oxidative stress. <i>Int J Clin Exp Med</i>, 11(11), 12285-12293.</p> <p>27. Tamsaah, H. R., Azmy, A. F., Raslan, M., Ahmed, A. E., & Hozayen, W. G. (2018). Isolation and characterization of thermophilic enzymes producing microorganisms for potential therapeutic and industrial use. <i>J Pure Appl Microbiol</i>, 12(4), 1687-1702.</p> <p>28.</p>
٢٠١٧	<p>29. Mahmoud, A. M., Hussein, O. E., Hozayen, W. G., & Abd el-Twab, S. M. (2017). Methotrexate hepatotoxicity is associated with oxidative stress, and down-regulation of PPARγ and Nrf2: Protective effect of 18β-Glycyrrhetic acid. <i>Chemico-biological interactions</i>, 270, 59-72.</p> <p>30. Mahmoud, A. M., Fadel, A., Ramadan, S. M., & Hozayen, W. G. (2017). Berberine mitigates methotrexate-induced oxidative stress and inflammation in the cerebrum of rats. <i>Journal of Applied Pharmaceutical Science</i>, 7(11), 43-49.</p> <p>31. Amin, K. A., Ahmed, R. R., Hozayen, W. G., & Antar, A. (2017). Renoprotective and antioxidant effects of silymarin and propolis on diclofenac sodium-induced renal toxicity in rats. <i>International Journal for Pure and Applied Bioscience</i>, 5(2), 31-42.</p> <p>32. Mahmoud, A. M., Hozayen, W. G., & Ramadan, S. M. (2017). Berberine ameliorates methotrexate-induced liver injury by activating Nrf2/HO-1 pathway and PPARγ, and suppressing oxidative stress and apoptosis in rats. <i>Biomedicine & Pharmacotherapy</i>, 94, 280-291.</p>
٢٠١٦	<p>33. Hasan, I. H., El-desouky, M. A., Abd-elaziz, G. M., & Hozayen, W. G. (2016). Protective effects of Zingiber officinale against carbon tetrachloride induced liver fibrosis. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i>, 8, 77-381.</p> <p>34. Hozayen, W. G., El-Desouky, M. A., Soliman, H. A., Ahmed, R. R., & Khaliefa, A. K. (2016). Antiosteoporotic effect of Petroselinum crispum, Ocimum basilicum and Cichorium intybus L. in glucocorticoid-induced osteoporosis in rats. <i>BMC complementary and alternative medicine</i>, 16(1), 1-11.</p> <p>35. Hasan, I. H., El-Desouky, M. A., & Hozayen, W. G. (2016). Protective effect of Zingiber officinale against CCl4-induced liver fibrosis is mediated through downregulating the TGF-β1/Smad3 and NF-κB/IκB pathways. <i>Pharmacology</i>, 97(1-2), 1-9.</p> <p>36. Abd El-Twab, S. M., Hozayen, W. G., Hussein, O. E., & Mahmoud, A. M. (2016). 18 β-Glycyrrhetic acid protects against methotrexate-induced kidney injury by up-regulating the Nrf2/ARE/HO-1 pathway and endogenous antioxidants. <i>Renal Failure</i>, 38(9), 1516-1527.</p> <p>37. Soliman, H. A., El-Desouky, M. A., Hozayen, W. G., Ahmed, R. R., & Khaliefa, A. K. (2016). Hepatoprotective effects of parsley, basil, and chicory aqueous extracts against dexamethasone-induced in experimental rats. <i>Journal of intercultural ethnopharmacology</i>, 5(1), 65.</p>

38. Hozayen, W. G., Mahmoud, A. M., Soliman, H. A., & Mostafa, S. R. (2016). Spirulina versicolor improves insulin sensitivity and attenuates hyperglycemia-mediated oxidative stress in fructose-fed rats. *Journal of Intercultural Ethnopharmacology*, 5(1), 57.
39. SM, A. E. T., Hozayen, W. G., Hussein, O. E., & Mahmoud, A. M. (2016). 18 β -Glycyrrhetic acid protects against methotrexate-induced kidney injury by up-regulating the Nrf2/ARE/HO-1 pathway and endogenous antioxidants. *Renal Failure*, 38(9), 1516-1527.
40. Zahran, F., Nabil, A., El Karef, A., Lotfy, A., Mahmoud, K., Hozayen, W. G., & Sobh, M. (2016). Effect of antioxidants and mesenchymal stem cells on cisplatin induced renal fibrosis in rats. *Journal of Stem Cell Research & Therapeutics*, 1(4), 1.
41. Abou Seif, H. S. (2016). Physiological changes due to hepatotoxicity and the protective role of some medicinal plants. *Beni-suef University journal of basic and applied sciences*, 5(2), 134-146.

Prof Dr. Basant Mahmoud (18 Research paper)

٢٠٢٢	<ol style="list-style-type: none"> 1. Esam, D., Abdel-Moneim, A., Mahmoud, B., & Abdel-Gabbar, M. (2022). Role of nuclear factor kappa B, interleukin-19, interleukin-34, and interleukin-37 expression in diabetic nephropathy. <i>Beni-Suef University Journal of Basic and Applied Sciences</i>, 11(1), 1-10. 2. Ismail, B. S., Mahmoud, B., Abdel-Reheim, E. S., Soliman, H. A., Ali, T. M., Elesawy, B. H., & Zaky, M. Y. (2022). Cinnamaldehyde mitigates atherosclerosis induced by high-fat diet via modulation of hyperlipidemia, oxidative stress, and inflammation. <i>Oxidative medicine and cellular longevity</i>, 2022. 3. Saad, H., Soliman, H. A., Mahmoud, B., Moneim, A. A., & Zaky, M. Y. (2022). The Pathogenic Role of Oxidative Stress, Cytokine Expression, and Impaired Hematological Indices in Diabetic Cardiovascular Diseases. <i>Inflammation</i>, 1-15. 4. Mahmoud, B., Abdel-Moneim, A., Negeem, Z., & Nabil, A. (2022). The relationship between B-cell lymphoma 2, interleukin-1β, interleukin-17, and interleukin-33 and the development of diabetic nephropathy. <i>Molecular Biology Reports</i>, 1-7. 5. Mahmoud, B., Moneim, A. A., & Mabrouk, D. (2022). The impact of HCV eradication on hyperglycemia, insulin resistance, cytokine production, and insulin receptor substrate-1 and 2 expression in patients with HCV infection. <i>Clinical and Experimental Medicine</i>, 22(4), 583-593. 6. Abdel-Moneim, A., Mahmoud, R., Allam, G., & Mahmoud, B. (2022). Relationship between Cytokines and Metabolic Syndrome Components: Role of Pancreatic-Derived Factor, Interleukin-37, and Tumor Necrosis Factor-α in Metabolic Syndrome Patients. <i>Indian Journal of Clinical Biochemistry</i>, 1-10.
٢٠٢١	<ol style="list-style-type: none"> 7. Nabil, A., Mahmoud, B., Abdel-Moneim, A., & Negeem, Z. (2021). The Relationship between IL-1β, IL-17, IL-33 and Bcl-2 and the Development of Diabetic Nephropathy. 8. Mahmoud, B. M., Ebrahim, S. O., & Kandeil, M. A. (2021). Anti-inflammatory effects of evening primrose and extra virgin olive oil on arthritic rats. <i>Adv. Anim. Vet. Sci</i>, 9(10), 1684-1691.
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Ass. Prof Dr. Nabil A Hasona (20 Research paper)

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	<p align="center">Ass. Prof Dr. Nabil A Hasona (20 Research paper)</p> <p align="center"><u>NA Hasona</u></p>
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