

CURRICULUM VITAE

PERSONAL DATA

Name	Walid Mohamed Rashad Mohamed Daoush
Nationality	Egyptian
Position	Professor
E-Mail	wmdaoush@imamu.edu.sa
Phone	966566724635

EDUCATION

Year	Academic Degree	Institution
2014-2015	Post Doctoral	San Diego State University (SDSU), California; USA
2011-2012	Post Doctoral	National Taiwan University of Science and Technology, Taiwan(NTUST), Taipei, Taiwan
2007-2009	Post Doctoral	Korea Advanced Institute of Science and Technology, Daejeon, South Korea
2002-2004	Ph.D	College of Science; Ain Shams University, Cairo; Egypt
1995-2001	M.Sc.	College of Science; Menofia University, Egypt
1991-1994	B.Sc.	College of Science; Menofia University, Egypt

WORK EXPERIENCE

Period	Position	Address
2016- present	Adjacent Full Professor	College of Science Imam Mohammad ibn Saud Islamic University
2015-present	Full Professor	Helwan University, Cairo; Egypt
2010-2015	Associate Professor	Helwan University, Cairo; Egypt
2009-2010	Associate Professor	Central Metallurgical R&D Institute, Cairo; Egypt
2005-2009	Researcher	Central Metallurgical R&D Institute, Cairo; Egypt
2001-2005	Assiatant Lecaturer	Central Metallurgical R&D Institute, Cairo; Egypt
1996-2001	Research Assistant	Central Metallurgical R&D Institute, Cairo; Egypt

RESEARCH INTERESTS

- Materials processing
- Physical metallurgy, powder metallurgy, sintering
- Metal powder fabrications and consolidations,
- Porous and metallic foams for Biomaterials application
- Carbon nanotubes composites
- Composites (metal, ceramic, polymer matrix and lamellar composites).
- Microstructure investigations, physical, magnetic and mechanical properties of materials.
- Physical, chemical, electrochemical and biogenic synthesis of nanomaterials,
- Physical properties of nanoparticles
- Biomedical, Antimicrobial, cytotoxicity and Anticancer activities of nanoparticles

PUBLICATIONS

❖ **PATENTS**

- ❖ **1- Licensed:** *Method for manufacturing high hardness coating powder with good high temperature stability and improved surface characteristics and strength:* KR 1492969 (priority date: Feb. 16, 2015) inventors PARK HEE SUP, RYU MIN HO, DAOUSH WALID M., HONG SUN HYEONG. **Patent Assignee Name:** ILJIN DIAMOND CO LTD.
- ❖ **2- Licensed:** *High Hardness Coating Powder, And Preparation Method Thereof:* WO2010056077 (priority date: Nov. 14, 2008), inventors PARK HEE SUP, RYOO MINI HO, DAOUSH WALID M. and HONG SOON HYUN. **Patent Assignee Name:** ILJIN DIAMOND CO LTD. <https://patents.google.com/patent/WO2010056077A2/en>

❖ **HANDBOOKS**

- 1- **“Fabrication of Carbon and Related Materials/Metal Hybrids and Composites”** Edited by **Walid M. Daoush**, Fawad Inam, Mostafa Ghasemi Baboli and Maha M. Khayyat, preprint of Special Issue published in Crystals by MDPI (2022). <https://doi.org/10.3390/books978-3-0365-4433-5>
- 2- **“Nickel Coated Powder Approach for Advanced Materials”** Edited by **Walid M. Daoush**, Sayed F. Moustafa and Sayed T. Abd El-Rheem, published by Lambert Academic Publisher (2016). <https://www.lap-publishing.com/catalog/details//store/gb/book/978-3-659-90142-3/nickel-coated-powder-approach-for-advanced-materials>.
- 3- Chapter on **“Improvement of the Reinforcements Distribution in the Composite Matrices Using Powder Coating Process”** in **Handbook of High Performance Coatings for Automotive and Aerospace Industries**, edited by Abdel Salam Hamdy Makhlouf, published by Nova Science Publisher (2010), authors: **Walid M. Daoush**, Byung K. Lim, Hee S. Park, Sayed F. Moustafa, and Soon H. Hong, pp.301-324. https://www.novapublishers.com/catalog/product_info.php?products_id=11740.

❖ **REFEREED JOURNAL PUBLICATIONS** (*student's names underlined*)

71- M. Abdel Rafea, A. Eid, **Walid M. Daoush** “Synthesis and characterization of carbon nanotube/copper oxide nanocomposite as an enhanced absorber for solar radiation, Optical Materials, Volume 138, 113643 (2023).

70- Hossam M. Yehia, Peter Nyanor, **Walid M. Daoush** “Characterization of Al-5Ni-0.5Mg/x (Al₂O₃-GNs) nanocomposites manufactured via hot pressing technique” Materials Characterization, Vol 191 Article no. 112139 (2022).

- 69- El-Kady, O.A.; Yehia, H.M.; **Nouh, F.; Ghayad**, I.M.; El-Bitar, T.; Daoush, W.M. Enhancement of Physical Properties and Corrosion Resistance of Al-Cu-Al₂O₃/Graphene Nanocomposites by Powder Metallurgy Technique. *Materials*, 15, 7116(2022).
- 68- Taghreed N. Almanaa, Mohamed Aref, Mian Adnan Kakakhel, Gehad E. Elshopakey, Heba H. Mahboub, Aaser Mohamed Abdelazim, Samar Kamel, Tareg M. Belali, Mosleh M. Abomughaid, Muhanad Alhujaily, Esraa M. Fahmy, Mohamed Ezzat Assayed, Gomaa Mostafa-Hedeab, **Walid M. Daoush** "Silica Nanoparticle Acute Toxicity on Male Rattus norvegicus Domestica: Ethological Behavior, Hematological Disorders, Biochemical Analyses, Hepato-Renal Function, and Antioxidant-Immune Respons" *Frontiers in Bioengineering and Biotechnology*, Vol. 10, Article no. 868111(2022).
- 67- Afaf N. Abdel Rahman, Medhat S. Shakweer, Samah Attia Algharib, Asmaa I. Abdelaty, Samar Kamel, Tamer Ahmed Ismail, **Walid M. Daoush**, Sameh H. Ismail, Heba H. Mahboub" Silica nanoparticles acute toxicity alters ethology, neuro-stress indices, and physiological status of African catfish (*Clarias gariepinus*)" *Aquaculture Reports*, Vol. 23, Article no. 101034 (2022).
- 66- Modwi, A., **Daoush, W.M.**, El-Eteaby, M. et al. Fabrication and adsorption studies of paste/TiO₂ nanocomposites through recycling of spent dry batteries. *J Mater Sci: Mater Electron*, (2022) 33, pages 24869–24883.
- 65- Jamali, Abdul Rauf, Jahanzeb Bhatti, Waseem Khan, Faheem Akther, Madiha Batool, Razia Batool, and **Walid M. Daoush**. 2022. "Synthesis and Characterization of Silver Nanoparticle-Polydimethylsiloxane (Ag-NP-PDMS) Stretchable Conductive Nanocomposites" *Crystals* 12, no. 8.
- 64- Sameh H. Ismail, Ahmed Hamdy, Tamer Ahmed Ismail, Heba H. Mahboub, Walaa H. Mahmoud, **Walid M. Daoush** "Synthesis and Characterization of Antibacterial Carbopol/ZnO Hybrid Nanoparticles Gel" *Crystals*, Vol. 11, Article no. 1092 (2021).
- 63- **Walid M. Daoush**, Turki Saad Alkhuraiji, Abdulrahman Dohymish Alshammri "Fabrication of Polycrystalline Cubic Boron Nitride/Metal Composite Particles by Surface Metallization Followed by Electroless Deposition Technique", *Materials*, Vol. 14 Article no. 7906 (2021).
- 62- Heba H. Mahboub, Rasha R. Beheiry, Sara E Shahin, Amany Behairy, Mariam H. E. Khedr, Seham.M. Ibrahim, Gehad E. Elshopakey, **Walid M. Daoush**, Dalia E. Altohamy, Tamer Ahmed Ismail, Walaa El-Houseiny" Adsorptivity of mercury on magnetite nanoparticles and their influences on growth, economical, hemato-biochemical, histological parameters and bioaccumulation in Nile tilapia (*Oreochromis niloticus*)", *Aquatic Toxicology*, Vol. 235 Article no. 105828 (2021).
- 61- Madiha Batool, Shazia Khurshid, **Walid M. Daoush**, Sabir Ali Siddique, Tariq Nadeem "Green Synthesis and Biomedical Applications of ZnO Nanoparticles: Role of PEGylated-ZnO Nanoparticles as Doxorubicin Drug Carrier against MDA-MB-231(TNBC) Cells Line", *Crystals*, Vol. 11 Article no. 344 (2021).
- 60- Mohammed Al-zharani, Ashraf Ahmed Qurtam, **Walid Mohamed Daoush**, Mohamed Hassan Eisa, Nada Hamad Aljarba, Saad Alkahtani, Fahd A. Nasr "Anti-Tumor Effect of Copper Nano-particles on Human Breast and Colon Malignancies", *Journal of Environmental Science and Pollution Research*, Vol. 28(2), 1587–1595 (2021).

- 59- Batool, M., Khurshid, S., Qureshi, Z., **Daoush, W.M.** "Adsorption, antimicrobial and wound healing activities of biosynthesised zinc oxide nanoparticles", *Chemical Papers*, Vol. 75(3) 2021, 893–907 (2021).
- 58- **Walid M. Daoush**, Turki S. Albogmy, Moath A. Khamis, Fawad Inam "Syntheses and Step-by-Step Morphological Analysis of Nano-Copper-Decorated Carbon Long Fibers for Aerospace Structural Applications", *Crystals* 10, Vol.10 (12) Article no. 1090 (2020).
- 57-Elsayed, A.H., Sayed, M.A., Dawood, O.M., **Daoush, W.M.** "Effect of transition metals oxides on the physical and mechanical properties of sintered tungsten heavy alloys", *Crystals*, Vol. 10(9),1-14, Article no. 825 (2020).
- 56- **Walid M. Daoush**, Turki S. Alkhuraiji, Moath A. Khamis, Turki S. Albogmy "Microstructure and Electrical Properties of Carbon Short Fibers reinforced Copper Composites Fabricated by Electroless Deposition Followed by Powder Metallurgy Process", *Carbon Letters*, Vol. 30, 247–258 (2020).
- 55- Madiha Batool, Shazia Khurshid, Zahid Muhammad Qureshi, **Walid Mohamed Daoush**, Farwa Hashmi, Nida Mehboob "Effective adsorptive removal of azodyes on synthesized copper oxide nanoparticles", *Biointerface Research in Applied Chemistry*, Vol. 10 (3), 5369 – 5375 (2020).
- 54- D. Key, **Walid M. Daoush**, K. Morsi "Processing of Micro-Scale Aluminum Foamed Particles" *Materials Performance and Characterization*, Vol. 9 (4) (2020).
- 53- Hossam. M. Yehia, **Walid M. Daoush**, Fatma Abdel Mouez, Mohamed H. El-Sayed, Ahmed E. El-Nikhaily "Microstructure, Hardness, Wear and Magnetic Properties of (Ta, Nb) C/Ni Sintered Composites Fabricated from Blended and Coated Particles" *Materials Performance and Characterization*, Vol. 9 (4) (2020).
- 52-Toulba, Eman, Chowdhury, Mahmudun N., Ali, Ahmed I., Qassem, Ebrahim S.; **Daoush, Walid M.** "Microstructure and Properties of Nickel/Detonated Nano-Diamond Composites Fabricated by Powder Metallurgy" *Materials Performance and Characterization*, Vol. 9 (4), (2020).
- 51- Hanan M. Makled, Mahmudun N. Chowdhury, Ahmed I. Ali, Ibrahim S. Qassem, **Walid M. Daoush** "Investigation of the effect of SiC content on the microstructure, physical properties and hardness of SiC/Ni composites" *Functional Materials*, Vol. 26(1) 92-99(2019).
- 50- Madiha Batool, Zahid Qureshi, Farwa Hashmi, Nida Mehboob, **Walid M. Daoush** "Adsorption of Congo Red (Acid Red 28) Azodye on Biosynthesized Copper Oxide Nanoparticles" *Asian Journal of Chemistry*, Vol. 31(3) 707-713 (2019).
- 49- Fawzi H. Assaf, Mortaga M. Abou-Krishna, **Walid M. Daoush**, Ahmed A. Eissa, "Fabrication of Zn-Ni-Mn alloy by electrodeposition and its characterization" *Corrosion Review*, Vol. 36(6) 547–558 (2018).
- 48- Madiha Batool, **Walid M. Daoush**, Farwa Hashmi, Nida Mehboob, Zahid Qureshi "Kinetic Isotherm Studies of Azo Dyes by Metallic Oxide Nanoparticles Adsorbent" *Archives of Organic and Inorganic Chemical Sciences*, Vol. 3(5) 426-435 (2018).

- 47- Madiha Batool, Farwa Hashmi, Nida Mehboob, Zahid Qureshi, **Walid M. Daoush** "Studies on Adsorption of Congo red (Acid Red 28) Azodye by Nano Copper oxide" *Advances in Nanoscience and Nanotechnology*, Vol 2 (1) 1-7 (2018).
- 46- Amal. A. Abd-Elghany, **Walid M. Daoush**, Omayma A. El-Kady, Mohamed A. Ghanem & Ahmed E. El-Nikhaily, "Fabrication, Microstructure, Hardness and Magnetic Properties of (W:Ti)C-Ni Cemented Carbides using Atomized Ni Powder" *Global Journal of Researches in Engineering: G Industrial Engineering*, Vol. 18 (1), 1-8 (2018).
- 45- Ahmed El-Tantawy, **Walid M. Daoush** & Ahmed E. El-Nikhaily, "Microstructure and properties of BN/Ni-Cu composites fabricated by powder technology" *Journal of Experimental Nanoscience*, Vol. 13 (1), 174-187 (2018).
- 44- Mohamed A. Sayed, Osama M. Dawood, Ayman H. EL Sayed, **Walid M. Daoush**, "Application of Taguchi Method in Optimization of Process Parameters of ODS WHAs" *Advances in Materials Research*, Vol. 6(1) 79-91(2017).
- 43- **Walid M. Daoush**, "Co-Precipitation and Magnetic Properties of Magnetite Nanoparticles for Potential Biomedical Applications", *Journal of Nanomedicine Research*, Vol. 5(3) 118-123 (2017).
42. **Walid M. Daoush**, J. Yao, M. Shamma, K. Morsi "Ultra-rapid Processing of High-hardness Tungsten-Copper Nanocomposites", *Scripta Materialia*, Vol. 113, 246-249 (2016).
41. **Walid M. Daoush**, Ayman Elsayed, Omayma El Kady, Mohamed Sayed, Osama M. Dawood "Enhancement of Physical and Mechanical Properties of Oxide Dispersion Strengthened Tungsten Heavy Alloys", *Metallurgical and Materials Transactions A*, Vol.47, Issue 5, 2387-2395 (2016).
40. **Walid Daoush**, Ahmed Swidan, Gamal Abd El-Aziz, Mohamed Abdelhalim "Fabrication, Microstructure, Thermal and Electrical Properties of Copper Heat Sink Composites", *Materials Sciences and Applications*, Vol 7, 542-561 (2016).
39. Mahmoud A. Ahmed, **Walid M. Daoush**, Ahmed E. El-Nikhaily" Fabrication and characterization of Copper/Silicon Nitride composites", *Advances in Materials Research*, Vol. 5, No. 3, 131-140 (2016).
38. K. Morsi, **Walid M. Daoush** "Al-TiH₂ Composite 'Particles' as foaming Precursors for Metallic Foams", *Scripta Materialia*, Vol. 105, 6-9 (2015).
37. H. M. Yehia, **Walid. M. Daoush**, A. E. El-Nikhaily" Microstructure and Physical Properties of Blended and Coated (Ta, Nb)C/Ni Cermets", *Powder Metallurgy Progress* Vol.15, No.2, 262-271(2015).
36. Ayman Elsayed, Wei Li, Omayma A. El Kady, **Walid M. Daoush**, Eugene A. Olevsky, Randall M. German "Experimental Investigations on the Synthesis of W-Cu Nanocomposite through Spark Plasma Sintering", *Journal of Alloys and Compounds*, Vol. 639, 373-380 (2015).

- 35. Walid M. Daoush, Hee S. Park, Fawad Inam, Byung K. Lim, and Soon H. Hong** "Microstructural and Mechanical Characterization of Ti-12Mo-6Zr Biomaterials Fabricated by Spark Plasma Sintering", Metallurgical and Materials Transactions A, Vol. 46A, No. 3, 1385-1393 (2015).
- 34. Walid M. Daoush, Toyoko Imae** "Fabrication of PtNi Bimetallic Nanoparticles Supported on Multi-Walled Carbon Nanotubes", Journal of Experimental Nanoscience, Vol. 10, No. 5, 392-406 (2015).
- 33. Walid M. Daoush, A. Francis, Y. Lin, R. German** "An exploratory investigation on the in-situ synthesis of SiC/AlN/Al composites by spark plasma sintering", Journal of Alloys and Compounds, Vol. 622, 458-462 (2015).
- 32. Walid M. Daoush, Omayma Elkady** "Microstructure, Physical Properties and Hardness of Al₂O₃ Short Fibres/Ni Matrix Composites Fabricated by Powder Technology", Journal of Composite Materials, Vol. 48, No. 30, 3735-3746 (2014).
- 31. Walid M. Daoush, Hee S. Park, Soon H. Hong** "Fabrication of TiN/cBN and TiC/Diamond coated particles by titanium deposition process", Trans. Nonferrous Met. Soc. China, Vol. 24, 3562-3570 (2014).
- 30. Walid M. Daoush, Byung K. Lim, Dong H. Nam and Soon H. Hong** "Microstructure and mechanical properties of CNT/Ag nanocomposites fabricated by spark plasma sintering" Journal of Experimental Nanoscience, Vol. 9, No. 6, 588-596 (2014).
- 29. Fawad Inam, Badekai R Bhat, Thuc Vo, Walid M. Daoush** "Structural health monitoring capabilities in ceramic - carbon nanocomposites" Ceramic International, Vol.40, No.2, 3793-3798 (2014).
- 28. Walid M. Daoush, Soon H. Hong** "Synthesis of multi-walled carbon nanotube/silver nanocomposite powders by chemical reduction in aqueous solution", Journal of Experimental Nanoscience, Vol. 8, No. 5, 578-587 (2013).
- 27. Zeinab Abdel Hamid, Sayed F. Moustafa, Walid M. Daoush, Fatema Abdel Mouez, Mona Hassan** "Fabrication and Characterization of Tungsten Heavy Alloys Using Chemical Reduction and Mechanical Alloying Methods", Open Journal of Applied Sciences, 3, 15-27(2013).
- 26. A.A. El-Daly, M. Abdelhameed, M. Hashish, Walid M. Daoush** "Fabrication of silicon carbide reinforced aluminum matrix nanocomposites and characterization of its mechanical properties using non-destructive technique", Materials Science and Engineering: A 559, 384-393(2013).
- 25. Walid M. Daoush, Toyoko Imae** "Syntheses and Characterizations of Multi-Walled Carbon Nanotubes-Supported Palladium Nanocomposites", Journal of Materials Research, 27(13)1680-1687 (2012).
- 24. Sayed F. Moustafa, Walid M. Daoush, Ahmed Ibrahim, Erich Neubauer** "Hot Forging and Hot Pressing of AlSi Powder Compared to Conventional Powder Metallurgy Route", Journal of Materials Sciences and Application, Vol. 2, 1127-1133 (2011).

- 23. Walid M. Daoush** "Synthesis and Characterizations of Nanosized Fe_3O_4 for Biomedical Applications", World Journal of Engineering Vol.2, 161-162 (2010).
- 22. Wei Li, Walid M. Daoush, Aditya Bothate, Z. Abdel-Hamid, Ridvan Yamanoglu, Eugene Olevsky, Sayed Moustafa, Randall M. German.** "Influence of Powder Preparation on Consolidation Behavior and Properties of Tungsten-Copper Alloys", Advances in Powder Metallurgy & Particulate Materials, Vol. 1, 245-257 (2010).
- 21. H. A. Sallam, W. M. El-Meligy, E. A. Mohamed, Walid. M. Daoush, A. G. Moustafa** "Utilization of the Hyperfine Structure of the Doped Iron Nuclei to Elucidate the Structural, Electric and Magnetic Properties of $\text{La}_{1-x}\text{Ca}_x\text{Mn}_{0.95}\text{Fe}_{0.05}\text{O}_3$ Perovskite System", Arab Journal of Nuclear Science and Applications, Vol. 43, No 1, 138-150 (2010).
- 20. Walid M. Daoush, B. K. Lim, C. B. Mo, D. H. Nam, S. H. Hong** "Electrical and Mechanical Properties of Carbon Nanotube Reinforced Copper Nanocomposites Fabricated by Electroless Deposition Process" Materials Science & Engineering A, Vol. 513-514, 247- 253 (2009).
- 19. Walid M. Daoush, Hee S. Park, Kyong H. Lee, Sayed F. Moustafa, Soon H. Hong** " Effect of Binder Compositions on Microstructure, Hardness and Magnetic Properties of (Ta, Nb)C-Co and (Ta,Nb)C-Ni Cemented Carbides, Inter. J. of Ref. Met. and Hard Mat., Vol.27, 669-675 (2009).
- 18. Walid M. Daoush, Kyong H. Lee, Hee S. Park, Soon H. Hong** "Effect of Liquid Phase Composition on the Microstructure and Properties of (W, Ti) C Cemented Carbide Cutting Tools "Inter. J. of Ref. Met. and Hard Mat., Vol. 27, No.1, 83-89 (2009).
- 17. Walid M. Daoush, Sayed F. Moustafa** "Coated powders 'a good base' for intermetallics" Metal Powder Report, Vol 63, No 11, pp. 16 (2008).
- 16. A.G. Mostafa, E.K. Abdel-Khalek, Walid M. Daoush, M.Y.Hassaan** "Structural, Magnetic and Electrical Transport Properties of the $\text{La}_{0.70}\text{Sr}_{0.30}\text{Mn}_{0.9657}\text{Fe}_{0.04}\text{O}_{3+\delta}$ Perovskite" Journal of Hyperfine Interaction, vol. 184, pp. 167(2008).
- 15. Walid M. Daoush** "Processing and Characterization of CNT/Cu Nanocomposites by Powder Technology" Journal of Powder Metallurgy and Metal Ceramics, Vol. 47, Nos. 9-10, pp 531(2008).
- 14. A.G. Mostafa, E.K. Abdel-Khalek, Walid M. Daoush, S.F. Moustfa,** "Study of Some co-Precipitated Manganite Perovskite Samples Doped Iron" Journal of Magnetism and Magnetic Materials, Vol. 320, No.24, pp 3356 (2008).
- 13. S. H. Kaytbay and Walid M. Daoush** "Phase Identification and Magnetic Properties of Nanocrystalline $\text{Fe}_{50}\text{Cu}_{50}$ ", Journal of Powder Metallurgy Progress, Vol.7, No.2, pp. 111 (2007).
- 12. Walid M. Daoush and O.A. Elkady** "Beating the force field with PM shield materials" Metal Powder Report, Vol 62, No 8, pp. 22 (2007).
- 11. Walid M. Daoush** "Synthesis and Consolidation of Nano-Sized NiCo Powder by Powder Technology Rout"; Mater. Sci . Forum, Vols., 561-565, pp. 1425 (2007).

10. **Walid M. Daoush**, Kyong H. Lee, Hee S. Park, Soon H. Hong "Effect of Metallic Binder Composition on Microstructure and Hardness of (W, Ti)C Cemented Carbides" J. of Korean Powder Metallurgy Institute, Vol.14, pp.208 (2007) (in Korean).
9. **Walid M. Daoush** "Processing of FeCo Nanosized Soft-Magnetic Material by Powder Metallurgy Technique" Mater. Sci. Forum, Vols., 558-559, pp. 707 (2007).
8. **Walid M. Daoush**, and Sayed F. Moustafa "Coating points a way for synthesis of tough intermetallics", Metal Powder Report, Vol. 62, No. 1, pp. 30 (2007).
7. S.H. Kaytbay S.F. Moustafa and **Walid M. Daoush** "Solid-State Reaction in Al-Fe Binary System Induced by Mechanical Alloying" Journal of Defect and Diffusion, vol.272, pp. 15 (2007).
6. Sayed F. Moustafa, **Walid M. Daoush** "Synthesis of Nanosized Fe-Ni Powder by Chemical Process for Magnetic Applications," journal of Materials Processing Technology Vol. 181, pp.59 (2007).
5. S.H. Mansour, N. M. Ahemed and **Walid M. Daoush** "Studies on Magnetic Pigmented Polyester Composites", Polymer-Plastics Technology and Engineering, Vol. 46, pp. 85 (2007).
4. A. Francis, **Walid M. Daoush** "Synthesis and Magnetic Characteristics of Crystallized Ceramic in the BaO-NiO-TiO₂-Fe₂O₃ System," journal of Materials Processing Technology Vol. 181, pp. 213 (2007).
3. **Walid M. Daoush** and Sayed F. Moustafa "Processing of Metallic Filters by Powder Metallurgy Technique" Journal of Powder Metallurgy Progress, Vol. 6, No.4, pp. 164 (2006).
2. S.H. El-Sabbagh, N.M. Ahmed, **Walid M. Daoush** "Colored Rubber Vulcanizates with Some Magnetic Properties" Journal of Applied Polymer Science, Vol. 102, pp. 494 (2006).
1. Sayed F. Moustafa, **Walid M. Rashad**, E.E. El-Shereafy "Cu/Matrix Composites Produced with either Coated or Uncoated Reinforcement Powders" Canadian Metallurgical Quarterly, Vol. 40, No., 4, pp. 533 (2001).

❖ **REFEREED AND PUBLISHED CONFERENCES** (*student's names underlined*)

- 12- **Walid M. Daoush**, Turki S. Alkhuraiji, Moath A. Khamis, Turki S. Albogmy "Microstructure and Properties of Carbon Short Fibers/Copper Composites Fabricated by Electroless Deposition Followed by Powder Metallurgy Technique" International Conference on Advances in Functional Materials in UCLA (AAAFM-UCLA)". Aug 19 – 22, 2019 at the University of California, Los Angeles, USA.
- 11- H. M. Yehya, **W. M. Daoush**, M. H. El-Sayed, A. E. El-Nikhaily" Effect of Ni Binder Content on Microstructure, Hardness and Wear Properties of (Ta, Nb) C/Ni Cermets Fabricated by Powder Mixing and Coating Routs" 3rd International Conference in Africa and Asia on Welding and Failure Analysis of Engineering Materials, 2-5 November, 2015, Luxor, Egypt.
- 10- El Kady, O.A., **Daoush, W.M.**, Elsayed, A., Abdallah, M., Dawood, O.M. "Enhancement of physical and mechanical properties of oxide dispersion strengthened tungsten heavy alloys" Euro PM 2014 Congress and Exhibition.

9- Halfa Hossam, **Daoush Walid** "Preparation of 2-5 μm Magnetite Powder from High Carbon Ferrochrome (Fe-Cr) Alloy", 23rd International Conference on Metallurgy and Materials, METAL 2014, 21-23 May 2014, Brno, Czech Republic.

8- **Walid. M. Daoush** "Recycling of Magnetic Materials and Cellulose Fibers from the Underground Metro Tickets" The fourth international conference of Beni Suf University, 18-19 Feb. (2014), Beni Suf University.
http://gomhuriaonline.com/main_edu.asp?v_article_id=145645

7- **Walid. M. Daoush**, E. Gordo, P. Alvaredo, El Sayed K. Maree, Sayed F. Moustafa, Zeinab Abdel Hamid, Ahmed A. Atlam, Amir A. El Sayed "Microstructure and Hardness of Fe-TiCN Cermets Fabricated by Powder blending and Powder Coating Routes Followed by Powder Metallurgy Process" The 2012 World Congress on Advances in Civil, Environmental, and Materials Research (ACEM'12), COEX, Seoul, South Korea, 26-30 (August) (2012).

6- **Walid M. Daoush**, W. Bradbury, E. Olevsky, Randall M. German" Consolidation of Si₃N₄/Cu Composite Powders Fabricated by Electroless Deposition Technique" 18th International Conference on Composites Materials, ICCM 2011; Jeju; South Korea; 21 - 26 August 2011, Code 96311.

5- Wei Li, Randall M. German, Aditya Bothate, **Walid M. Daoush**, Eugene A. Olevsky, Z. Abdel-Hamid, Sayed F. Moustafa "Barriers of W-Cu Alloy Consolidation by Spark Plasma Sintering" 8th International Conference on Tungsten, Refractory and Hardmaterials 2011; San Francisco, CA; United States; 18 - 21 May 2011, Code 98754.

4- Randall M. German, Aditya Bothate, Wei Li, Eugene A. Olevsky, **Walid M. Daoush**, Sayed F. Moustafa "Advances in W-Cu: New Powder Systems" 8th International Conference on Tungsten, Refractory and Hardmaterials 2011; San Francisco, CA; United States; 18 - 21 May 2011, Code 98754.

3- Randall M. German, Wei Li, **Walid M. Daoush**, Aditya Bothate, Z. Abdel-Hamid, Ridvan Yamanoglu, Eugene Olevsky, Sayed Moustafa" Powder fabrication role in the sintering and properties of tungsten-copper alloys" Proceedings of the World Powder Metallurgy Congress and Exhibition, World PM 2010. Florence, Italy, 10 - 14 October 2010.

2- **Walid M. Daoush** "Processing and Characterizations of CNT/Cu Sintered Materials" The 1st International Conference in Advanced Materials and Nanotechnology, NRC, Cairo, Egypt 3-5 Dec. (2007).

1- S. F. Moustafa, Z. Abdel-Hamid, S.S Abdel Rehim, **W.M. Rashad Daoush** "Processing of Ni/Al intermetallic and its composites using coating route" Powder Metallurgy World Congress & Exhibition, PM 2004, Vienna, Austria, 17-21 Oct. (2004).

❖ NATIONAL / INTERNATIONAL PUBLISHED PRESENTATIONS

14- 2015 international conference of Powder Metallurgy and Particulate Materials, San Diego, California, USA, 17-20 May (2015).

13- The fourth international conference of Beni Suf University, Egypt, 18-19 Feb. (2014).

12- International Conference on Composite Materials (ICCM18), ICC, Jeju Korea, 21-26 Aug. (2011).

- 11- International Conference on Materials Imperatives in the New Millennium [MINM2010] Cairo, Egypt, 29 Nov.-2 Dec. **2010**.
- 10- First International Pharmaceutical Sciences Conference, Tanta Univ., Egypt, Nov. 18-19, 2009.
- 9- 2008 Full conference of Korea Powder Metallurgy Institute, Nov. 13-14, **2008**.
- 8- Spring Symposium of Korea Powder Metallurgy Institute, Chunbuck Univ., April 10-11, **2008**.
- 7- The sixth Korea-Japan Joint Symposium on Composite Materials, 1-2Nov. (**2007**), POSTEC, Korea.
- 6- 1st Workshop of the Advanced Materials & Applied Nanotechnology Group, AMANTG (26-27, Nov, (**2006**), NRC, Cairo, Egypt.
- 5- First Afro-Asian Conference on Advanced Materials Science and Technology (AMSAT06), Nov.13-16, **2006**, Cairo, Egypt.
- 4- Powder Metallurgy Congress and Exhibition, (24-28 Sept. 2006) Busan, Korea.
- 3- The US-Egypt Workshop on Synthesis, Characterizations and Industrial Applications of Nanoparticles and Nanostructure Materials, at 12-15 Nov. **2005**, Mubarak City, Alexandria, Egypt.
- 2- 4th Japanese-Mediterranean Workshop on Applied Electromagnetic Engineering for Magnetic, Superconducting and Nano materials, at 17-20 Sept., **2005**, Cairo., Egypt.
- 1- Us-Egypt Workshop on Advances in Science and Technology of Treatment and Utilization of Industrial Wastes, at Jun 6-10, **2004**, Cairo Egypt.