

List of Publications in Year 2021

JCR Journals Publications:

Mr. Junaid Kareem Khan

1. Noor ul Huda Khan Asghar, H. M., Muhammad Khalid, Zaheer Abbas Gilani, Muhammad Shahzad Shifa, Ayesha Parveen, M. S. Ahmed, **Junaid Kareem Khan**, Muhammad Afzal, and Furhaj Ahmed Sheikh. "Structural and magnetic properties of Co–Cd–Zn spinel ferrite nanoparticles synthesized through micro-emulsion method." *Optical and Quantum Electronics* 53, no. 12 (2021): 1-12. **(I.F. 2.18)**
2. Khalid, Muhammad, Ali Dad Chandio, Muhammad Saeed Akhtar, **Junaid Kareem Khan**, Ghulam Mustafa, Naimat Ullah Channa, Zaheer Abbas Gilani, and H. M. Asghar. "Aluminum Substitution in Ni-Co Based Spinel Ferrite Nanoparticles by Sol–Gel Auto-Combustion Method." *Journal of Electronic Materials* 50, no. 6 (2021): 3302-3311. **(I.F. 1.18)**
3. Channa N, Khalid M, Chandio AD, Akhtar MS, **Khan JK**, Mustafa G, Gilani ZA. Structural, dielectric, impedance, and electric modulus properties of Cu²⁺-substituted Cu_xMn_{1-x}Fe₂O₄ spinel ferrites nanoparticles. *Journal of Materials Science: Materials in Electronics*. 2021 Feb 6:1-3. **(I.F: 2.2)**

Dr. Hira Ashfaq Lodhi

1. **Hira Ashfaq Lodhi**, Shoaib Ahmed, Haider Hasan. "Tsunami heights and limits in 1945 along the Makran coast estimated from testimony gathered 7 decades later in Gwadar, Pasni and Ormara." *Natural Hazards and Earth System Sciences* 21(2021): 3085-3096. **(I.F. 4.345)**

Mr. Ghulam Mustafa

1. Jamshed Ahmad, Muhammad Khalid, **Ghulam Mustafa**, Abeer A. AlObaid, Tahani I. Al-Muhimeed, Muhammad Saeed Akhtar, Arif Akhtar Azam, Ghazanfar Nazir*, Hisham S.M. Abd-Rabboh. A facile strategy for the preparation of bismuth ferrite nanoparticles: Influence of calcination temperature on structural, dielectric, and morphological characteristics. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 628 (2021) 127328. <https://doi.org/10.1016/j.colsurfa.2021.127328> **(I.F: 4.53)**
2. Muniba, Muhammad Khalid, Ali Dad Chandio, Muhammad Saeed Akhtar, Junaid Kareem Khan, **Ghulam Mustafa**, Naimat Ullah Channa, Zaheer Abbas Gilani, And Hm Noor Ul Huda Khan Asghar. Aluminum Substitution In Ni-Co Based Spinel Ferrite Nanoparticles By Sol–Gel Auto-Combustion Method. *Journal Of Electronic Materials* Vol (50) Issue (16). <https://doi.org/10.1007/s11664-021-08819-6>. **(I.F: 1.94)**

3. Faiza Shaikh,* Tahira Mohsin Ali, **Ghulam Mustafa**, and Abid Hasnain. Comparative Study on the Effects of Citric Acid Modification and Hydroxypropylation on the Physiochemical and Digestibility Characteristics of Acid-Hydrolyzed Corn and Sorghum Starches. Starch-Stärke 2021, 2000241-Wiley Online Library. DOI: 10.1002/star.202000241 (**I.F: 2.22**)
4. Channa N, Khalid M, Chandio AD, Akhtar MS, Khan JK, **Mustafa G**, Gilani ZA. Structural, dielectric, impedance, and electric modulus properties of Cu 2+-substituted Cu x Mn 1-x Fe 2 O 4 spinel ferrites nanoparticles. Journal of Materials Science: Materials in Electronics. 2021 Feb 6:1-3. (**I.F: 2.2**)

Local Journals Publications:

Dr. Saba Javaid

1. Shaheen, Kousar, Roohi Zafar, and **Saba Javaid**. "Python program to generate spherical harmonic." International Journal of Advanced Trends in Computer Science and Engineering (2021).

Dr. Roohi Zafar

1. Shaheen, Kousar, **Roohi Zafar**, and Saba Javaid. "Python program to generate spherical harmonic." International Journal of Advanced Trends in Computer Science and Engineering (2021).

Mr. M. H. Usama Ayub

1. Habib ur Rehman Quamer Khan and Usama Ayub Yousufzai. Controlling of Home Devices by using MTMF Technique without using IC <https://doi.org/10.52700/jn.v212.43> Journal of Nano-Scope, Women University Multan.

Conference Publications/Proceedings

Dr. Saba Javaid

1. Theoretical Analysis of (i) 4f36s2 (ii) 4f25d26s (iii) 4f25p6s2 Configurations of Praseodymium (Pr-I), 1st International Conference on Applied Physics & Engineering (ICAPE-2021) held on 16-17 September 2021 at NED University of Engineering & Technology.

Dr. Roohi Zafar

1. Theoretical Analysis of (i) $4f36s2$ (ii) $4f25d26s$ (iii) $4f25p6s2$ Configurations of Praseodymium (Pr-I), 1st International Conference on Applied Physics & Engineering (ICAPE-2021) held on 16-17 September 2021 at NED University of Engineering & Technology.

Mr. Junaid Kareem Khan

1. Study of Structural, and Magnetic Properties of Copper-Magnesium (Cu-Mg) Nano-Ferrite Materials ($M_xCu_{(0.5-x)}Mg_{(1-2x)}Fe_2O_4$) upon Transition Metals (M = Ni, Zn, Co) Substitution.
2. Study Of Co-Ni Based Ferrites with Metal Ions Substitution for Microwave Application.
3. Effect of La⁺³ doping on Structural and Magnetic Properties of Manganese-Zinc (Mn-Zn) Mixed Spinel Ferrites Nanoparticles
4. Structural and Magnetic Properties of Sol-Gel Fabricated Lanthanum-Dopped Mn-Co Based Ferrites Nanoparticles.

Dr. Hira Ashfaq Lodhi

1. tDCS a Promising Therapy for Attentional Enhancement.
2. Transcranial Direct Current Stimulation (tDCS) as a treatment of Psychological Disorder.

Mr. Ghulam Mustufa

1. Effect of La⁺³ doping on Structural and Magnetic Properties of Manganese-Zinc (Mn-Zn) Mixed
2. Study of Structural, and Magnetic Properties of Copper-Magnesium (Cu-Mg) Nano-Ferrite Materials ($M_xCu_{(0.5-x)}Mg_{(1-2x)}Fe_2O_4$) upon Transition Metals (M = Ni, Zn, Co) Substitution.
3. Effect of Transition Metals (M = Cu, Zn, Co) Substitution on Structural & Electrical Properties in Nickel Magnesium Ferrites ($M_xNi_{(0.5-x)}Mg_{(1-2x)}Fe_2O_4$) Nano Particles
4. Study of Co-Ni Based Ferrites with Metal Ions Substitution for Microwave Application.
5. Structural and Magnetic Properties of Sol-Gel Fabricated Lanthanum-Dopped Mn-Co Based Ferrites Nanoparticles.