

# List of Publications in Year 2020

## JCR Journals Publications:

### Mr. Junaid Kareem Khan

1. **Khan, Junaid Kareem**, Muhammad Khalid, Ali Dad Chandio, Kiran Shahzadi, Zaheer Uddin, Ghulam Mustafa, Muhammad Saeed Akhtar, Naimat Ullah Channa, and Zaheer Abbas Gilani. "Properties of Al<sup>3+</sup> substituted nickel ferrite (NiAl<sub>x</sub>Fe<sub>2-x</sub>O<sub>4</sub>) nanoparticles synthesised using wet sol-gel auto-combustion." *Journal of Sol-Gel Science and Technology* (2020): 1-12. (I.F: 2.05)
2. Ghulam Mustafa<sup>1,2</sup>. Muhammad Khalid<sup>3</sup>. Ali Dad Chandio<sup>4</sup>. Kiran Shahzadi<sup>1</sup>. Zaheer Uddin<sup>2</sup>. **Junaid Kareem Khan**<sup>1</sup>. Naimat Ullah Channa<sup>5</sup>. Zaheer Abbas Gilani<sup>3</sup>. H. M. Noor ul Huda Khan Asghar<sup>3</sup>. Dielectric, impedance, and modulus spectroscopic studies of Lanthanum-doped nickel spinel ferrites NiLaxFe<sub>2-x</sub>O<sub>4</sub> nanoparticles. *Journal of Sol-Gel Science and Technology*. <https://doi.org/10.1007/s10971-020-05359-z> . 29 June 2020 © Springer Science+Business Media, LLC, part of Springer Nature 2020. (I.F: 2.05)
3. Kiran Shahzadi<sup>2</sup> · Ali Dad Chandio<sup>4</sup> · Ghulam Mustafa<sup>2</sup> · Muhammad Khalid<sup>1</sup> · **Junaid Kareem Khan**<sup>1</sup> · Muhammad Saeed Akhtar<sup>3</sup> · Zaheer Abbas Gilani<sup>1</sup> · H. M. Noor ul Huda Khan Asgar<sup>1</sup>. Impact of aluminum substitution on the structural and dielectric properties of Ni–Cu spinel ferrite nanoparticles synthesized via sol–gel route. *Optical and Quantum Electronics* (2020) 52:190 <https://doi.org/10.1007/s11082-020-02304-w> (I.F: 1.61)

### Dr. Hira Ashfaq Lodhi

1. **Hira Ashfaq Lodhi**, Haider Hasan, N.A.K. Nandasena. "The role of hydrodynamic impact force in subaerial boulder transport by tsunami—experimental evidence and revision of boulder transport equation." *Sedimentary Geology* 408 (2020): 1-8. (I.F:3.397)

### Mr. Ghulam Mustafa

1. Faiza Shaikh\*, Tahira Mohsin Ali, **Ghulam Mustafa**, and Abid Hasnain. Comparative Study on Effects of Xanthan Gum at Different Concentrations on the Functional, Thermal, and Digestibility Characteristics of Corn and Sorghum Starch Extrudates. *Starch-Stärke* 2020, 2000206 - Wiley Online Library. DOI: 10.1002/star.202000206.(I.F: 2.22)

2. Junaid Kareem Khan<sup>1,2</sup>, Muhammad Khalid<sup>3</sup>, Ali Dad Chandio<sup>4</sup>, Kiran Shahzadi<sup>1</sup> Zaheer Uddin<sup>2</sup>, **Ghulam Mustafa**<sup>1,2</sup>, Muhammad Saeed Akhtar<sup>5</sup>, Naimat Ullah Channa<sup>6</sup>, Zaheer Abbas Gilani<sup>3</sup>. Properties of Al<sup>3+</sup> substituted nickel ferrite (NiAl<sub>x</sub>Fe<sub>2-x</sub>O<sub>4</sub>) nanoparticles synthesised using wet sol-gel auto-combustion. *Journal of Sol-Gel Science and Technology*. <https://doi.org/10.1007/s10971-020-05426-5>. 11 November 2020 © Springer Science+Business Media, LLC, part of Springer Nature 2020  
(I.F: 2.05)
3. Faiza Shaikh, Tahira Mohsin Ali, **Ghulam Mustafa**, Abid Hasnain. Structural, functional and digestibility characteristics of sorghum and corn starch extrudates (RS3) as affected by cold storage time. *International Journal of Biological Macromolecules*. <https://doi.org/10.1016/j.ijbiomac.2020.08.105>  
(I.F: 5.16)
4. **Ghulam Mustafa**<sup>1,2</sup>. Muhammad Khalid<sup>3</sup>. Ali Dad Chandio<sup>4</sup>. Kiran Shahzadi<sup>1</sup>. Zaheer Uddin<sup>2</sup>. Junaid Kareem Khan<sup>1</sup>. Naimat Ullah Channa<sup>5</sup>. Zaheer Abbas Gilani<sup>3</sup>. H. M. Noor ul Huda Khan Asghar<sup>3</sup>. Dielectric, impedance, and modulus spectroscopic studies of lanthanum-doped nickel spinel ferrites NiLaxFe<sub>2-x</sub>O<sub>4</sub> nanoparticles. *Journal of Sol-Gel Science and Technology*. <https://doi.org/10.1007/s10971-020-05359-z> . 29 June 2020 © Springer Science+Business Media, LLC, part of Springer Nature 2020  
(I.F: 2.05)
5. Kiran Shahzadi<sup>2</sup> · Ali Dad Chandio<sup>4</sup> · **Ghulam Mustafa**<sup>2</sup> · Muhammad Khalid<sup>1</sup> · Junaid Kareem Khan<sup>1</sup> · Muhammad Saeed Akhtar<sup>3</sup> · Zaheer Abbas Gilani<sup>1</sup> · H. M. Noor ul Huda Khan Asgar<sup>1</sup>. Impact of aluminum substitution on the structural and dielectric properties of Ni–Cu spinel ferrite nanoparticles synthesized via sol–gel route. *Optical and Quantum Electronics* (2020) 52:190 <https://doi.org/10.1007/s11082-020-02304-w>  
(I.F: 1.61)

## **Local Journals Publications:**

### **Dr. Saba Javaid**

1. Roohi Zafar, **Saba Javaid**, and Zaheer Uddin. "Wavefunctions for ground state 4f 3 6s 2 configuration of praseodymium to calculate energy of fine levels and other spectroscopic quantities." *Journal of Physics Communications* 4.3 (2020): 035003.

### **Dr. Roohi Zafar**

1. **Roohi Zafar**, Saba Javaid, and Zaheer Uddin. "Wavefunctions for ground state 4f 3 6s 2 configuration of praseodymium to calculate energy of fine levels and other spectroscopic quantities." *Journal of Physics Communications* 4.3 (2020): 035003.