

<b>Faculty Member Profile (Government Degree College Ganderbal)</b>		
<b>Name</b>	Nazia Kowser	
<b>Designation</b>	Lecturer (AA)	
<b>Address</b>	Malabagh, Hazratbal District: Srinagar City: Srinagar. Country: India.	
<b>D.O.B</b>	15/10/1986	
<b>Education background</b>		
<b>Subject</b>	<b>Institution</b>	<b>Year</b>
<b>Ph. D</b>	<b>Ph. D research topic:</b> <i>Tectonic framework and magmatic evolution of granitoids of accreting back-arc of Nubra-Shyok Valley, Ladakh Himalaya and Karakoram (J&amp;K), India.</i>	2019
<b>M. Sc</b>	<b>Applied Geology</b> , University of Kashmir (India). <b>M. Sc project topic:</b> <i>Lithostratigraphy and micromorphology of Loess-Paleosol Quaternary sediments of Dilpur Member at Khan Sahib Section, Kashmir Valley, J&amp;K India and its Paleo-climatic implications.</i>	2011
<b>B. Sc</b>	Science, University of Kashmir (India).	2009
<b>Research interests/Specialization</b>		
Hard rock petrology and Geochemistry Volcanic and plutonic rocks of Nubra-Shyok Valley Ladakh Himalaya J&K India Karewas of Kashmir		
<b>Training courses attended</b>		
Research Methodology work shop <b>Department of Geography University of Kashmir (07 days).</b> Fission track dating work shop <i>DST Kurkshutra, Haryana</i> –India (6days)		

Work shop on disaster management in the **Department of Geography University of Kashmir (07days).**

### **Field tours**

Field visit for lithological and geological structures in the state of Karnataka-India (15 days).

Trip to NW Himalaya and Karakoram, 2012 J&K –India with the *scientists of Finland and Geological Society of Finland* (15days).

Geological field work to the Karewas of Kashmir (Loess-Paleosol study)-India.

Geological Field work in the Nubra- Shyok Valley, Ladakh, Himalaya, India.

### **Participations**

Member of the field trip field report NW Himalaya and Karakoram, 2012, J&K –India with the *scientists of Finland and Geological Society of Finland*.

### **Softwares and computer programmes used**

ArcGIS 10.2, Global mapper, Coral draw X7, Geochemical Kit, Microsoft office, Excel, Power point, Adobe Photoshop.

### **Publications in national and international journals**

Kowser, N., Chandra, R., Satyanarayanan, M. 2017. Geochemical characterization of granitoids of the Panamik-Sasoma section of eastern Karakoram Axial Batholith from the Nubra Valley, Ladakh, India. *Himalayan Geology*, Vol. 38 (1), pp. 68-77.

Dar R, A., Chandra, R., Romshoo, S, A., Kowser N. 2015. Micromorphological investigations of the Late Quaternary loess–paleosol sequences of the Kashmir Valley, India. *Journal of Asian Earth Sciences*, vol. 111, pp. 328-338.

Chandra, R., Kowser N., Brookfield M.E., Satyanarayanan, M., Stockli, D., Nature of the Shyok Zone between India and Asia: Petrology, geochemistry and origin of the Tirit granitoids and associated dykes: (Nubra Valley Ladakh Himalaya, NW India). *Geological Magazine*, accepted 17 Feb 2023.

### **Paper publishes & presented in national and international conferences/workshops**

1. Kowser, N. and Chandra, R. 2012. Lithostratigraphy and micromorphological studies of Loess-Paleosol sediments of Dilpur Member at Khan Sahib Section and its paleoclimatic implications. VIII<sup>th</sup> J&K Science Congress, *University of Kashmir, Srinagar* (17<sup>th</sup> to 19<sup>th</sup> September, 2012), 229.

2. Chandra, R. and Kowser, N. 2012. Tectonic framework and petrological characteristics of Tirth Granitoids of Nubra Valley, Ladakh Trans-Himalaya, India. VIII<sup>th</sup> J&K Science Congress, *University of Kashmir, Srinagar* (17<sup>th</sup> to 19<sup>th</sup> September, 2012), 231.

3. Kowser, N. and Chandra, R., 2013. Petrological study of Granitoids of

- Nubra Valley, Trans-Himalaya, Ladakh, J&K, India. 9<sup>th</sup> J&K Science Congress, *University of Kashmir, Srinagar* (1st to 3rd October, 2013), 198pp.
4. Kowser, N., Chandra, R. and Rashid, M. 2015. Tectono-stratigraphy of Shyok Suture Zone- An accretionary complex, Nubra-Shyok Valley, Ladakh Himalaya and Karakoram. Paper presented at *Two days National inter-disciplinary Science Conference-2015, Nis'con-15* on "Recent Research trends in Chemical and Environmental Sciences" organized by P. G. Department of Chemistry & Environmental Sciences & Environment and Water Management, Sri Partap College, Srinagar, J&K (18<sup>th</sup> to 19<sup>th</sup> August, 2015), 58-59pp.
  5. Kowser, N. and Chandra, R., 2015. Tectonic framework and geochemical characteristics of granitoids of Nubra-Shyok Valley, Ladakh Trans-Himalaya and Karakoram. *30<sup>th</sup> Himalayan-Karakoram-Tibet Workshop, organized by Wadia Institute of Himalayan Geology, Dehradun, India* (6<sup>th</sup> to 8<sup>th</sup> October, 2015), 239-240.
  6. Kowser, N. and Chandra, R., 2017. Petrology and geochemical characterization of Tirit Granitoids of Shyok Suture Zone (SSZ) of Nubra Valley, Ladakh Trans-Himalaya. 12<sup>th</sup> *JK Science Congress" organized by University of Jammu, J&K"*, from 02-03-2017 to 04-03-2017.
  7. Kowser, N., Chandra, R. and Rashid, M. 2015. Petrography and geochemistry of granitoids of Shyok Suture Zone (SSZ) of Nubra Valley, Ladakh Himalaya and Eastern Karakoram. 11<sup>th</sup> JK Science Congress on "Scientific, Social and economic dimensions of climate change" organized by *University of Kashmir, Hazratbal, Srinagar* J&K (12<sup>th</sup>-14<sup>th</sup>, October, 2015), 216-217.
  8. Chandra, R. and Kowser, N. 2018. Geochemistry of Mafic dykes of Tirit Granitoids of Shyok Suture Zone (SSZ), Nubra-Valley, Ladakh Himalaya, India, **JKSC-1510**.

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