

Biodata

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1. Academic Qualification:

Examination	Year	Subjects	Name of Board/ University	Marks obtained,	Remark
Secondary School Certificate	1984	English, Hindi, Maths Science, Social Studies & Special English	Andhra Pradesh Board of Secondary Education, Hyderabad (A. P.), India.	358/600; 59.67% & II nd Division	---
Intermediate (10+2)	1988	Maths, Physics, Chemistry, Hindi & English,	Andhra Pradesh Board of Intermediate Education, Hyderabad (A. P.), India.	709/1000; 70.9% & I st Division	---
B. Sc. III Geology Honours	1991	Geology (Hons.), Maths & Physics (subsidiary), Hindi & English (additional)	Himachal Pradesh University, Shimla (H. P.), India.	1150/1700; 67.64% & I st Division	University Gold Medal for standing I st in Examination
M. Sc. Geology	1993	Geology	Himachal Pradesh University, Shimla (H.P.), India.	1652/2400; 68.83% & I st Division	University Gold Medal for standing I st in Examination
Ph. D. Geology	2000	Geochemistry and Tectonics of Ladakh Himalaya and Karakoram Mountains.	Hemwati Nandan Bahuguna Garhwal University, Srinagar Uttarakhand, India.	----	Topic* Supervisors [#]

***Topic of D. Phil. Thesis:** "Tectonic frame work and geologic features of accreting back-arc of Hundri and Sasoma area between Shyok and Nubra river water divide, Ladakh Himalaya and Karakoram, (J&K), India".

#Name of Ph.D. Supervisors: Prof. A. K. Sinha, Ex-Director, Birbal Sahini Institute of Paleobotany, Lucknow (U.P.) & Dr. Hakim Rai, Ex-Scientist 'F', Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand.

2. **Academic distinction/awards/medal/scholarship/fellowship:**

- H.P. University Certificate of **Merit and Gold Medal** for securing **First Position in B.Sc. III (Geology, Hons.)**, H. P. University Examination - April, 1991.
- H.P. University Certificate of **Merit and Gold Medal** for securing **First Position in M.Sc. Geology**, H. P. University Examination - June, 1993.
- **National Scholarship** Scheme selection First Position in B.Sc.III (Geology, Hons.), H. P. University Examination - April, 1991; Vide letter No. Shiksha B (10)2/91(3); Director of Education, Himachal Pradesh, Shimla - 171001.
- **Santosh Shiksha Award and Gold Medal** for securing the First Position in M.Sc. Geology, H.P. University Examination - June, 1993.
- Qualified H.P. **State Eligibility Test (SET)** for Lectureship (Accredited by the University Grant Commission (UGC) vide letter No. F.7-5/94 (N.E.T.), Dt.11/07/97.
- **Junior & Senior Research Fellowship** in DST sponsored research project “Accretionary evolution of trench and back-arc basins across the Indus-Shyok suture zone, Ladakh Himalaya and Karakoram” at Wadia Institute of Himalayan Geology, Dehradun (from 26th Nov., 1995 to 18th July, 1998).
- **Senior Research Fellowship (S.R.F.) in INDO-US** joint research project “Earthquake Hazards in the Himalayan Foothills of NW India” at Wadia Institute of Himalayan Geology, Dehradun (from 19th Aug., 1998 to 25th Jan., 1999).
- **“Nodal Officer”** Departmental Internal Quality Assurance Unit (DIQAU), Department of Geology & Geophysics as an academic manager of quality assurance since July 2006 till date.
- **Awarded Excellent Grade of assessment**, based on student evaluation conducted by Internal Quality Assurance Cell (IQAC) of the University of Kashmir, Srinagar for the academic session - 2006.
- **Awarded “Certification of Appreciation -2013”** for providing valuable assistance in the overall development and promotion of Department of Earth Sciences, University of Kashmir, Srinagar, J&K..

3. **Research & Teaching experience:**

Organization Where worked	Post	Period (From-To)	Nature of work experience
Wadia Institute of Himalayan Geology, 33, General Mahadeo Singh Road, Dehradun Uttarakhand, India.	Research Fellow	Five years (26/11/1994 to 25/01/1999)	To study the accretionary evolution of trench and back-arc basins across the Indus-Shyok suture zone, Ladakh Himalaya and Karakoram. Geological mapping and generation, synthesis and interpretation of geochemical data To study the earthquake hazards in the Himalayan foothills of NW India.
Jai Prakash Associates, Dul - Hasti Hydro Electric Power Project, Kishatwar, Jammu & Kashmir, India.	Senior Field Geologist	Six months (1/2/1999 to 24/7/1999)	To provide geotechnical services in Head Raise Tunnel (HRT).
Govt. Degree College & Himachal Pradesh University Regional Centre, Dharamsala, Kangra (H.P.), India.	Lecturer (Geology)	Three years (7/8/1999 to 10.6/2002)	Teaching of geology at Undergraduate & Postgraduate level. Question paper setting and answer sheet evaluation examination work.
Dept. of Earth Sciences, University of Kashmir, Hazratbal, Srinagar, (J&K) India.	Lecturer (Geology)	Four years (15/6/2002 to 14/6/2006)	Teaching of applied geology at Postgraduate level. Supervision of M.Sc. dissertation project work, M. Phil. And Ph. D. (Geology) research work. Question paper setting and answer sheet evaluation examination work. Nodal Office to Internal Quality Assurance Cell (IQAC), University of Kashmir, Hazratbal, Srinagar (J&K), India. Organization of national and international seminars, conferences and workshops.
	Sr. Assistant Professor (Geology)	Six years 15/6/2006 onwards	

4. Training programme/Refresher course/ General Orientation Course attended:

- Three weeks SERC winter school NMCMP-IV on “**Databases Numerical Methods and Computer Modeling in Modern Approach to Petrology**” sponsored by D.S.T. Govt. of India, New Delhi, and Organized by Wadia Institute of Himalayan Geology, Dehradun - 248 001 (14th Nov. to 4th Dec., 96).
- Four week “**Saral Sanskrit Sambhashan Programme**” sponsored and organized by UGC-Govt. Degree College Dharamsala, Dharamsala (H.P.) -176 215.) (3rd March to 5th April, 2002).
- One day “**Training Programme on SEM Operation**” organized by USIC, University of Kashmir, Srinagar on 7th Sept., 2003.
- Three weeks UGC sponsored “**Refresher Course in Environmental Science (Inter-Disciplinary)**” organized by UGC-Academic Staff College, University of Kashmir in collaboration with P.G. Department of Environmental Science, University of Kashmir, Srinagar - 190 006 (16th Aug. to 6th Sept., 2005).
- One week “**Underground mining training programme**” organized by Hindustan Zinc Limited at Zawar Mala Mine, Zawar Group of Mines, Zawar, Rajasthan - 313 004 (31st Jan. to 6th Feb., 2006).
- Four weeks UGC sponsored “**General Orientation Course**” organized by UGC-Academic Staff College, University of Jammu, Jammu (1st Aug. to 2nd Sept., 2006).
- Three weeks UGC sponsored “**1st Special Winter School for Refresher Course in Geology**” organized by UGC-Academic Staff College, University of Mysore, Mysore (9th to 29th Jan., 2009).
- Three weeks UGC sponsored “**Refresher Course in Computer Applications (Inter-Disciplinary)**” organized by UGC-Academic Staff College, University of Kashmir, Srinagar- 190 006 (9th to 22nd June, 2011).
- Two-days short term course on “**Right To Information**” organized by Faculty of Law & UGC-Academic Staff College, University of Kashmir, Srinagar- 190 006 (27th to 28th June, 2011).
- Two Week DST-SERB Winter School on “**Quaternary Geology and Climate Change**” Organised by Department of Geology, University of Pune, Pune (6th -19th January, 2014).
- Two workshops on “**Mohr circle simplified and modern methods of fabric analysis in deformed rocks**” sponsored by International Union of Geological Sciences commission on Tectonics and structural Geology (IUGS-TecTask), organized by Department of Geology & Geophysics, Indian Institute of Technology, Kharagpur, from 21-10-2016 to 23-10-2016

5. Research Publications:

(a). Papers published in national and international journals:

1. Sinha, A. K., Rai, H., Upadhyay, R. and **Chandra, R.**, 1998. A regional tectonic framework of Karakoram terrane: Interpretation from recent stratigraphic, geochemical, and geochronological data. Special issue, Geological Bulletin, Society proceeding on **13th Himalaya-Karakoram-Tibet Workshop**, University of Peshawar, Pakistan (20th to 22nd April, 1998), held at University of Peshawar, Pakistan, 31, 190-191 (**ISSN: 0367-4045**).
2. Trivedi, J. R., Upadhyay, R., **Chandra, R.**, Rai, H. and Sinha, A. K., 1997. Rb/Sr dates from granitoids of eastern Karakoram batholith, India and their implication in accretion tectonics. Special Issue of Journal of Nepal Geological Society proceeding on IInd **Nepal Geological Congress**, Katmandu (11th to 13th Nov., 1997), 16, 29-30 (**ISSN: 0259-1316**).
3. Sinha, A. K., Rai, H., Upadhyay, R. and **Chandra, R.**, 1999. Contribution to the geology of the eastern Karakoram, India. **Himalaya and Tibet: Mountain Roots to Mountain Tops** (edited Allison Macfarlane, Rasoul B. Sorkhabi, Jay Quade) **Geological Society of America**, Special paper, 328, 33-46. **ISSN: 0072-1077, (IF: 1.53)**, DOI: <https://doi.org/10.1130/SPE328> ISBN print: 9780813723280.
4. Upadhyay, R., Sinha, A. K., **Chandra, R.** and Rai, H., 1999. Tectonic and magmatic evolution of the eastern Karakoram, India. **Geodinamica Acta**, Paris, Lavoisier Abonnements (Elsevier Publ.), 12, 341-358. (**IF: 1.091**) **ISSN: 0985-3111 (Print), 1778-3593 (Online)**, [http://dx.doi.org/10.1016/S0985-3111\(99\)00101-1](http://dx.doi.org/10.1016/S0985-3111(99)00101-1).
5. Upadhyay, R., **Chandra, R.**, Sinha, A. K., Kar, R.K., Chandra, S., Jha, N. and Rai, H., 1999. Discovery of Gondwana plant fossils and Palynomorphs of Late Asselian (Early Permian) age in the Karakoram block. **Terra Nova**, John Wiley & Sons Ltd., Oxford, U. K., 11, No. 6, 278-283. (**IF: 2.214**), (**Online ISSN: 1365-3121**).
6. Upadhyay, R., **Chandra, R.**, Rai, H., Jha, N., Chandra, S., Kar, R.K. and Sinha, A.K., 1999. First find of the Early Permian Lower Gondwana plant remains and Palynomorphs from the Chhongtash Formation (Upper Shyok Valley), Eastern Karakoram, India. **Palaeobotanist**, 48, 7-18. **DOI: 10.13140/RG.2.1.2203.2486**

7. **Chandra, R.**, Upadhyay, R. and Sinha, A.K., 1999. Subduction and collision related magmatism in the Shyok Suture and eastern Karakoram. **Palaeobotanist**, 48, 183-209. **DOI: 10.13140/RG.2.1.3776.1120**
8. Dar, R. A., **Chandra, R.** and Romshoo, S.A., 2013. Morphotectonic and Lithostratigraphic Analysis of Intermontane Karewa Basin of Kashmir Himalayas, India. **Journal of Mountain Science**, Vol. 10(1), 1-15, (ISSN 1672-6316), **DOI: 10.1007/s11629-012-2399-1 (IF: 1.00)**.
9. Ahmad, I. and **Chandra, R.**, 2013. Geochemistry of loess-paleosol sediments of Kashmir Valley, India: Provenance and weathering. **Journal of Asian Earth Sciences**, Vol. 66, 73-89. **http://dx.doi.org/10.1016/j.jseaes.2012.12.029 (IF: 2.379), (ISSN: 1367-9120)**.
10. **Chandra, R.** and Ahmad, I., 2013. Pedostratigraphy, Pedological and Geochemistry of Kashmir Loess: implications for chemical weathering history and paleoclimatic reconstruction. Proceeding 1st Annual International Interdisciplinary Conference AIC-2013 24-26 April, 2013, University of the Azores, Ponta Delgada, Portugal, Vol.3, 467-478. (ISBN: 978-608-4642-05-3).
11. Dar, R. A., Romshoo, S. A., **Chandra, R.** and Ahmad, I., 2014. Tectono-geomorphic study of the Karewa Basin of Kashmir Valley. **Journal of Asian Earth Sciences**, Vol. 92, 143-156. **DOI: 10.1016/j.jseaes.2014.06.018, ISSN: 1367-9120 (IF: 2.83)**.
12. Dar, R.A., **Chandra, R.**, Romshoo, S. A., Lone, M. A., Ahmad, S. M., 2015a. Isotopic and micromorphological studies of Late Quaternary Loess-paleosol sequences of Karewa Group: Inference for paleoclimate of Kashmir Valley, **Quaternary International**, Vol. 371, 122-134. **DOI:10.1016/j.quaint.2014.10.060; ISSN: 1040-6182 (IF: 2.13)**.
13. Dar, R.A., **Chandra, R.**, Romshoo, S. A., Lone, M. A., Ahmad, S. M., 2015b. Reply to the comment by Shah on "Isotopic and micromorphological studies of Late Quaternary Loess-paleosol sequences of Karewa Group: Inference for paleoclimate of Kashmir Valley", **Quaternary International**, Vol. 374, 200-204. **DOI:10.1016/j.quaint.2015.03.029; ISSN: 1040-6182 (IF: 2.13)**.
14. Dar, R.A., **Chandra, R.**, Romshoo, S.A., Kowser, N., 2015. Micromorphological investigations of the Late Quaternary loess-paleosol sequences of Kashmir Valley, India, **Journal of Asian Earth Sciences**, Vol. 111; 328-338; **DOI: 10.1016/j.jseaes.2015.07.004; (IF: 2.83)**.
15. **Chandra, R.** and Ahmad, I., (in press). Pedostratigraphy and Geochemistry of Loess-Paleosol Sediments of Karewa Basin: Implications for Chemical Weathering and Paleoclimatic Reconstruction of Kashmir Valley, **Journal of Geological Society of India (ISSN: 0016-7622), (IF:0.596)**.
16. Kowser, N., **Chandra, R.** and 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), 68-77. **ISSN : 0971-8966, (IF:0.35)**.
17. Lone, A., Babeesh, C., Achyuthan, H. and **Chandra, R.**, 2017. Evaluation of environmental status and geochemical assessment of sediments, Manasbal Lake, Kashmir, India. **Arab J Geosci**. 10:92(1-18). **ISSN: 1866-7511 (Print) 1866-7538 (Online) DOI: 10.1007/s12517-016-2826-7, (IF: 0.86)**.
18. Mir, R. R., Parvez, I. A., Gaur, V. K., Ashish, **Chandra, R.** and Romshoo, S. A., 2017. Crustal Structure beneath the Kashmir Basin Adjoining the Western Himalayan Syntaxis. **Bulletin of the Seismological Society of America**, Vol. 107(5), 2443–2458. **DOI: 10.1785/01201503, ISSN: 1943-3573 (IF: 2.146)**.
19. Shah, S. K., Pandey, U., Mehrotra, N. and **Chandra, R.**, 2017. Tree-ring analysis of Cedrus deodara in Pahalgam, Kashmir valley, India: influence of climate and regional linkages. **Himalayan Research Journal**, Vol II(III), 1-8. **ISSN: 2278-280X**.
20. Ahmad, I. and **Chandra, R.**, 2018. Paleoenvironmental reconstruction of the Late Quaternary Loess-Paleosol sediments of Kashmir Valley. **Journal of Applied Geochemistry**, Vol. 20(1), 59-90. **ISSN: 0972-1967**.
21. **Chandra, R.**, Dar, J. A., Romshoo, S. A., Rashid, I., Parvez, I. A., Mir, S. A. and Fayaz, M., 2018. Seismic hazard and probability assessment of Kashmir valley, northwest Himalaya, India **Natural Hazards**, 94(1): 1 -27. **DOI: 10.1007/s11069-018-3362-4, ISSN: 1573-0840, (IF: 1.901)**.
22. Meenakshi, Kumar, P., Shrivastava, J. P., **Chandra, R.**, Chopra, S., Roonwal, G. S. and Sharma, R., 2018. High resolution 14C AMS ages (~50 ka) of organic matter associated with the loess-palaeosol Holocene-Late Pleistocene (8–130 ka) sediments of Dilpur Formation, Karewa Group, Kashmir, India **Quaternary Geochronology**, 47(1): 170 -179. **DOI: 10.1016/j.quageo.2018.06.004, ISSN: 1871-1014, (IF: 2.853)**.
23. Shah, S.K., Pandey, U., Mehrotra, N., Wiles, G. C. and **Chandra, R.**, 2019. A winter temperature reconstruction for the Lidder Valley, Kashmir, Northwest Himalaya based on tree-rings of Pinus wallichiana. **Climate Dynamics**, ISSN 0930-7575; **DOI: 10.1007/s00382-019-04773-6 (IF:3.774)**.

(b). Papers published in national and international symposium / seminars / conferences / workshops:

1. Sinha, A.K., Rai, H., Upadhyay, R. and **Chandra, R.**, 1995. A preliminary report on the geology of the northeastern Indian sector of Karakoram orogen. **Symposium on Tethys of the Himalaya and adjoining regions**, at Wadia Institute of Himalayan Geology, Dehradun (15th to 17th Nov. 1995), 4 -5.
2. Sinha, A.K., Rai, H., Upadhyay, R. and **Chandra, R.**, 1996a. A geological traverse through the collision zone of the Indian and Asian plate and accreted Karakoram terrane. **11th Himalaya-Karakoram-Tibet workshop**, Flagstaff, Arizona (USA) (29th April to 1st May 1996), 140.
3. Sinha A.K., Rai, H., Upadhyay, R. and **Chandra, R.**, 1996b. A tectonic-framework of Indian sector of Karakoram Mountain terrane. **30th International Geological Congress**, Beijing, China (8th to 14th August, 1996), 177.
4. Sinha, A.K., Upadhyay, R., Rai, H. and **Chandra, R.**, 1997a. Systematic developments through early expeditions to eastern Karakoram, Shaksgam Valley and Eastern Tibet since early half of the nineteenth century: A Recap. **12th Himalaya-Karakoram-Tibet Workshop**, Rome, Italy (16th to 18th April, 1997), 81-85.
5. Upadhyay, R., Sinha, A.K., Rai, H. and **Chandra, R.**, 1997b. Shyok Suture Zone: a possible accreted fragment between the India-Asia collision zone in Ladakh - Karakoram sector. **12th Himalaya-Karakoram-Tibet Workshop**, Rome, Italy (16th to 18th April, 1997), 231-232.
6. Sinha A.K., Trivedi, J.R., Upadhyay, R., Rai, H. and **Chandra, R.**, 1997c. Geochemical and geochronological studies of granitoids of eastern Karakoram and their impact on the tectonic interpretation. **International Conference on Isotopes in the Solar system**, Physical Research Laboratory (PRL), Ahmadabad (11th to 14th Nov. 1997), 116-117.
7. Sinha, A. K., **Chandra, R.** and Upadhyay, R., 1999. Accretion of terrane in Karakoram micro-continent: New palaeobotanical and geochemical data. **14th Himalaya-Karakoram-Tibet Workshop**, Kloster Ettal, Germany (24th to 26th March, 1999), 146-148.
8. Upadhyay, R., **Chandra, R.** and Sinha, A. K., 2000. Subduction and collision related magmatism in the Shyok Suture and Eastern Karakoram, India. **17th Swiss Tectonic Group Meeting**, ETH Zentrum, Zurich, Switzerland (31st March to 1st April, 2000).
9. Ahmad, I. and **Chandra, R.**, 2006. Micro-morphology and Pedogenic modification of Kashmir Loess: Significance for Lithostratigraphy and Paleoclimate. **IInd J&K Science Congress**, University of Kashmir, Srinagar (25th to 27th July, 2006), 40-42.
10. Zaz, S.N. and **Chandra, R.**, 2008. Lithostratigraphy, micro-morphology, pedogenic modification and climatic records of loessic sediments of Karewa Group. **IVth J&K Science Congress**, University of Kashmir, Srinagar (12th to 14th Nov. 2008), 104.
11. **Chandra, R.** and Ahmad, I., 2008. Paleoclimatic significance of Late Quaternary Loess-Paleosols quaternary sediments of Kashmir Valley (J&K). **IVth J&K Science Congress**, University of Kashmir, Srinagar (12th to 14th Nov. 2008), 107.
12. **Chandra, R.** and Ahmad, I., 2008. Paleoclimatic significance of Late Quaternary Loess-Paleosols sequence of the last Glacial-Interglacial cycle in the Kashmir Valley (J&K). National Seminar on **XXVth Convention of Indian Association of Sedimentologists**, The Maharaja Sayajirao University of Baroda, Vadodara (26th to 28th Dec. 2008).
13. Ahmad, I. and **Chandra, R.**, 2010. Geochemical characterization of loess-paleosole Quaternary sediments of Karewa basin and its implications for paleoclimate of Kashmir Valley. **VIth J&K Science Congress**, University of Kashmir, Srinagar (2nd to 4th December, 2010), 85.
14. Dar, R. A. and **Chandra, R.**, 2010. Lithostratigraphy of Kashmir Loess-Paleosol sediments and their significance for the geomorphic evolution of Karewa Basin. **VIth J&K Science Congress**, University of Kashmir, Srinagar (2nd to 4th December, 2010), 86.
15. Dar, R. A., and **Chandra, R.**, 2011. Morphometric and geomorphic study of Romushi watershed, southwest Kashmir. Proceedings of Conference on **Geomatics for Good Governance (G-Governance-2011)**, University of Kashmir, Srinagar (13th to 14th September, 2011), 131-132.
16. Kanwar, P., Bhatti, R., Sharma, V., Jasrotia, R. S. and **Chandra, R.**, 2011. Water resource planning in Marchola watershed of Rajauri District, J&K: Creating opportunities for improving livelihood. Proceedings of Conference on **Geomatics for Good Governance (G-Governance-2011)**, University of Kashmir, Srinagar (13th to 14th September, 2011), 94-95.
17. Dar, R. A. and **Chandra, R.**, 2012. Geomorphic and pedological study of loess-paleosol Quaternary sediments of Upper Karewa of Kashmir Valley, India. **VIIIth J&K Science Congress**, University of Kashmir, Srinagar (17th to 19th September, 2012), 228.

18. 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. **VIIIth J&K Science Congress**, University of Kashmir, Srinagar (17th to 19th September, 2012), 229.
19. **Chandra, R.** and Kowser, N. 2012. Tectonic framework and petrological characteristics of Tirth Granitoids of Nubra Valley, Ladakh Trans-Himalaya, India. **VIIIth J&K Science Congress**, University of Kashmir, Srinagar (17th to 19th September, 2012), 231.
20. **Chandra, R.**, 2012. Tectonics and geochemical characterization of granitoids of Nubra Valley. **AISRF International geological field workshop on “The nature and origin of Himalayan mantled gneiss domes and the implications for timing of events during the India-Asia collision”** held at Manali (H.P.) (18th to 22nd October, 2012).
21. Rashid, M. and **Chandra, R.** 2013. Sedimentation and Tectonic Framework of Molassic sediments of Shyok Back arc basin of Nubra Valley, Ladakh Trans-Himalaya, J&K, India. **9th J&K Science Congress**, University of Kashmir, Srinagar (1st to 3rd October, 2013), 196pp.
22. Dar, R.A., **Chandra, R.** and Romshoo, S. A., 2013. Late Quaternary climate changes in Kashmir Valley, Trans-Himalaya: Stable Isotope and micromorphological approach. **9th J&K Science Congress**, University of Kashmir, Srinagar (1st to 3rd October, 2013), 197pp.
23. Nazir, R., Lone, I. A. and **Chandra, R.**, 2013. Tectonics and structural features of Rocks of Kashmir Valley and its implications to seismotectonics. **9th J&K Science Congress**, University of Kashmir, Srinagar (1st to 3rd October, 2013), 198pp.
24. Kowser, N. and **Chandra, R.**, 2013. Petrological study of Granitoids of Nubra Valley, Trans-Himalaya, Ladakh, J&K, India. **9th J&K Science Congress**, University of Kashmir, Srinagar (1st to 3rd October, 2013), 198pp.
25. **Chandra, R.** and Ahmad, I., 2013. Geochemistry of Loess-Paleosol Quaternary sediments of Karewa Basin: Implications for Paleoclimatic reconstruction of Kashmir Valley. **9th J&K Science Congress**, University of Kashmir, Srinagar (1st to 3rd October, 2013), 199pp.
26. Bhatti, R., Kanwar, P., Raj, R. and **Chandra, R.**, 2013. Nitrate Pollution in ground water in parts of outer plains of Jammu & Kashmir state. **9th J&K Science Congress**, University of Kashmir, Srinagar (1st to 3rd October, 2013), 202pp.
27. Ahmad, I. and **Chandra, R.**, 2013. Clay mineralogical study of paleosol sediments of Karewa Basin: indicators of paleoclimatic record of the Kashmir Valley. **National conference on “Earth Sciences in India: Challenges and emerging Trends (ESICET-2013)**, Department of Earth Sciences, Indian Institute of Technology, Roorkee, (7th to 9th October, 2013), 5-6.
28. **Chandra, R.** and Ahmad, I., 2013. Pedostratigraphy and Geochemistry of Loess-Paleosol Sediments of Karewa Basin: Implications for Chemical Weathering and Paleoclimatic Reconstruction of Kashmir Valley. **Annual General Meeting (AGM) of the Geological Society of India and International conference on Future Challenges in Earth Sciences for Energy & Mineral Resources (ESEMR-2013)**. Department of Applied Geology, Indian School of Mines, Dhanbad, Jharkhand, India (14th to 16th November, 2013), 262p.
29. **Chandra, R.**, 2014. Geochemical characterization of Loess - paleosol Quaternary sediments of Karewa Group: Paleoclimatic implications. **Workshop on Quaternary Geology**, Regional Training Institute, Srinagar, North Region Lucknow, Geological Society of India (27th -31st May, 2014).
30. Mir, R. R., Parvez, I. A., Ashish, **Chandra, R.** and Romshoo, S. A., 2014. Crustal Structure beneath Kashmir Valley, **Three days national workshop on “Physics of Earthquakes and Hazard Analysis”** organised by Three science Academies at SMVD University, Katra, Jammu India (27th -29th May, 2014).
31. **Chandra, R.** and Dar, R. A., 2014. Pedological characterization and agricultural importance of loess soils on the Wudar deposits of Kashmir Valley, J&K, India. **International Geographical Union (IGU) Commission Conference, Geohazards, biodiversity, resources sustainability and mountain response to global change**. Department of Geography and Regional Development, University of Kashmir, Srinagar, J&K, India (4th-5th June, 2015), 40p.
32. **Chandra, R.**, 2014. Quaternary Karewa Sequence: An Overview. Paper presented **37th Orientation Course for Geologists (OCG), at Field Training Centre-Saketi (camp at Srinagar, J&K), Geological Survey of India** on 15/07/2014". Organized by FTC, Saketi, Geological Survey of India. (15th July, 2014).
33. **Chandra, R.**, 2014. Field workshop on Himalayan Tectonics. Organised by Department of Earth Sciences, University of Kashmir, Hazratbal, Srinagar, J&K, India and sponsored by **Centre Franco-Indien pour la Promotion de la Recherche Avancée (CEFIPRA), Indo French Centre for the Promotion of Advanced Research (IFCPAR), New Delhi, India** (20th to 29th July 2014).

34. **Chandra, R.**, 2014. Geoheritage & geosite conservation and development of Late Permian and Early Triassic global stratotype P-T Boundary section of Guryul Ravine, Kashmir Valley, J&K, India. **Indian Geological Congress 19th Convention & International Conference on Climate change and natural resources development strategies: Risks, management and governance** at Rajeev Gandhi University ITANAGAR, organized by Department of Geography, Rajeev Gandhi University Itanagar (27th to 29th Nov. 2014).
35. **Tantray, F.** Romshoo, S. A., **Chandra, R.**, 2014. Identifying extreme events from the climate indices over Kashmir Valley. Presented at ICRN Fifth National Research Conference on Climate Change held at IIT, Delhi (19th -20th December, 2014).
36. Kowser, N., Rashid, M., Dar, R. A. and **Chandra, R.**, 2015. Lithostratigraphic and micromorphological studies of loess-paleosol Quaternary sediments of the Dilpur Formation of the Khan-Sahib Section and its paleoclimatic implication Presented a paper in "National conference on climate change: past, present and future", organized by Department of Geology, Poona college, Pune, from 12th to 13th January, 2015)
37. Tantray, F., Romshoo, S. A. and **Chandra, R.**, 2015. Use of reconaissance drought index for evaluating drought characteristics and its effect on PET methods under climate change in Kashmir Valley: 1980-2012. Presented at 10th JKSC Conference 2015 organized by Jammu University, Jammu, J&K (14th to 16th March, 2015).
38. **Chandra, R.**, 2015. Paleoclimatic significance of loess-paleosol Quaternary sediments of Karewa Group. Paper presented **39th Orientation Course for Geologists (OCG), at Field Training Centre FTC**, Solan,. Organized by GSI Rajbagh, Srinagar, J&K (31st March, 2015).
39. 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 (18th to 19th August, 2015), 58-59pp.
40. Mir, R. R., Parvez, I. A., Gaur, V. K., Ashish, **Chandra, R.** and Romshoo, S. A., 2015. Modelling the crust beneath the Kashmir Valley in North-western Himalaya. Paper presented at **30th Himalayan-Karakoram-Tibet Workshop**, organized by Wadia Institute of Himalayan Geology, Dehradun, India (6th to 8th October, 2015), 15-16.
41. Rashid, M. and **Chandra, R.**, 2015. Tectonics and sedimentation of Saltoro Molasse of Shyok Suture Zone (SSZ) of Nubra Valley, Ladakh Trans-Himalaya and Karakoram, India. Paper presented at **30th Himalayan-Karakoram-Tibet Workshop**, organized by Wadia Institute of Himalayan Geology, Dehradun, India (6th to 8th October, 2015), 104-105.
42. Kowser, N. and **Chandra, R.**, 2015. Tectonic framework and geochemical characteristics of granitoids of Nubra-Shyok Valley, Ladakh Trans-Himalaya and Karakoram. Paper presented at **30th Himalayan-Karakoram-Tibet Workshop**, organized by Wadia Institute of Himalayan Geology, Dehradun, India (6th to 8th October, 2015), 239-240.
43. **Chandra, R.**, 2015. Tectonic framework and geological features of the northeastern Indian sector of Karakoram Orogen. Paper presented at three days **11th JK Science Congress on "Scientific, Social and economic dimensions of climate change"** organized by University of Kashmir, Hazaratbal, Srinagar J&K (12th-14th, October, 2015), 223.
44. Ahamd, I. and **Chandra, R.**, 2015. Paleoclimatic reconstruction of Kashmir Valley by using Loess-Paleosol sediments of Karewa Basin, J&K, India. Paper presented at three days **11th JK Science Congress on "Scientific, Social and economic dimensions of climate change"** organized by University of Kashmir, Hazaratbal, Srinagar J&K (12th-14th, October, 2015), 213.
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46. 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. Paper presented at three days **11th JK Science Congress on "Scientific, Social and economic dimensions of climate change"** organized by University of Kashmir, Hazaratbal, Srinagar J&K (12th-14th, October, 2015), 216-217.
47. Dar, T. A. and **Chandra, R.**, 2015. Joint set analysis of rocks of area around the Sinthan Top and its implications for Himalayan Tectonics. Paper presented at three days **11th JK Science Congress on**

- “**Scientific, Social and economic dimensions of climate change**” organized by University of Kashmir, Hazaratbal, Srinagar J&K (12th-14th, October, 2015), 221.
48. Quareshi, A., **Chandra, R.** and Borgaonkar, H. P., 2015. Tree-ring based paleoclimatic study of the Kashmir Himalaya: Current scenario and future prospects. Paper presented at three days **11th JK Science Congress on “Scientific, Social and economic dimensions of climate change”** organized by University of Kashmir, Hazaratbal, Srinagar J&K (12th-14th, October, 2015), 224.
 49. Tantray, F., **Chandra, R.** and Romshoo, S. A., 2015. The impact of PET methods on reconnaissance Drought Index. Paper presented at three days **11th JK Science Congress on “Scientific, Social and economic dimensions of climate change”** organized by University of Kashmir, Hazaratbal, Srinagar J&K (12th-14th, October, 2015), 265.
 50. **Chandra, R., 2016.** Presented a paper (oral) in "**National conference on Developments in Geosciences in the past decade-Emerging trends for the future & impact on society and Annual General meeting of the Geological Society of India**", on "Geoscientific characterization of Kashmir Valley with the objective of seismic hazard and risk assessment", organized by Department of Geology & Geophysics, Indian Institute of Technology, Kharagpur, from 21-10-2016 to 23-10-2016.
 51. **Chandra, R., 2016.** Presented a paper (oral) in "**International Conference on Emergence and Evolution of the Indian Fore Land Basin**, Sponsored by UGC & ONGC", on "Clay stratigraphy on loess-palaeosol sediments of Dilpur Formation of Karewas: Palaeoenvironmental inferences", organized by Centre of Advanced study in Geology, Punjab University Chandigarh, from 18-11-2016 to 19-11-2016.
 52. **Chandra, R., 2016.** Presented a paper (oral) in "**International Conference on Emergence and Evolution of the Indian Fore Land Basin**, Sponsored by UGC & ONGC", on "Lithostratigraphy and petrographic study of Saltoro Molasse sediments of Nubra Valley, Ladakh Himalaya, India", organized by Centre of Advanced study in Geology, Punjab University Chandigarh, from 18-11-2016 to 19-11-2016.
 53. **Chandra, R., 2017.** Presented a paper (oral) in "**12th JK Science Congress**", on "An Appraisal of Seismic Hazard and Vulnerability Assessment of Kashmir Valley, India", organized by University of Jammu, from 02-03-2017 to 04-03-2017
 54. **Chandra, R., 2017.** Presented a paper (oral) in "**12th JK Science Congress**", on "Petrology and geochemical characterization of Tirit Granitoids of Shyok Suture Zone (SSZ) of Nubra Valley, Ladakh Trans-Himalaya, J&K", organized by University of Jammu, from 02-03-2017 to 04-03-2017
 55. **Chandra, R., 2017.** Presented a paper (oral) in "**National seminar on Deccan Volcanism and basic events across the K/T Boundary & AGM-2017 of GSI**", on "Clay mineral of loess-palaeosol sediments of Dilpur Formation of Karewa: Palaeoenvironmental and Provenance studies", organized by Dept. of applied Geology, School of engineering and Technology, Dr. H. S. G. Viswavidhayalya, Sagar, MP, from 26-10-2017 to 28-10-2017
 56. **Chandra, R., 2017.** Presented a paper (poster) in "**Workshop on Geochronology**", on "High resolution 14C AMS ages (approx. 50 Ka) of organic matter associated with the loess-palaeosol Holocene-Late Pleistocene (8-130 Ka) zsediments of Dilpur Formation, Karewa Group, Kashmir, India", organized by Inter-University Accelerator Centre, IUAC, Aruna Asaf Ali Marg, New Delhi-110067, from 16-11-2017 to 17-11-2017
 57. **Chandra, R., 2018.** Presented a paper (poster) in "**13th J&K science Congress**", on "Geotechnical study of sediments of Srinagar City; Implications for seismic hazard Assessment of Kashmir valley, J&K, india.", organized by University of Kashmir, Hazaratbal, Srinagar, from 02-04-2018 to 04-04-2018
 58. **Chandra, R., 2018.** Presented a paper (oral) in "**13th J&K science Congress**", on "Seismic site characterization for hazard assessment based on empirically derived ground motion data of Srinagar city, Kashmir Valley, india.", organized by University of Kashmir, Hazaratbal, Srinagar, from 02-04-2018 to 04-04-2018
 59. **Chandra, R., 2018.** Presented a paper (poster) in "**13th J&K science Congress**", on "Estimation of building strength in different parts of Srinagar city using rebound hammer technique for seismic hazard assessment.", organized by University of Kashmir, Hazaratbal, Srinagar, from 02-04-2018 to 04-04-2018
 60. **Chandra, R. and Kousar, N., 2018.** Presented a paper (oral) in "13th J&K science Congress", on "Geochemistry of mafic dykes of tirit granitoids of Shyok Suture Zone (SSZ), nubra Valley, Ladakh Himalaya, India.", organized by University of Kashmir, Hazaratbal, Srinagar, from 02-04-2018 to 04-04-2018
 61. **Dar, T. A. and Chandra, R., 2018.** Presented a paper (oral) in "**National seminar on Geology and Climate of Himalaya (NSGCH)**", on "Tectonics and structural features of rocks around Sinthan top area

- (NWHimalaya) and its implications to seismotectonics", organized by Department of Geology, University of Jammu, Jammu, from 15-03-2018 to 16-03-2018
62. Meenakshi, Kumar, P., Shrivastava, J. P., **Chandra, R.**, Chopra, S., **2018**. Presented a paper (oral) in "**National seminar on Geology and Climate of Himalaya (NSGCH)**", on "High resolution 14C AMS ages (50ka) of organic matter associated with the loess-paleosol Holocene-Late Pleistocene (8-130ka) sediments of Dilpur Formation, Karewa Group, Kashmir, india", organized by Department of Geology, University of Jammu, Jammu, from 15-03-2018 to 16-03-2018
 63. **Chandra, R., 2018**. Presented a paper (poster) in "**National seminar on Geology and Climate of Himalaya (NSGCH)**", on "Geotechnical assessment of Kashmir Valley for sustainable development in the Himalayan region", organized by Department of Geology, University of Jammu, Jammu, from 15-03-2018 to 16-03-2018
 64. **Chandra, R., 2018**. Presented a paper (oral) in "Two days workshop on **“Seismic hazard and crustal deformation studies in Jammu and Kashmir** on 1st& 2nd August 2018", on "Geoscientific characterization of Kashmir Valley with the objective of seismic hazard and risk", organized by Department of Earth sciences, university of Kashmir, srinagar, from 01-08-2018 to 02-08-2018.
 65. Meenakshi, Kumar, P., Shrivastava, J. P., **Chandra, R.**, 2019..Evidences of Pedogenesis and Smectitization in Loess-Palaeosols of the Dilpur Formation, Kashmir, India: Late Quaternary Climatic Reconstruction. Indian Science Congress 2019 organised by Lovely Professional University, Phagwara, Jalandhar, Jan. 2019. DOI: 10.13140/RG.2.2.29960.26886
 66. Meenakshi, Kumar, P., Shrivastava, J. P., **Chandra, R.**, 2019. Palaeoclimatic reconstruction of Late Quaternary (8-130 ka) loess-palaeosols of the Dilpur Formation, Kashmir, India. March 2019. Conference: SEMINAR CUM WORKSHOP ON RECENT ADVANCES IN THE INDIAN EARTH SCIENCE, at Kumaun University, Nainital, Uttrakhand, March 2019.

(7). Supervision of M. Phil. / Ph. D. Thesis:

(a) Awarded: (03)

1. **Mr. Ishtiaq Ahmad** awarded **Ph. D. in Geology** from University of Kashmir, Srinagar on the topic “Geochemical study of loess-paleosol Quaternary sediments of Karewa Basin with reference to paleoclimate of Kashmir Valley, J&K, India” at KU, Srinagar in June, 2013.
2. **Mr. Reyaz Ahamd Dar** awarded **Ph. D. in Geology** to University of Kashmir on the topic “Tectono-geomorphic study of loess-paleosols in the Himalayan intermontane Karewa Basin of Kashmir Valley, J&K, India” under joint supervision with Prof. Shakil Ahmad Romshoo, HOD, Department of Earth Sciences, University of Kashmir, J&K, India KU, Srinagar in March, 2014
3. **Mr. Mujtuba Rashid** awarded **M. Phil. in Geology** on the topic “Tectonics and Sedimentation of Saltoro Molasse of Shyok Suture Zone (SSZ), Nubra Valley, Ladakh Himalaya (J&K), India” KU, Srinagar in Nov., 2015.
4. **Ms. Nazia Kowser** awarded **Ph. D. in Geology** on the topic “Tectonic Framework and Magmatic Evolution of Granitoids of Accreting Back-arc of Nubra-Shyok Valley, Ladakh Himalaya and Karakoram (J&K), India” KU, Srinagar in April, 2019.

(b) Submitted: (01)

- **Ms. Meenakshi** submitted **Ph. D. in Geology** at D. U. Delhi in Feb., 2019.

(c) Presently supervising: (04)

(8). Reviewed Research papers:

1. Journal of Geological Society of India, Bangalore
2. Journal of Indian Association of Sedimentologists.
3. Palaeobotanist
4. Himalayan Geology

(9). Life Memberships:

1. Geological Society of India (GSI)
2. Indian Geological Congress (IGC)

3. Indian Society of Geomatics (ISC)
4. Indian Society of Meteorology (ISM)