

BIO DATA**Dr. Sartaj A Ganie**

sartajsultan@gmail.com

Mobile. No:
+9199066808993

Permanent Address:

Village: Nillow
Distt: Kulgam
Kashmir (J&K) - 192231

Current Address:

Department of
Environmental Sciences,
Govt. Degree College
Kulgam, J&K, India -192231

Personal Data:

Sex: Male
Nationality: Indian
Marital Status: Married
D.O.B. : 09-11-1987

References:

- Dr. Shoukat Ara**,
Prof, Division of
Environmental Sciences,
SKUAST-Kashmir
E mail:
sartajsultan32@gmail.com
Contact No.:
+919906684137
- Dr. S. Jayakumar**
HOD, Professor, Department
of Ecology and
Environmental Science,
Pondicherry University
Kalapet, Puducherry,
605014E mail:
s.jkumar1@gmail.com
Contact No.: +91-
9443395463

Career Objective

- To work with an institution that provides me an opportunity to nurture and to make use of my potential to help the organization in the achievement of its goalmouth.

Current Status

- Lecturer (AA) in the discipline of Environmental Sciences, Govt. College for Woman ,Cluster University Srinagar .*
- Advisor cum state coordinator (wild life), JK, at ECOSGREEN global services*

Achievements and Education

- Post Graduate Diploma in Disaster Management (PGDDM) from IGNOU (2018)
- Doctorate** of Environmental sciences from Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir, India (OGPA= 8.31 /10) in the year 2017.
- Title of PhD thesis: **Paper Making and Dye Yielding potential of Selected Herbaceous and Arboreal Taxa of Kashmir valley.**
- Qualified **NET-2014 (ICAR)** in the discipline of Environmental Sciences.
- Bachelor of Education (B.Ed.) from University of Kashmir-India. (78.11%) in the year 2013.
- Master of Sciences in Ecology & Environmental Science from Pondicherry University, Pudicherry, India. (CGPA= 8.58/10) in the year 2012.
- Title of MSc. thesis: **Assessment of Heavy Metals in Soil and water at Kulgam and Srinagar Districts of Kashmir.**
- B. Sc. from University of Kashmir-India. (58.11%) in the year 2009.
- Higher Secondary part II (12th) examination from JKBOSE (53.83 %) in the year 2005.
- Secondary school examination (10th) from JKBOSE (61.20 %) in the year 2003.

Conferences, Seminars and Workshops	Certificates
	<ul style="list-style-type: none">• Participated in 4th International Conference on Recent Advances in Engineering Science and Management Held on 26, November 2017 at Institution of Electronics and Telecommunication Engineers, Chandigarh, India.• Participated in National Conference on Impact of Biomarkers for clinical and Environmental Application for sustainable development November 24-25, 2017 organized by Centre for Biotechnology and Bioinformatics (CBB), JNIAS Hyderabad.• Participated in National Conference on Climate Change and Sustainable Clean Environment November 22-23, 2017 Organized by School of Earth, Environment and Space Studies Central University of Haryana In Association with Ministry of Earth Sciences, GOI.• Participated in 2-Day National level seminar cum workshop on skill development in biotechnology on November 20-21, 2017 organized by Department of Biotechnology and Bioinformatics, Sri Pratap College, Cluster University Srinagar.• Participated in 10th International Conference on Science, Technology and Management ICSTM-17 organized by (IETE, Bengaluru) Institution of Electronics and Telecommunication Engineers, Ganganagar, Bengaluru, Karnataka, India 19th November 2017.• Participated in 12th International Conference on Recent Trends in Engineering, Science and Management (ICRTE SM-17) organized by Institution of Electronics and Telecommunication Engineers, Osmania University Campus, Hyderabad, India 19th November 2017.• Participated in National Symposium on Frontiers in Chemical Sciences (FICS-2017) organized by the Department of Chemistry, Govt. Degree College Sopore, India on November 4-5, 2017.

Certificates (Cont....2)

- Participated in two Day National Seminar on “Himalayan Biodiversity” organized by Centre for Kashmir Himalayan biodiversity: Documentation, Bio prospection & Conservation university of Kashmir, Srinagar-19006, J&K, 18th -19th September, 2017.
- Participated in One Day National Seminar on “Biodiversity and Climate Change: Challenges and Prospects” organized by Department of Environmental Science Sheikh-ul-Alam Memorial Degree College, Budgam, 26th October 2017.
- Participated in International Coastal cleanup organized by Ocean Conservancy Department of Ecology and environmental science, Pondicherry University, 26 September, 2012.
- Participated in Science Communication Workshop held at on 12th of May, 2015 at University of Kashmir, Srinagar.
- Participated in two day technology dissemination national level workshop on Application Of Natural Dyes In Handmade Paper Making held at KNHPI, Jaipur on 30th - 31st March 2015
- Participated in 3rd Jammu & Kashmir Agricultural Science Congress, Theme: Organic Agriculture Prospects in Jammu & Kashmir. J&K, 12-14, May, 2014 at SKUAST-K.
- Participated in National Seminar on National Development through Science and Technology organized by Indian Science Congress Association Srinagar Chapter University of Kashmir, Srinagar-190006 J&K, 25th-26th September, 2017
- Participated in A national seminar on climate change: its effects on the agriculture sector in India organized by Centre for resources development studies (CRDS) Bhopal, 19th & 20th December 2017.

Certificates (Cont....3)

- Participated 5th international conference on advance research in applied sciences, environment, agriculture and entrepreneurship development 4th-6th December, 2017, Bhopal, MP, India.
- Participated in one week winter workshop training on Research write up with latex organized by institute of technology, zakura campus, university of Kashmir from 8/2/2018 14/2 /2018.
- Participated in 5th J and K Woman science Congress (JKWSC 2018) Emerging trends in science: role of woman on 27th to 29th March, 2018 organized by Govt. College for Woman M. A. Road Srinagar, Cluster University Srinagar.
- Participated in 13th Jammu & Kashmir Science Congress, organized by University of Kashmir
- Participated in Animal Science Congress, Theme: horizons in zoological studies, 4-6, August, 2018 organized by department of zoology, University of Kashmir, Srinagar.
- Participated in 1st International Conference on Recent Developments in Science, Humanities and Management organized by Amar Singh College, Cluster university Srinagar, 17th -18th April 2018.
- Participated in National Symposium on Frontiers in Chemical Sciences (FICS-2017) organized by the Department of Chemistry, Govt. Degree College Sopore, India on November 4-5, 2017.
- Participated in international conference on resent trends in chemical Sciences organized by the school of studies in Chemistry, Jiwaji university Gwalior and UGC Delhi on February 15th -17th, 2018.
- Participated in 3-Day National level workshop on “Disaster Resilience of Kashmir in the face of Climate Change on 13th, 14th &15th of November, 2017 organized Department of Environmental Sciences, Abdul Ahad Azad Memorial Degree College Bemina,

Cont.....4

- Participated in National workshop on “remote sensing and GIS for natural resources and environmental management” organized by Department of environment and water management Sri Pratap College, Cluster University Srinagar on 23th -24th march 2018
- Participated in national Conference on “Recent innovations in Science, technology and engineering (RISTE 2017)” organized by National Institute of Technology (NIT), Hazratbal Srinagar, 16th December, 2017.
- Participated in national Conference on impact of environmental changes on Indian ecosystems organized by department of environmental sciences and limnology and university institute of technology, Barkatullah university, Bhopal, M.P 23-24 December, 2017.
- Participated in 3rd international research conference on ecotourism and environment organized by SKUAST Kashmir, Srinagar J&K, July 29-31, 2018.
- Participated in two day National conference on plant science research: current status & future challenges (NCPSCFC) Organized by Department of Botany University, College for Women, koti Hyderabad, Osmania University, 7-8 December 2017.
-

Publications	Published Articles
	<ol style="list-style-type: none"><li data-bbox="611 185 1481 360">1) Haq, S., Ara, S., Geelani, S. M., Bhatti, A. A., Bhat, R. A., Ganie, S. A., Bashir, I., Mehmood, M. A., Dervesh, M. A. and Ahmad, M. A. 2016. Assessment of surface and ground water for irrigational purposes. <i>International Journal of Applied and Pure Science and Agriculture</i> 02(02): 190-194.<li data-bbox="611 367 1481 618">2) Ganie, S. A., Ara, S., Mehmood, M. A., Aggarwal, S. and Jain, R.K. 2016. Characterization and Evaluation of Datura Stramonium Stalks as an Alternative Non Wood Raw Material for Paper Production using Soda Pulping. <i>International Journal of Engineering Research & Technology</i> 11(05): 194-199.<li data-bbox="611 624 1481 831">3) Ganie, S. A., Ara, S., Aggarwal, S., Mehmood, M. A. and Haq, S. 2016. Alkaline Peroxide Pulping of <i>Datura stramonium</i> Stalks- A Renewable Source of Fibres for Pulp and Paper in Kashmir Himalaya. <i>International Journal of Applied and Pure Science and Agriculture</i> 02(11): 74-81.<li data-bbox="611 837 1481 981">4) Ganie, S. A., Agarwal, S. and Mehmood, M. A. 2017. Impact of natural dye Nasturtium officinale R. Br. on nonwood paper properties. <i>International Journal of Advance Research in Science and Engineering</i> 06 (11): 913-922.

Publications	Published Articles (Cont...)
	<p>5) Mehmood, M. A., Shafiq-ur-Rehman., Rashid, A., Ganie, S. A., Haq, S. and Sherwani, A. 2016. Impact of September 2014 Floods on Sediment Quality of Himalayan Jhelum River Kashmir. <i>International Journal of Engineering Research & Technology</i> 05(12): 233-243.</p> <p>6) Mehmood, M. A., Shafiq-ur-Rehman., Ganie, S. A., Rashid, A. and Sherwani, A. 2016. Pre and Post Flood Variation in Hydrochemistry of River Jhelum during Kashmir Floods 2014. <i>International Journal of Current Research</i> 08(12): 44051-44060.</p> <p>7) Mehmood, M. A., Shafiq-ur-Rehman., Ganie, S. A., Rashid, A. and Bhat, R. A. 2017. Assessment of Heavy Metals in Surface Sediments from River Jhelum of Kashmir Valley, India. <i>Journal of Chemical, Biological and Physical Sciences, Section-D, Environmental Sciences</i> 07(01): 116-132.</p> <p>8) Mehmood, M. A., Shafiq-ur-Rehman., Rashid, A., and Ganie, S. A. 2017. Spatio-Temporal Changes in Water Quality of Jhelum River, Kashmir Himalaya. <i>International Journal of Environment and Bioenergy</i> 12 (01): 01-29.</p> <p>9) Mehmood, M. A., Shafiq-ur-Rehman., Ganie, S. A., Rashid, A. and Bhat, R. A. 2016. Seasonal and Spatial Assessment of Surface Sediments Collected from River Jhelum of Kashmir valley. <i>Bulletin of Environment, Pharmacology and Life Sciences</i> 06 (01): 43-51.</p> <p>10) Mehmood, M. A., Shafiq-ur-Rehman., Rashid, A., and Ganie, S. A. 2017. Environmental Exposure and Hazards of Arsenic: A Review. <i>International Journal of Engineering Research & Technology</i> 06(04): 23-30.</p> <p>11) Mehmood, M. A., Shafiq-ur-Rehman., Ganie, S. A., Rashid, A. and Bhat, R. A. 2017. Seasonal and spatial variation in bioaccumulation of heavy metals in two commercial fish species from river Jhelum of Kashmir valley. <i>International Journal of Current Advanced Research</i> 06(07): 4650-4658.</p> <p>12) Gulzar, A., Mehmood, M. A. Bhat, R. A. and Ganie, S. A. 2017. Assessment of ground water quality in Anantnag district of Kashmir Valley (J&K). <i>Asian Journal of Science and Technology</i> 08(09): 5803-5811.</p>

Publications	Published Articles (Cont....)
	<p>13] Ganie, S. A., Aggarwal. S. and Mehmood, M. A. 2017. Extraction, Application, Chemical Characterization of Natural Dye from <i>Calendula officinalis</i> L. <i>International Journal of Advance Research in Science and Engineering</i> 6(11): 1357-1363.</p> <p>14] Ganie, S. A., Aggarwal. S. and Mehmood, M. A. 2017. Dye yielding potential of <i>Prunus cerasifera</i> var. <i>Atropurpurea</i> in papermaking: A way forward towards Eco friendliness <i>International Journal of Advance Research in Science and Engineering</i> 6(11): 1738-1746.</p> <p>15] Ganie, S. A., Aggarwal. S., Mehmood, M. A. and Bhat, R. A. 2017. Exploration and Feasibility of Non-Wood Herbaceous Weed as a Raw Material for The Production of Alkaline Sulphite Cellulosic Pulp for Paper Making. <i>Asian Journal of Science and Technology</i> 8(11): 6545-6549.</p> <p>16] Ganie, S. A., Ara, S., Aggarwal. S., Mehmood, M. A. and Mir, S. A. 2017. Paper making potential of <i>Amaranthus hybridus</i> stalks; Sustainable raw material in paper industries. <i>Asian Journal of Journal of Science and Technology</i> 6(6): 2096-2100.</p>
Publications	Published Articles (Cont....)
	<p>17] Mehmood, M. A., Ganie, S. A., Bhat, R. A., and Rashid, A. Shafiq-ur-Rehman., Dar, G. H and Gulzar, A. 2018. Assessment of Some Trace Elements and Heavy Metals in river Jhelum of Kashmir Valley. <i>International Journal of Theoretical & Applied Sciences, Special Issue on Environmental-Contaminants-and management effects</i> 9(2): 27-31.</p> <p>18] Ganie, S. A., Ara, S., Agarwal, S and Mehmood, M. A. 2018. Assessment of Pulp Quality of <i>Datura Stramonium</i> Stalks as Raw Material for the Manufacture of Ecological Packaging. <i>International Journal of Theoretical & Applied Sciences, Special Issue on Environmental-Contaminants-and-Management Effects</i> 9(2): 35-40.</p> <p>19] Mehmood M. A., Ganie, S. A. and Qadri, H. 2018. Municipal Solid Waste a Potential Bioenergy Source: A brief review. <i>International Journal of Advance Research in Science and Engineering</i> 7(04): 294-299.</p> <p>20] Gulzar A., Ganie, Mehmood M. A., Ganie, S. A. and Showqi, I. 2018. A Brief Review on Global Warming and Climate Change: Consequences and Mitigation Strategies <i>International Journal of Advance Research in Science and Engineering</i> 7(04): 2146-2156.</p> <p>21] Ganie, S. A. Ara, S. Agarwal, S. and Mehmood, M. A. 2018. Isolation and characterization of lignocellulose fibers from <i>Datura sramonium</i> pulps. <i>International Journal of Current Advanced Research</i> 7(4): 1858-1867.</p>

Publications	Published Articles (Cont....)
	<p>22] Ganie, S. A., Reddy, M. V., Mehmood, M. A., Qadri, H., Bhat. R. A., Rashid, A., Dar, G. H. and Gulzar, A. 2018. Assessment of Essential and Trace Elements in Soil Profiles of Paddy Fields of Southern District of Kashmir Himalaya. <i>International Journal of Engineering Research & Technology</i> 7(5): 599-603.</p> <p>23] Singh, D. V., Bhat, R. A., Bhat, J. I.A., Dervaish, M.A., Ganie, S. A., 2018. Vehicular stress a cause for heavy metal accumulation and change in physico-chemical characteristics of road side soils in Pahalgam. <i>Environ Monit Assess</i> (190):353</p> <p>24] Mehmood, M. A., Qadri H., Bhat. R. A., Rashid, A. Ganie, S. A., Dar, G. H. and Shafiq-ur-Rehman. 2019. Heavy metal contamination in two commercial fish species of a trans-Himalayan freshwater ecosystem <i>Environ Monit Assess</i> 191:104.</p>

Publications	Abstracts Published
	<ul style="list-style-type: none"> • Ganie, S. A., Ara, S., Aggarwal, S., Mehmood, M. A., Geri, I. M., and Mir, S. A. 2017. Evaluation of chemical composition composition and pulp characterization of <i>Amarathus hybridus</i> stalks- a non-wood herbaceous species for paper making in Kashmir, India. p. 142. In: National seminar on Himalayan biodiversity organized by center for Kashmir Himalayan biodiversity: documentation & bio prospection university of Kashmir, Srinagar-190006, J&K, India in collaboration with UGC, DST, DBT. 18-19 September, 2017. • Ganie, S. A., Ara, S., Aggarwal, S., Mehmood, M. A., Haq, S. and Dar, Z. A. 2017. Herbaceous plant: An alternative to woody plants for paper making to combat climate change. Pp. 93-94. In: one-day national seminar on biodiversity and climate change: challenges and prospects. Organized by Department of Environmental Science Govt. Sheikh Ul Alam Memorial SAM Degree College, Budgam 26 October, 2017. • Ganie, S. A., Ara, S., Aggarwal, S., Mehmood, M. A. and Mir, S. A. 2017. Extraction of natural dye from <i>Prunus cerasifera</i> var. <i>atropurpura</i> and its application on alkaline peroxide paper. P. 179. In: 3- day National workshop on “Disater Resilience of Kasmir in the Face of Climate Change” Department of Environmental Science Abdul Ahad Azad Memorial Degree College, Bemina Cluster university Srinagar 13-15 November, 2017. • Ganie, S. A., Ara, S., Aggarwal, S., Mehmood, M. A., Haq, S. and Dar, Z. A. 2017 <i>Amaranthus hybridus</i> an Alternative Non-Wood Fiber Material in Paper Industry to Overcome Climate Change Problem. P. 28. In: National conference on climate change and sustainable clean development organized by School of Earth, Environment and Space Studies Central University Haryana Mahindergrah, 22-23 November, 2017.

Cont..... abstracts

- **Ganie, S. A.,** Ara, S., Aggarwal, S. and Mehmood, M. A. 2017. Bio prospecting of non-wood floral biodiversity for paper production with special reference to Kashmir Himalaya. pp. 54-55. **In:** in two day National conference on plant science research: current status & future challenges (NCPSCFC) Organized by Department of Botany University, College for Women, koti Hyderabad, Osmania University, 7-8 December 2017.
- **Ganie, S. A.,** Ara, S., Aggarwal, S., Mehmood, M. A., Haq, S. and Bhat, R. A. 2018. *Callandula officinalis* L.: An Ecological Cradle of Natural Colorant for non-wood herbaceous paper. pp. 146. **In:** 5th J&K Women Science Congress (JKWSC) on "Emerging Trends in Science: Role of Women" Organized by Govt. College for Women, Cluster University Srinagar, 27-29 March, 2018.
- **Ganie, S. A.,** Ara, S., Aggarwal, S. and Mehmood, M. A. 2018. Non-Wood Floral Biodiversity in Kashmir Valley for Paper Making to Combat Negative Impact on Forest Resources. pp. 883. **In:** Proceedings of the 13th Session of J&K Science Congress Organized by University of Kashmir, Srinagar 2-4 April, 2018.
- **Ganie, S. A.,** Ara, S., Aggarwal, S. and Mehmood, M. A. 2018. Blending of non-wood herbaceous species pulps for elevation of strength paper properties. pp. 109 **In:** 3rd international research conference on ecotourism and environment organized by SKUAST Kashmir, Srinagar J&K, July 29-31.
- **Ganie, S. A.,** Ara, S., Aggarwal, S. and Mehmood, M. A. 2018. Role of *Datura stramonium* stalks as substitute fiber material in paper production in combatting Climate Change. pp 274. **In** Animal Science Congress, Theme: horizons in zoological studies, organized by department of zoology, University of Kashmir, Srinagar, 4-6, August.
- Dar, Z. A., Mir, S. A., Beigh, B. A., Qadri, H., Haq, S., **Ganie, S. A.,** Bhatti, A. A., Amin, A. 2017. Impact of biotic stress on forest soil of Hirpora wild life sanctuary Kashmir, Himalya. pp 83. **In:** national Conference on impact of environmental changes on Indian ecosystems organized by department of environmental sciences and limnology and university institute of technology, Barkatullah university, Bhopal, M.P 23-24 December, 2017.
- Dar, Z. A., Bhat, J. I. A., Haq, S. and Ganie, S. A. 2017. Kashmir Flood 2014: Challenges and Solutions. p. 52. **In:** one day national seminar on biodiversity and climate change: challenges and prospects. Organized by Department of Environmental Science Govt. Sheikh Ul Alam Memorial SAM Degree College, Budgam 26 October, 2017.

	<p>Abstracts cont.....</p> <ul style="list-style-type: none"> • Bhat, R. A., Beigh, B.A., Ganie, S. A., Aslam, M., Mehmood, M. A., Dar, G. H. 2017. Impact of climate change on agriculture and its productivity. 2017. pp In: national seminar on climate change: its effects on the agriculture sector in India organized by Centre for resources development studies (CRDS) Bhopal, 19th & 20th December, 2017. • Ganie, S. A., Ara, S., Aggarwal, S. and Mehmood, M. A. 2018. Exploration of non-wood floral biodiversity for Paper Production to diminution adverse sway of climate change on indigenous tribal people in national Organized by Department of Zoology and Environmental Sciences Govt. Degree College Bijbehara, 8-9 October 2018.
Books	<p>Published Books (National and International)</p> <ol style="list-style-type: none"> 1) Ganie, S. A., Rashid, A. and Mehmood. M. A. and 2018. Hydro-geological Assessment of Heavy Metals in Kashmir Himalaya. <i>Lambert Academic Publishing Heinrich-Bocking-Strage 6, 66121 Saarbrucken, Germany</i> (ISBN: 978-3-659-60745-5) 2) Rashid, A., Mehmood. M. A. and Ganie, S. A. 2018. Limnological Study of Dal Lake and Bellandur Lake: A brief comparison. <i>Lambert Academic Publishing Heinrich-Bocking-Strage 6, 66121 Saarbrucken, Germany</i> (ISBN: 978-3-330-06807-0)
Awards	<p>(National and International)</p> <ul style="list-style-type: none"> • Awarded with MANF Merit Junior Research Fellowship (JRF) by University Grants Commission (Government of India) for Doctoral Programme. • Awarded with National Service Scheme Volunteer certificate by NSS cell cum SKUAST-K after successfully completing the NSS course of 120 hours during spring semester of Doctoral Programme (2013). • Awarded with best paper award at RISTE (NIT SRINAGER J&K)
Experience	<p>Research Experience</p> <ul style="list-style-type: none"> • Training course on Paper Making and Dye Yielding potential of Selected Herbaceous and Aboreal Taxa of Kashmir valley from 1st Sept, 2014 to 30th March, 2015 at KNHPI Jaipur <p>Teaching Experience</p> <p>Lecturer (Academic Arrangement) in Environmental Science at Govt. Degree College Kulgam (17-04-2017to 28-12-2020).</p>

	Guest Lecture
	Impact of pesticides on environment and mitigation thereof at KVK Kulgam under project titled pesticide risk reduction through development of model villages in southern Kashmir valley funded by national council for science technology and communication DST, New Delhi
	Extension Trainings and Lectures
	Demonstration of application of natural dyes on paper at SKUAST Kashmir on occasion of kisan mela to Farmers and youth on 19-10-2014. Demonstration of preparation of paper from non-wood plant species at SKUAST Kashmir on occasion of kisan mela to Farmers and youth on 19-10-2014. Role of Genetically Engineered Microbes In Environmental Protection: Future Prospects and Challenges (SKUAST K). Industrial Ecology: Potential Umbrella For Sustainable Development (SKUAST K).
	Radio talks
	Paper making and dyeing as an ecofriendly approach for environmental conservation. 07-12-2016. (Radio Kashmir Srinagar).
Research Activities	Journal Reviewer
	<ul style="list-style-type: none"> •International Journal of Engineering Research and Technology (Registration No: IJERTREW2486)
Skills	Computer Knowledge/Softwares
	<ul style="list-style-type: none"> •MS-word, Excel, Power point and Internet surfing. •Statistical Softwares like R-Software, OP-STAT.
Projects	Research Proposals Submitted to SERB
	Assessment Of Paper Making Potential of Selected Herbaceous Species of Himalayan Kashmir Using Biotechnological Approach (Reference No : 252018005416)
Membership	Academic and Research
	<ul style="list-style-type: none"> •Associated with the evaluation of UG programe in the subject of Environmental science at Kashmir university

I hereby acknowledge that the above information is true to the best of my knowledge.

(Sartaj A Ganie)