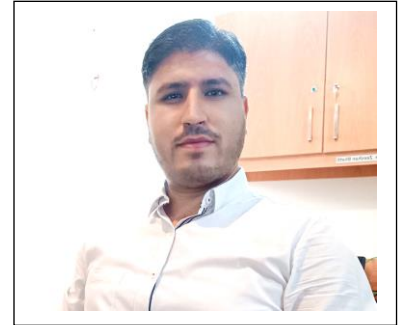


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### **Selected publications**

- Shah S. A.**, Sultan A, Wen J, Ullah Z, Nisa S. U, Ren Z, Alam M. M, Iqbal J, Mumtaz A. S. (2021). Taxonomy of *Vincetoxicum* s. str. (Asclepiadoideae, Apocynaceae) from southern Asia including three new species and resurrected names. *PhytoKeys* 179: 35-73.  
DOI: <https://dx.doi.org/10.3897/phytokeys.179.62514>
- Shah, S.A.**, Sultan, A., Wen, J., Nisa, S.U., Su, X., Iqbal, J. And Mumtaz, A.S., 2018. *Vincetoxicum luridum* (Asclepiadeae, Asclepiadoideae, Apocynaceae), a new and long misunderstood endemic species from Balochistan, Pakistan. *Phytotaxa*, 357(2), pp.117-125.  
DOI: <https://doi.org/10.11646/phytotaxa.357.2.4>
- Shah, S.A.**, Shah, N.A., Ullah, S., Alam, M.M., Badshah, H., Ullah, S. and Mumtaz, A.S., 2016. Documenting the indigenous knowledge on medicinal flora from communities residing near Swat River (Suvastu) and in high mountainous areas in Swat-Pakistan. *Journal of ethnopharmacology*, 182, pp.67-79.  
DOI: [10.1016/j.jep.2016.02.008](https://doi.org/10.1016/j.jep.2016.02.008)
- Shah S.A.** and Ahmad, M., 2014. Reassessing palynological characters in the subfamilies Periplocoideae and Asclepiadoideae (Apocynaceae): taxonomic and evolutionary implications. *Palynology*, 38(2), pp.224-234.  
DOI: <https://doi.org/10.1080/01916122.2014.893264>
- Ali, S., Khan, M.R., **Shah, S.A.**, Batool, R., Maryam, S., Majid, M. and Zahra, Z., 2018. Protective aptitude of *Periploca hydaspidis* Falc against CCl 4 induced hepatotoxicity in experimental rats. *Biomedicine & Pharmacotherapy*, 105, pp.1117-1132.  
DOI: <https://doi.org/10.1016/j.biopha.2018.06.039>

Google Scholar link: <https://scholar.google.com/citations?user=1A0BkvEAAAAJ&hl=en>

### **Conferences**

- Presenter in the 5th international conference on “advances in biosciences: bridging the gap between research and sustainable development goals” University of Swat (may 24-26, 2022)
- Presenter in the national conference titled “Meeting of The Minds” organized by National Academy of Higher Education, February 10<sup>th</sup> 2022
- Presenter in the Fourth International Conference on Biosciences (ICBS-2021) Organized by Botanical Society of Pakistan (BSP).
- Presenter in the 2nd International Conference “Conservation of Medicinal and Aromatic Plants for Improving the Livelihood of Mountain Communities through Industrial Linkages” of Swat University, September 2018

## Research Projects

S. No	Title	Grant name	Funding agency	Role	Amount (PKR)	Status
1.	Medicinal plant resources of Pakistan: generation of geo-taxonomic informatics and establishment of herbarium, and identification facility at NUMS	Start-Up Research Grant Program (SRGP)	Higher Education Commission of Pakistan	PI	1 million	Ongoing
2.	A Pilot Study to Chemically Characterize and Assess the insecticide Activity of <i>Citrus colocynthis</i> against Important Insects (Agriculture Pests and Insect Vectors) of Pakistan	Institutional Research Fund (IRF)	NUMS	Co-PI	0.7 million	Ongoing
3.	Monitoring the scientific authenticity in medicinal plants research: challenges and guidelines	Institutional Research Fund (IRF)	NUMS	PI	0.5 million	Ongoing

## Other achievements

- Trainee in the National Faculty Development Program (NDFP) conducted by National Academy of Higher Education (NAHE; HEC | April – May 2020.
- HEC Approved PhD Supervisor, 2021.
- Smithsonian fellow under the IRSIP of HEC at the National Herbarium of USA (US), Department of Botany, NMNH, Smithsonian Institution; Washington DC, USA| 2016-17.

## Major research achievements

- Taxonomy of genus *Vincetoxicum* from southern Asia and **discovery of five new plant species for science**
  - *Vincetoxicum lenifolium* S.A. Shah
  - *Vincetoxicum luridum* Stocks ex S.A. Shah
  - *Vincetoxicum royleanum* sp. nov.
  - *Vincetoxicum stewartianum* S.A. Shah
  - *Vincetoxicum subcanescens* S.A. Shah and A. Sultan
- Published **six new plant records** for the Flora of Pakistan
  - *Psilotum nudum*
  - *Salvia reflexa*
  - *Vincetoxicum kenouriense*
  - *Anredera cordifolia*
  - *Oenothera laciniata*
  - *Dentella repens*
- **Excluded four plant species from the flora of Pakistan.**
- **Establishment of Herbarium** (as PI of the SRGP project) at National University of Medical Sciences.