

CURRICULUM VITAE

Dr. SAJAD AHMAD LONE

Ph.D/SET/NET-JRF/B.Ed.

ASSISTANT PROFESSOR BOTANY

Government Degree College, Uri-Baramulla

Higher Education Department, J&K (JKHED)

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Google Scholar ID: <https://scholar.google.com/citations?user=6dU5tf>

ResearchGate ID: <https://www.researchgate.net/profile/Sajad-Lone-2>

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ORCID: <https://orcid.org/0000-0002-7146-4713>



Permanent address: Nehalpora, Pattan (193121), Baramulla (J&K), INDIA.

ALMA MATER/ACADEMIC QUALIFICATIONS

Primary Education: Govt Boys Primary School Nehalpora (Class 1-5th between 1992 to 1996).

High Schooling: Govt High School Nehalpora (Class 6th to 10th between 1997 to 2001).

#Higher Secondary Education: Govt Higher Secondary School Pattan (2002-2003).

βCollege Education: Govt Degree College (Boys) Baramulla (2004-2006).

®University Education: University of Kashmir (2008-09).

Bachelor of Education : Directorate of Distance Education, University of Kashmir (2010-2011)

®®Ph.D: CSIR Lab- Indian Institute of Integrative Medicine (2012 till 2017)

Degree	Year	Subject	University/Institution	% of marks
#12 th	2003	ENG, PHY, CHEM, BIO	G.H.S.S Pattan (J&KBOSE)	61.33 1 st division
βB.Sc	2006-07	ENG, CHEM, ZOO, BOT (I st topper in BSc (68.66%))	Govt Degree College Baramulla	63.27 1 st division
®M.Sc	2008-09	BOTANY	Kashmir University	69.76 1 st division
B.Ed	2010-11	EDUCATION	Kashmir University	76.69 Distinction
®®Ph.D	2012-17	BOTANY	CSIR-IIIM/AcSIR	7.31 CGPA

COMPETITIVE EXAMS QUALIFIED

Name of Entrance Exam	Agency	Year
Entrance Exam for admission to MSc Botany & EVS	Kashmir University	2008
State Eligibility Test (SET) J&K; State topper Roll no: 1925203	Jammu University	2010
Junior Research Fellowship (JRF) and National Eligibility Test (NET) AIR:65 . Roll no: 377941 https://csirhrdg.res.in/Home/Index/1/Default/3376/117	Joint CSIR-UGC	June 2011
Assistant Professor Botany in JKHED (Rank 1-UT J&K Topper in Entrance Exam) JKPSC: https://shorturl.at/sBGAY	JKPSC	17-10-2023

M.Sc SPECIALIZATION: PLANT TAXONOMY/SYSTEMATICS & DIVERSITY.

THESIS TITLE: Molecular, Phytochemical and Cytological characterization of *Epimedium elatum* (Morr & Decne):- a rare high altitude medicinal plant from Northwestern Himalayas in India.

THESIS SUPERVISOR(S):

- **Dr.Qazi Parvaiz Hassan** (CSIR- Indian Institute of Integrative Medicine, Srinagar, J&K, India. PROFILE LINK: <https://iiim.res.in/people-iiim/4427/>)
- **Dr. Suphla Gupta** (CSIR- Indian Institute of Integrative Medicine, Jammu, J&K, India. PROFILE LINK: <https://iiim.res.in/people-iiim/4220/>)

YEAR OF AWARD: 08th May 2018 (Viva date: 09/04/2018)

AWARDING AGENCY: CSIR-IIIM JAMMU & KASHMIR

(<https://iiim.res.in/>) and AcSIR (<https://acsir.res.in/>).

NIRF Rank of AcSIR: 13th (Year 2024 in INDIA) <https://acsir.res.in/ranking/>

AcSIR Rank in Scimago institutions: 3rd

AcSIR Rank in NATURE INDEX: 11th

RESEARCH WORK/TEACHING EXPERIENCE

POSITIONS HELD	INSTITUTION	FROM	TO
Junior Research Fellow(JRF)	CSIR-IIIM Jammu	16/01/2012	15/01/2014
Senior Research Fellow (SRF)	CSIR-IIIM Jammu	15/01/2014	15/01/2017
TEACHING EXPERIENCE AT UG & PG LEVEL=> 9.5 YEARS			
Lecturer Botany	GDC Pattan	04/05/2017	05/09/2017
Assistant Professor (c) (FIP)	GWC Nawakadal, Srinagar	05/09/2017	02/05/2019
Lecturer Botany	GDC Sopore	11/04/2020	26/12/2020
Guest Faculty	Central University Kashmir	14/01/2021	31/01/2021
Assistant Professor (c)	Central University Kashmir	01/02/2021	15/02/2022
Assistant Professor (c)	Central University Kashmir	07/03/2022	31-12-2022
Assistant Professor (c)	Central University Kashmir	01/02/2023	31-12-2023
Assistant Professor (c)	Central University Kashmir	01-01-2024	16-08-2024
Assistant Professor Botany	Govt College of Edu. Sgr	17-08-2024	03-09-2024
Assistant Professor Botany	Islamia College Srinagar	04-09-2024	26-02-2025
Assistant Professor Botany	GDC Uri	27-02-2025	Till date

- Shortlisted for Accounts Assistant, Education Department, district Baramulla 2009-2010.
- Appeared in Teacher Interview district Baramulla 2013-2014.
- Shortlisted & Appeared in JKPSA Assistant Professor Botany Interview 2017.
- Qualified written Entrance exam and appeared in Interview for JKPSA 10+2 Botany lecturership 2017.
- More than 3 years of teaching experience@Biology at High School level. 2007, 2010, 2011.
- 2 years of coaching experience in NEET.
- Approximately 6 years of teaching experience @ **BOTANY** at **UG level** in **HIGHER EDUCATION DEPARTMENT** in J&K, India.
- 4.5 year's of teaching @ **BOTANY** at **M.Sc level (P.G)** in **Department of Plant Sciences (Botany)**, School of Life Sciences, Central University of Kashmir (J&K), India & Department of Botany, **ISLAMIA COLLEGE, SRINAGAR.**

PROFESSIONAL AWARDS:

- Qualified **Junior Research Fellowship** of UGC-CSIR, Govt of India.
- Qualified **Senior Research Fellowship** of UGC-CSIR, Govt of India.
- **Awarded best oral presentation. In International Conference** on Recent trends in Bioinformatics and Biotechnology for sustainable development, October 12-13, 2017 at SKUAST Jammu. **Sajad Ahmad Lone**, Saleem Mushtaq, Qazi Parvaiz Hassan, Suphla Gupta. *Assessment of Genetic diversity by DNA Fingerprinting in Epimedium elatum (Morr & Decne)—An important aphrodisiac medicinal plant of Northwestern Himalayas in India.*

LANGUAGES

KASHMIRI, URDU, ENGLISH. Good writing and communication skills in English.

HOBBIES

- Reading, Writing, Watching sports (Cricket, Football).
- Spending time with family & friends.

CO-CURRICULAR ACTIVITIES:

- Played in Botany Department cricket team, University of Kashmir 2009.
- **Captain of winning team** in the cricket tournament 'CSIR Foundation Day Celebration 2016-17.

COMPUTER SKILLS:

- Microsoft office (MS Word, MS PowerPoint, MS excel etc), Adobe Photoshop, Google Earth.
- Internet browsing skills
- Literature Review of Scientific problems.
- Drawing & Design of distributional/geographical maps through Google Earth Software
- Generation of Dendrograms through POPGENE SOFTWARE (Genetic diversity data).
- Operational Skill in MEGA-X Software (Generation of Phylogenetic Trees).
- Operational Skill in Chromatogram Interpretation (Chromas/FinchTV/4PEAKS etc).
- Operational Skill in calculation of alpha, beta diversity indices via PAST4 Software.
- Operational skill in RUNNING of SAMARTH PORTAL (CUET Admissions).
- Operational skill in running NCBI portal for species identification through barcode sequences

RESEARCH INTERESTS: Plant Taxonomy, Plant Molecular Systematics (DNA barcoding, DNA Fingerprinting & Phylogenetic analysis of Medicinal plants); Phytochemical Screening & Chemoprofiling of medicinal plants; Cytology.

RESEARCH SKILLS:

Plant Taxonomy: Medicinal plant explorations or collection of Germplasm, Basic plant identification skills, herbarium techniques, germplasm establishment, transplantation (in genebanks), Common garden experiments, medicinal plant cultivation, green & polyhouse maintenance, Botanical garden care.

Cytogenetics: Handling of different advanced compound microscopes, preparation of fixatives, bud fixation, staining, acetocarmine smearing technique, analysis of meiotic abnormalities & their interpretation.

Plant Molecular Biology Techniques: Collection of experimenting plant material, Preparation of reagents, Manual DNA isolation, DNA dilution, DNA quantification, RNA isolation, PCR

troubleshooting, **DNA fingerprinting** of medicinal plants (RAPD & ISSR molecular markers), Gel scoring & analysis, Dendrogram construction via PAUP, **DNA barcoding** of medicinal plants, PCR gel elution, Agarose gel electrophoresis, Preparation of PCR products for DNA sequencing, BLAST, Sequence identification, Sequence Annotation, Sequence submission to NCBI & BOLD, Analysis of Nucleotide Sequence diversity via MEXA X(10) software.

Phytochemical Screening: Preparation of extracts, Solvent Extraction, Rotavapour handling, Paper Chromatography, Preparation of samples for HPLC, GCMS, LCMS, Analysis and Interpretation of phytochemical results. Anti-oxidant screening of medicinal plants (DPPH & FRAP), Chemoprofiling of medicinal plants.

Plant Tissue Culture Techniques: Sterilization, media & solution preparation, culturing, *in vitro* regeneration of medicinal plants etc).

Plant Ecology: Basic quadrat based phytosociology skills, calculation of alpha, beta diversity indices via PAST Software.

RESEARCH PUBLICATIONS LIST

Author(s)	Title	Name of Journal/ISSN	Abstracting & Indexing	Vol	Page	Year
Sajad A Lone , Qazi Pervaiz Hassan, Suphla Gupta	Development of DNA barcode for rapid identification of <i>E. elatum</i> from NW Himalayas https://www.sciencedirect.com/science/article/abs/pii/S2214786119300889 IF:3.6	Journal of Applied Research on Medicinal & Aromatic Plants 2214-7861 Elsevier	Science Citation Index Expanded Current Contents - Agriculture, Biology & Environmental Sciences Scopus	13	100205	May 2019
Sajad A Lone , M Kushwaha, A Wani, A Kumar, A Gupta, Q Parvaiz, S, Chandra, S Gupta	Genetic diversity, LCMS based chemical fingerprinting and antioxidant activity of <i>Epimedium elatum</i> Morr & Decne https://www.sciencedirect.com/science/article/abs/pii/S2214786116300912 IF:3.6	Journal of Applied Research on Medicinal & Aromatic Plants 2214-7861 Elsevier	Science Citation Index Expanded Current Contents - Agriculture, Biology & Environmental Sciences Scopus	5	72-81	2018
Sajad A Lone , QP Hassan, S. Gupta, S. Mushtaq, P Sultan, YS Bedi	Morphological studies and meiotic chromosome analysis of <i>E. elatum</i> (Morr & Decne) – Rare endemic medicinal plant of NW Himalayas https://updatepublishing.com/journal/index.php/cb/article/view/3152	Current Botany/ 2220-4822 TathQeef Scientific Publishing	ICI, DOAJ, AGRIS (FAO) etc UGC approved (9022) UGC CARE approved	8	81-91	2017
Mushtaq, S., Aga, M. A.,	Isolation, characterization and	Journal of				

Qazi, P. H., Ali, M. N., Shah, A. M., Sajad A Lone & Shah, Z. H.	HPLC quantification of compounds from <i>Aquilegia fragrans</i> Benth: Their in vitro antibacterial activities against bovine mastitis pathogens. https://www.sciencedirect.com/science/article/abs/pii/S0378874115302415 IF:5.195	ethnopharmacology ISSN: 0378-8741 Elsevier	Science Citation Index Scopus PubMed/Medline	17 8	9-12	2016
Mushtaq S, Shah A, Shah A, Sajad Lone , Hussain A, Hassan P, N Ali	Bovine mastitis: An appraisal of its alternative herbal cure https://www.sciencedirect.com/science/article/abs/pii/S088240101731063X?via%3Dihub IF:3.84	Microbial Pathogenesis 0882-4010 Elsevier	Web of Science Scopus PubMed/Medline	11 4	357-361	2018
Sajad A Lone , QP Hassan, S Gupta	Genetic diversity of Epimedium elatum (Morren & Decne) revealed by RAPD characterization https://updatepublishing.com/journal/index.php/cb/article/view/3843	Current Botany 2220-4822 TathQeef Scientific Publishing	ICI, DOAJ, AGRIS (FAO) etc UGC approved (9022) UGC CARE approved	9	41-46	2018
Sajad A Lone , Saleem Mushtaq, Qazi Pervaiz Hassan, Suphla Gupta	Dwindling status of Epimedium elatum (Morren & Decne) and its Geographical distribution in Kashmir Himalaya https://updatepublishing.com/journal/index.php/cb/article/view/3845	Current Botany 2220-4822 TathQeef Scientific Publishing	ICI, DOAJ, AGRIS (FAO) etc UGC approved (9022) UGC CARE approved	9	47-52	2018

BOOK CHAPTERS

Author(s)	Title of chapter	Book & Publisher	ISBN	Vol	Page	Year
S Khan, P Pandotra, Asif K Qazi, Sajad A Lone , M Muzaffar, Ajai P. Gupta, S.Gupta	Medicinal and nutritional qualities of <i>Zingiber officinale</i> . https://www.sciencedirect.com/science/article/pii/B9780128029725000251	In book: Fruits, Vegetables, and Herbs Elsevier	ISBN: 978-0-12-802972-5	NA	525-550	2016

S Khan, P Pandotra, AP Gupta, RK Salgotra, MM Manzoor, Sajad A Lone , and S Gupta.	Plant Molecular Breeding: Way Forward Through Next Generation Sequencing https://doi.org/10.1201/9781315365930	Plant OMICS and Crop Breeding <i>Taylor & Francis</i>	13: 978-1-77188-455-6 (Hardcopy) 13: 978-1-315-36593-0 (eBook)	NA	NA	2017
Sajad A Lone , AP Gupta, MM Manzoor, P Goyal, QP Hassan, S Gupta	<i>Epimedium elatum</i> (Morr & Decne): A Therapeutic Medicinal Plant from Northwestern Himalayas of India https://doi.org/10.1007/978-3-319-93997-1_17	Plant and Human Health, Volume Springer	ISBN 978-3-319-93996-4 (Hardcopy) ISBN 978-3-319-93997-1 (eBook)	1	619-656	2018

INSDC-NCBI GENE BANK SUBMISSIONS:

<https://www.sciencedirect.com/science/article/abs/pii/S2214786119300889>

<https://www.ncbi.nlm.nih.gov/nuccore/?term=EPIMEDIUM+ELATUM>

Locality & Accession codes	NCBI Genebank accession number			
	ITS	rbcL	trnH-psbA	matK
Boniyaar /BY	MH615782	MH615795	MH615791	MH615789
Dodipathri/DP	MH615783	MH615796	MH615792	MH615787
Pahalgam PGM	MH615784	MH615799	NA [#]	NA [#]
Naranag /NAR	MH615785	MH615797	MH615793	MH615788
Checknala / CNG	MH615786	MH615798	MH615794	MH615790

TEACHING/CURRICULAR ACTIVITIES

❖ Govt Degree College PATTAN (04/05/2017 TO 05/09/2017)

(Viruses/ Bacteria/Fungi/Pteridophytes/Gymnosperms (TL)	B.Sc First Semester (CBCS)
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❖ GOVT WOMEN COLLEGE NAWAKADAL (05/09/2017 TO 02/05/2019)

Gymnosperms (Sharing)	B.Sc First Semester (CBCS)
Plant Embryology & Plant Anatomy (Sharing)	B.Sc 3 rd Semester
Plant Taxonomy/Systematics (Full)	B.Sc.2 nd Semester
Plant Physiology (Sharing)	B.Sc. 4 th Semester
Skill course Medicinal Botany I & II	B.Sc.3 rd & 4 th Semester
Lab Course (practicals)	B.Sc First to 4 th Semester

❖ GDC SOPORE (11/04/2020 TO 26-12-2020)

Google Classroom, Zoom classes	
Lower Botany, Microbiology, and Gymnosperms	B.Sc. First semester
Plant Physiology & Biochemistry (Sharing)	B.Sc.4 th semester

Cell & Molecular Biology (Sharing)	B.Sc.5 th semester
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❖ **COURSES TAUGHT CENTRAL UNIVERSITY OF KASHMIR (14-01-21 TO 16-08-24)**

Plant Taxonomy BOT-CC-103 (Full-TP)	M.Sc Botany First semester
Evolutionary Biology BOT-DSE 102 ((Full-TP)	M.Sc Botany First semester
Lab Course on BOT-CC-103 (Full-TP)	M.Sc Botany First semester
Molecular Biology BOT-CC-202 (Sharing)	M.Sc Botany 2nd semester
Plant Developmental Biology BOT-CC-203 (Sharing)	M.Sc Botany 2nd semester
Lab Course on BOT-CC-203 (Full-TP)	M.Sc Botany 2nd semester
Plant Physiology & Biochemistry BTCH-GE-201 (Sharing)	UG 2nd Semester Biotech
Plant Ecology & Phytogeography BOT-CC-301 (Full-TP).	M.Sc Botany 3rd semester
Lab Course on BOT-CC-301 (Full)	M.Sc Botany 3rd semester
Bioinformatics BOT-CC-403 (Sharing)	M.Sc Botany 4th semester
Project Dissertation BOT-CC-404 (Sole Supervisor)	M.Sc Botany 4th semester
Professional Development & Career Progression (Sharing)	M.Sc Botany 4th semester
Plant Genetic Resource Management (Sharing)	UG 4th semester Biotech
Plant Anatomy & Plant Physiology (Sharing)	UG 2nd semesters Zoology
Plant Taxonomy, Plant Ecology & Embryology (Full)	UG 3rd semesters Zoology

❖ **COURSES TAUGHT AT ISLAMIA COLLEGE, SRINAGAR (04-09-24 TO 26-02-2025)**

Plant Taxonomy (MAJOR-3) Unit 3	FYUG B.Sc Botany Fifth semester
Plant Taxonomy (MINOR) Unit 3	FYUG B.Sc Botany Fifth semester
Plant Ecology MBO20220C Unit 3 & 4 (TP)	M.Sc Botany 2nd semester

❖ **COURSES TAUGHT/TEACHING AT GDC URI (27-02-2025 ONWARDS)**

Plant Taxonomy (MAJOR-3) (Full-TP)	B.Sc Botany 4th semester (Batch 23 & 24)
Plant Taxonomy (MINOR) (Full-TP)	B.Sc Zoology 4th semester (Batch 23 & 24)
Principles of Plant Biochemistry. (Full-TP)	B.Sc Botany 4th semester (Batch 23)
Microbes & Algae (MJ/MN) (Full-TP)	B.Sc Botany I semester (Batch 25)
Archegoniates BPG (MJ/MN) (Full-TP)	B.Sc Botany 3rd semester (Batch 24)
Molecular Biology (MAJOR-2) (Full-TP)	B.Sc Botany 5th semester (Batch 23)
Medicinal Botany (SEC) (Full-TP)	B.Sc Botany 2nd semester (Batch 25)

ACADEMIC EXPERIENCE AT CENTRAL UNIVERSITY OF KASHMIR

- **Member**, Board of Studies, Department of Botany, School of Life Sciences, Central University of Kashmir 2021, 2022.
- **Internal Expert** (Practical Examination), Department of Botany, School of Life Sciences, Central University of Kashmir 2021 & 2022.
- **Internal Expert** (End Semester Theory Examination), Department of Botany, School of Life Sciences, Central University of Kashmir 2021 & 2022.
- Prepared Minutes of Meeting (MoM) for BoS in Botany & School Board, School of Life Sciences, Central University of Kashmir 2021.
- **Incharge Faculty** for Syllabus designing committee, department of Botany, School of Life Sciences, Central University of Kashmir 2021 & 2022.

- **Incharge P.G Admission** (designated by Dean), School of Life Sciences, Central University of Kashmir 2021.
- **Nodal officer PG admissions**, Department of Botany, School of Life Sciences, Central University of Kashmir 2021.
- **Faculty Incharge** (BoS Preparation), Department of Botany, School of Life Sciences, Central University of Kashmir 2021-2022.
- **Faculty Incharge** (Awards & Exam); Department of Botany, School of Life Sciences, Central University of Kashmir 2021-2022.
- Designed Biotechniques paper BOT-CC-404 for 4th semester PG Botany.
- Designed & modified Evolutionary biology paper BOT-DSE-104 for First semester PG Botany
- Modified Plant developmental Biology syllabus in 2nd semester PG Botany.
- Prepared syllabus for Botany for UG-PG Biotechnology Integrated programme 2021 at SOLS, CUK.
- **Internal Expert** (Practical Examination), Department of Biotechnology for Plant Taxonomy Course, School of Life Sciences, Central University of Kashmir, 2022.
- Prepared N.E.P recommendations proposal for Botany department CUK.
- **Member Organizing Committee**, Webinar by Prof. A K Jain, School of Studies in Botany, Jiwaji University. Topic “Role of ethnobotany in sustainable uses of plant resources”. <https://www.greaterkashmir.com/todays-paper/cuks-botany-department-holds-lecture-on-role-of-ethnobotany-in-sustainable-uses-of-plant-resources>.
- **Member Organizing Committee**, Webinar by Professor Mohammad Latif Khan, Director of Academic Affairs, Dr. Harisingh Gour Vishwavidyalaya. Topic: Rethinking Rebuilding-Stepping Towards Environment, Sustainability & Ecosystem Services. <http://brighterkashmir.com/-cuks-botany-deptt-holds-lecture-on-rethinking-to-rebuilding-stepping-towards-environment-sustainability--ecosystem-services>.
- Participated Webinar by Professor Mohammad Latif Khan, Director of Academic Affairs, Dr. Harisingh Gour Vishwavidyalaya. Topic: Rethinking Rebuilding-Stepping Towards Environment, Sustainability & Ecosystem Services.
- **Organizing member of National Seminar, Recent Advances on Science & Technology on Agricultural Sustainability** organized by Botany, Central University of Kashmir. 5-6 July 2022.
- **Rapporteur, National Seminar, Recent Advances on Science & Technology on Agricultural Sustainability** organized by Botany, Central University of Kashmir. 5-6 July 2022. (<https://www.greaterkashmir.com/kashmir/rampant-urbanisation-has-badly-affected-agriculture-sector-cuk-vc>)
- **Rapporteur** for online invited lecture on “Medicinal Plants: An Overview for Future Business Development in India” by Prof (Dr.) Ravinder Raina, Former Principal Scientist YSP University of Hort. & Forestry (Solan-HP) & Former Professor, Amity University, Noida (UP). Lecture, organized under the aegis of ‘Azadi Ka Amrit Mohitsav’ on 75th year of India’s independence. Department of Botany, Central University of Kashmir (CUK). (<https://www.greaterkashmir.com/kashmir/azadi-ka-amrit-mahotsav-cuk-holds-series-of-events>).
- **Prepared syllabus (MSc Botany & UG Zoology & Biotechnology)** as per N.E.P-2020 for the year 2022.
- **Nodal Officer PG admissions** for department of Botany, Central University of Kashmir for the year 2022.

- Designed BOT-VAC-101 (Basics of EVS), BOT-PGD-201(Plant Based Aroma Technology), BOT-CC-402 (Biotechniques), BOT-SBE-403 (Plant Molecular Taxonomy), BOT-SBE-404 (Applied Plant Ecology), BOT-SBE-406 (Applied Ethnobotany).
- Prepared Minutes of Meeting (MoM) Botany portion for School Board, School of Life Sciences, Central University of Kashmir 2022.
- Prepared activity report of Botany department for the year August 2021 till August 2022.
- **Organized “Millet Awareness Campaign through Banners”** under the aegis of MoE (GOI) in different campuses of Central University of Kashmir on 31-03-2023 to celebrate International Year of Millets-2023.
(<https://www.greaterkashmir.com/kashmir/g20-university-connect-cuks-botany-deptt-holds-campaign-to-increase-millet-consumption>).
- **Organized “Millet Awareness Webinar”** under the aegis of MoE (GOI) in Central University of Kashmir on 06-04-2023 to celebrate International Year of Millets-2023.
(<https://www.greaterkashmir.com/kashmir/cuks-botany-deptt-holds-millet-awareness-webinar>).
- **Organized “Placard Competition on Millet Awareness”** under the aegis of MoE (GOI) in Central University of Kashmir on 31-03-2023 to celebrate International Year of Millets-2023.
- **Rapporteur**, World Environment Day Celebration in Central University of Kashmir.
- Designated as **Nodal Officer PG admissions** for department of Botany, Central University of Kashmir for the year **2023**.
- **Organized Quiz** on N.E.P 2020 on the occasion of **Akhil Bhartiya Shiksha Samagam** Dated 29th July 2023.
- **Organizing member**, World Environment Day Celebration on **5th June 2024**, Central University of Kashmir.
- Attended **Republic Day parades** & Independence Day Celebrations at Central University from January 2021 till August 2024.

PG PROJECT DISSERTATION GUIDANCE AS SUPERVISOR AT CUK:

- **M.Sc Biotechnology 4th Semester Project:** 2 students during Ph.D on “Plant Molecular Biology Techniques”.
- **M.Sc Botany 4th semester Project:** 09 students on Plant Taxonomy & Plant Ecology related problem.

Name of student	Title of PG Dissertation	Batch
Shakir Mochi 2027CUKmr19	Phytodiversity & ethnobotany assessment of Shallabugh Wetland (Ramsar Site)	2020
Tabish Bashir 2027CUKmr21	Phytosociological status of Saloora Wetland in Ganderbal	2020
Sammy Jan 2027CUKmr18	Phytosociological assessment of Shallabugh Wetland (Ramsar Site)	2020
Bilal Ahmad 2027CUKmr05	Phytodiversity assessment of Saloora Wetland in Ganderbal	2020
Irfan Khatana 2027CUKmr08	Ethnobotanical assessment of some tribal areas in Kangan (Ganderbal)	2020
Yawar Rashid 2127CUKmr05	Flora of Hi-Tech Nursery Malhar Ganderbal: Taxonomy, Medicinal Potentials & Ethnobotany	2021
Nazia Kousar 2127CUKmr17	Phytodiversity & Ethnobotany of Adjoining areas of Manasbal Lake, Ganderbal	2021
Mehmooda K. 2127CUKmr15	Phytosociological studies of adjoining areas of Manasbal Lake, Ganderbal	2021

Nayeem 2127CUKmr10	Assessment of Phytodiversity in adjoining areas of Hi-Tech Nursery Malhar Ganderbal	2021
Abid 2227CUKmr04	Assessment of Phytodiversity of Gutlibagh Ganderbal	2022
Manzoor 2227CUKmr09	Assessment of Phytodiversity of Wurpash Ganderbal	2022
Muneer 2227CUKmr13	Ethnobotany of Gutlibagh Ganderbal	2022
Sajad 2227CUKmr15	Phytosociological studies of adjoining areas of Wurpash, Ganderbal	2022
Mutesh Dey 2227CUKmr17	Phytosociological studies of adjoining areas of Gutlibagh, Ganderbal	2022

ACADEMIC EXPERIENCE AT ISLAMIA COLLEGE, SRINAGAR

- Teaching of **Plant Ecology** (theory & lab course) to MSc Botany 2nd semester (batch 2023). I shared study material with students for the same course.
- Teaching of **Plant Taxonomy** (theory & lab course) to UG 4th semester batch 2022 (Major & minor). I shared study material with students for the same course.
- Appointed as **EXTERNAL EXAMINER** at PG level for setting the Question Paper (Applied Ecology) vide identification number 01-MBOAE2DCE2-23 by Controller Examination, Islamia College.
- Appointed as **INVIGILATOR** for conducting ESE of UG 5th semester (BATCH 2022) vide order no-448 dated 16-12-2024. Centre allotted was 10BGV-22R.
- Appointed as **INVIGILATOR** for conducting ESE of UG 3rd semester (BATCH 2023) vide order no-557 dated 12-02-2025. Centre allotted was 01BGIII-23R.
- Attended **Republic Day parade** at Bakshi Stadium on the directions of Nodal Principal, Kashmir Division Colleges.

ACADEMIC EXPERIENCE AT GDC-URI, BARAMULLA

- Delivered expert lecture on **National Science Day 2025** entitled "*Indigenous bioscience discoveries in India (2023 to 2024)*".
- Appointed as **external examiner** at PG level for conducting practical exam dated 01-03-2025 at PG Department of Botany, Islamia College Srinagar.
- Participated in **International Women's Day Celebrations** organized by GDC, Uri-Baramulla.
- Participated in **SEBI Financial Literacy awareness program** organized by **Career Counselling Cell, GDC Uri**.
- Participated in **First Plantation drive** organized by Landscape Committee, headed by Worthy Principal **GDC Uri** dated **24-03-2025**.
- Participated in **Pledge taking ceremony to celebrate birthday of BR Ambedkar** dated 15-04-2025.
- Participated in **Second Plantation drive** organized by Landscape Committee, headed by Worthy Principal **GDC Uri** dated **05-04-2025**.
- Conducted practical examination of **Plant Taxonomy & Plant Biochemistry** 4th semester (Major & Minor courses).
- Organizing member, **World Environment Day Celebration** on 5th June 2025, GDCU. Activities conducted were Debate Competition & Painting Competition on the theme Ending Plastic Pollution.

- Appointed as **EXTERNAL EXAMINER** for setting ESE QP of course ‘Crop Genetics & Plant Breeding’, MSc Botany 3rd Semester, Islamia College Srinagar vide letter id no- 02-MBOCM3DCE2-23 dated 12-06-2025.
- Deputed to MMTTC, Kashmir University for attending **92nd Guru Dakshata Faculty Induction Programme** w.e.f **17-06-2025 to 17-07-2025**.
- Worked in **College Discipline Committee** (Gate Duty on Saturday) vide GDCU order No-86 dated 16-04-2025.
- Appointed as **invigilator** for conducting ESE of UG First semester (Backlog candidates) vide GDCU-no-08 dated 02-04-2025. Centre allotted was 21.
- Assisted in the **UG admission** process as **co-convener admissions** committee GDCU for the year 2025.
- Attended **Tiranga rally** organized by SDM Uri w.e.f 9th August to 11th August 2025 vide GDCU order no-678 dated 02-08-2025.
- Attended **Swatchta awareness rally** on 6th August 2025 through URI MARKET
- Participated in **Independence day celebration** at GDCU on 15th August 2025. Prepared detailed report with Geo-tagged photos for **INDEPENDENCE DAY CELEBRATION** at GDCU on 15th August 2025 vide order no-GDCU/MoM/748 Dated 14-08-2025.
- Prepared **Time table for odd semesters** for the year August 2025 as **co-convener TT Committee**.
- **Organizing member** on **Hands on training on organic manuring –vermicomposting** under **Seva Parv** on 17-09-25. Prepared report for record & reference.
- Designated as Member of following Committees in GDC Uri for year 2025 viz; College Planning & Development, College Admission Committee (Co-convener), Time Table Committee (Co-convener), R& D Committee, College Library Committee (as H.O.D), Landscape Committee, vide GDCU Order No-484 Dated 01-07-2025.
- Conducted practical exam, evaluation & submitted awards to COE.
- Appointed as **paper setter** of MAP322S titled ;COMMERCIAL MEDICINAL AND AROMATIC PLANTS-III: ROLE OF MEDICINAL AND AROMATIC PLANTS IN HEALTH CARE SYSTEM (2022)’ 3rd SEM vide GDCU order No-
- Appointed as **Invigilator** for Centre No-146 for UG third SEM vide GDCU order No-1358 dated 28-11-2026.
- Acted as Jury member for painting competition during Mental Health Week vide
- Participated in Nasha Mukht Abhiyan
- Participated in Night Sky Watch Prog.,
- Participated in Unity March, Workshop for NT staff
- Participated in Constitution Day Celebration
- Helped in purchase of books for Botany library section through proper indent/requisition (November 2025).
- Attended IQAC meetings & completed assigned task for NAAC Criteria 1.
- **Accompanied students in Experiential Tour**. Accomplished many other academic and non academic tasks in College.
- Evaluation of first semester batch 2025 ‘Practical’s’ and preparation of award & submission to COE, GDC Uri.
- Organized **National Science Day** event & delivered lecture entitled **“Women in Science: Catalyzing Viksit Bharat”** on **28TH February 2026** in **GDC Uri** to celebrate **National Science Day 2026**. Prepared e-banner & report on **National Science Day** event dated **28TH February 2026** in **GDC Uri**.

- Prepared **Time Table for Even semesters** (2nd , 4th & 6th) for w.e.f 16th February 2026 as **Convener Time Table Committee**, GDC Uri.
- Prepared **indents cum requisitions** for purchase of materials, supplies, equipments for enriching Botany laboratory for year 2026.
- Completed course on **Cybersecurity Fundamentals for Governmental Personnel** on IGOT-Karmyogi Portal dated 12-01-2026.
- Completed course on **India's Road to Productivity: Education, Employment & Employability** on IGOT-Karmyogi Portal dated 09-01-2026.
- Prepared report on **Special Plantation Drive** held at GDC Uri to Commemorate 150 Years of **National Pride –Vande Mataram Phase II**.
- Designated **Convener** of following Committees viz; Admission, Time Table, Academic Monitoring, Career Counselling, Landscape & member of College Advisory Committee as H.O.D Botany vide GDCU Order No-2053 Dated 16-03-2026.
- Organized **World Arbor Day Celebration** on 28th March 2026 by planting Chinara & Conifer Saplings in collaboration with NSS units (I&II) within College Campus as Convener Landscape Committee, GDCU [Reference GDCU/SOC.ACTTY/2086 dated 27-03-2026.
- Completed criterion 1 of AQAR 2024-25.
- Award submission to COE, GDC Uri for Skill paper first semester batch 2025.
- Award submission to COE, GDC Uri for practical first semester batch 2025.
- Attended training programme on UG Admissions 2026 for running of **JKADMISSIONS portal** dated 30-04-2026 from Directorate ITSS.
- Assigned watch & ward responsibilities during College Picnic to Tulip Garden Srinagar. Vide order No. Gdcu66 dated 05-04-26
- Attended many courses on IGOT-Karmyogi for celebration of Sadna sapta
- **Organized** Mega Planation Drive in College to commemorate
- **Prepared Time Table for Even semesters & resolved grievances.**
- Conduct of practical exam of even semesters, their evaluation & award preparation.
- **Coordinated UG admissions 2026 as Convener Admission Committee.**
- Paper setter for Skill Botany MAP222S batch 2025 2nd semester.
- Paper setter for Skill Botany MAP620S batch 2020 & 2021 6th semester.
- Award submission to COE of Skill Botany MAP222S batch 2025 2nd semester.
- Award submission to COE for Skill Botany MAP620S batch 2020 & 2021 6th semester.

WORKSHOPS/TRAINING PROGRAMMES ATTENDED:

- UGC approved Professional Development Programme on '**Implementation of NEP-2020 for University and College Teachers**' Under Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching Ministry of Education, Government of India. Agency: Indira Gandhi National Open University.
- Orientation Programme on '**Development of MOOCs**' organized by the Department of Communication & Journalism in collaboration with EMRC, KU, Srinagar on July 18-19, 2024.
- UGC approved **92nd Guru Dakshata Faculty Induction Programme** w.e.f 17th June, 2025 till 17th July, 2025 (4 weeks long), organized by MMTTCC, University of Kashmir.
- Participated in 2 day **Workshop on Recent Advances in Plant Taxonomy** organized by Centre of Biodiversity & Plant Taxonomy, Department of Botany, University of Kashmir, held on 15th & 16th June 2026.

EXTENSION/OUTREACH ACTIVITIES

- Participated in many extension activities at CSIR-IIIM Jammu during Ph.D. [LAB Guide for students from Schools, Higher Secondary Schools, College, Universities who visited CSIR-IIIM labs during SCIENCE DAY CELEBRATION annually (2012-2017).
- Organized a science outreach programme on ‘**Career Opportunities in Sciences**’ for B.Sc students of Nawakadal College on 10th September 2017 in collaboration with JK Scientists, an organization headed by **Dr. Shabir Hassan, Harvard University, USA**.
- Organized a science outreach programme on ‘**Career Opportunities in Sciences**’ for B.Sc students of Nawakadal College on 10th September 2018 in collaboration with JK Scientists, an organization headed by **Dr. Syed Mubarak Hussain**, Assistant Professor at **University of New Mexico, USA**. He was accompanied by Dr. Zahida Qamri from Ohio State University, Ohio, USA. Besides, they were joined by Dr. Reyaz Ahmad Shah from IISc Bangalore, India.

PROFESSIONAL ASSOCIATIONS

- Life member, Indian Science Congress association.
- Life Member, Botanical Society, University of Kashmir.
- Life Member, Society for Bioinformatics and Biological Sciences (SBBS), India.
- Life Member, Botanical Society, Central University of Kashmir

MEMBER OF FOLLOWING COMMITTEES AT GDC-URI BARAMULLA

- Member, IQAC
- Member, College Planning & Development
- Convener, College Admissions Committee
- Convener, Time table Committee
- Member, Intuitional innovations & Incubation Committee
- Convener, Career Counselling Cell
- Member, R&D Committee
- Member, Eco-club, Campus Management, Landscape Gardens & Parks Committee

CONFERENCES, SEMINARS AND SYMPOSIA PRESENTED/ATTENDED:

Attended many National & International conferences in India.

- Attended **National conference** on "Biodiversity: Present Status and Future Challenges", organized by the Department of Botany at the University of Kashmir, Hazratbal, Srinagar, from March 12-14, 2009 [M.Sc. 3RD SEMESTER IN BOTANY].
- 8th11th **JK Science Congress** held at University of Kashmir Srinagar in 2012, sponsored by the J&K State Science, Technology & Innovation Council; Department of Science and Technology, Govt. of India and University of Kashmir.
- 101st **Indian Science Congress** organized by University of Jammu, J&K. February 3rd to 7th February 2014.
- 11th **JK Science Congress** held at University of Kashmir Srinagar, from 12 to 14 October 2015, sponsored by the J&K State Science, Technology & Innovation Council; Department of Science and Technology, Govt. of India and University of Kashmir.
- **International Conference** on Medicinal Plants: Resource for Affordable New Generation Healthcare’ (ICOMP 2015) held from March 20-22, 2015 at CIMAP Lucknow.
- 3rd **International Conference** on Recent Trends and Advancements in Engineering and Technology (ICRTAET) 17-18 November, 2016 at Shri Mata Vaishno Devi University, Katra, J&K, India.

- **National Seminar** on Himalayan Biodiversity ‘Characterization and bioprospection for sustainable utilization’ 17-18th September 2017, University of Kashmir, Hazratbal, Srinagar, J&K, India.
- **National seminar** on National development through science and technology, 25-26th September 2017, University of Kashmir, Hazratbal, Srinagar, J&K, India.
- **International Conference** on Recent trends in Bioinformatics and Biotechnology for sustainable development, October 12-13, 2017 at SKUAST Jammu.
- **One Day National Seminar** on “Biodiversity and Climate Change: Challenges and Prospects”. 26th October 2017. Department of Environmental Science, GOVT SAM Degree College Budgam.
- 13th Session of **JKScience Congress** ‘Emerging Technologies and Human Society: Applications and Constraints. 2-4 April 2018. University of Kashmir, Hazratbal, Srinagar, J&K, India.
- 1st **International Conference** on Recent Developments in Science, Humanities & Management-2018. (ICRDSHM-2018). 17th- 18th April 2018. Amar Singh College, Cluster University, Gogji Bagh, Srinagar (J&K).
- **National Conference** on Recent advances in understanding the role of phytochemicals in human health (RAURPHH). 25-26 July, 2018. University of Kashmir, Hazratbal, Srinagar, J&K, India.
- **International Conference** on Worldwide Research Initiatives for Agriculture, Science, and Technology (WRIAST-2018). 24-26 October 2018. University of Kashmir, Hazratbal, Srinagar, J&K, India.
- **1st Two day International Conference** on Recent Advances in Interdisciplinary Sciences-Jan 11-12, 2019 organized by Department of Electronics, University of Jammu (2018).
- **Two-day National e-Conferences** on Plant Science Research: Relevance, Funding, Challenges and Opportunities, 16th – 17th January 2021. Organized by **Department of Botany**, Hansraj College In collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College, **University of Delhi**, Delhi-110007.
- **National Urdu Science Congress** organized by Central University of Kashmir from Sept 22-23th 2021. Venue: Gandhi Bhavan Kashmir University.
- **International Webinar**, Organized by Department of Biotechnology, School of Life Sciences (SOLS), Central University of Kashmir. 17 June 2021.
- **National Webinar** on ‘**CHANGING PARADIGMS IN PLANT TAXONOMY**’. 6th January 2022. DEPARTMENT OF BOTANY, CENTRAL UNIVERSITY OF JAMMU.
- **National Seminar, Recent Advances on Science & Technology on Agricultural Sustainability** organized by Botany department, Central University of Kashmir. 5-6 July 2022.

PAPERS ACCEPTED/PRESENTED IN CONFERENCES:

- **Sajad Ahmad Lone**, Suphla Gupta, Parvaiz Qazi, Ajai Prakash Gupta. *Epimedium elatum*: a potential anti-osteoporotic medicinal herb from Northwestern Himalayas. In ‘International Conference on Medicinal Plants: Resource for Affordable New Generation Healthcare’ (ICOMP 2015) held from March 20-22, 2015 at CIMAP Lucknow.
- **Sajad Ahmad Lone**, Parvaiz Qazi, Suphla Gupta. Botanical Studies on *Epimedium elatum* (Morr & Decne.); A rare high altitude medicinal plant from Northwestern Himalayas in India. (Abstract accepted) In ‘11th JK Science Congress’ held at University of Kashmir Srinagar, from 12 to 14 October 2015, sponsored by the J&K State Science, Technology & Innovation Council; Department of Science and Technology, Govt. of India and University of Kashmir.
- **Sajad Ahmad Lone**, Suphla Gupta, Qazi Pervaiz Hassan, AJAI Prakash Gupta. *ISSR fingerprinting analysis and phytochemical characterization of Epimedium elatum* (Morr & Decne) —A monotypic and rare medicinal plant from Kashmir. (Oral Presentation) In 3rd

International Conference on Recent Trends and Advancements in Engineering and Technology (ICRTAET) 17-18 November, 2016 at Shri Mata Vaishno Devi University, Katra, J&K, India.

- **Sajad Ahmad Lone**, Suphla Gupta, Qazi Pervaiz Hassan. *Morphology, distribution and cytological characterization of Epimedium elatum; A high altitude medicinal plant of Kashmir Himalayas in India*. In 3rd International Conference on Recent Trends and Advancements in Engineering and Technology (ICRTAET) 17-18 November, 2016 at Shri Mata Vaishno Devi University, Katra, J&K, India.
- **Sajad Ahmad Lone**, Saleem Mushtaq, Qazi Parvaiz Hassan, Suphla Gupta. *Assessment of Genetic diversity by DNA Fingerprinting in Epimedium elatum (Morr & Decne)—An important aphrodisiac medicinal plant of Northwestern Himalayas in India*. In International Conference on Recent trends in Bioinformatics and Biotechnology for sustainable development, October 12-13, 2017 at SKUAST Jammu (Awarded best oral presentation).
- **Sajad Ahmad Lone**, Saleem Mushtaq, Qazi Parvaiz Hassan, Suphla Gupta. *DNA Barcoding of Epimedium elatum (Morr. & Decne.): Potent medicinal herb from Northwestern Himalayas in India*. In National Seminar on Himalayan Biodiversity ‘Characterization and bioprospection for sustainable utilization’ 17-18th September 2017, University of Kashmir, Hazratbal, Srinagar, J&K, India.
- **Sajad Ahmad Lone**, Saleem Mushtaq, Qazi Parvaiz Hassan, Suphla Gupta. *Epimedium elatum (Morren & Decne): A potent aphrodisiac medicinal herb from Northwestern Himalayas in India*. In National seminar on National development through science and technology, 25-26th September 2017, University of Kashmir, Hazratbal, Srinagar, J&K, India.
- **Sajad Ahmad Lone**, Saleem Mushtaq, Qazi Pervaiz Hassan, Suphla Gupta. *Multidisciplinary studies on Epimedium elatum (Morren & Decne): A rare medicinal herb in Berberidaceae family from Kashmir Himalayas, India*. One Day National Seminar on” Biodiversity and Climate Change: Challenges and Prospects”. 26th October 2017. Department of Environmental Science, GOVT SAM Degree College Budgam.
- **Sajad Ahmad Lone**, Saleem Mushtaq, Qazi Pervaiz Hassan, Suphla Gupta. *Morphological and Cytogenetic Characterization of Unexplored Medicinal Plant Epimedium elatum (Morr & Decne) from Kashmir Himalayas in India*. In 13th Session of Jammu & Kashmir SCIENCE CONGRESS Emerging Technologies and Human Society: Applications and Constraints. 2-4 April 2018. University of Kashmir, Hazratbal, Srinagar, J&K, India.
- **Sajad Ahmad Lone**, Qazi Pervaiz Hassan, Suphla Gupta. *Epimedium elatum Morren & Decne (Berberidaceae): First Time Record from Kashmir Himalayas and Extension of Geographic Distribution in Indian Himalayas*. In 1st International Conference on Recent Developments in Science, Humanities & Management-2018. (ICRDSHM-2018).17th- 18th April 2018. Amar Singh College, Cluster University, Gogji Bagh, Srinagar (J&K)
- Saleem Mushtaq, Muzafar A Rather, Parvaiz H Qazi, **Sajad Ahmad Lone**, Aiyatullah Shah, Md. Niamat Ali. “*Isolation and characterization of three benzyloquinoline alkaloids from Thalictrum minus L. and their antibacterial activity against bovine mastitis*” (Oral Presentation: In National Seminar on Environmental Pollution: Join the Race to Make the World a Better Place on the Eve of Observance of World Environment Day-2016, June 4-5, University of Kashmir, Srinagar).
- Saleem Mushtaq, Md. Niamat Ali, Aabid Manzoor, **Sajad Ahmad Lone**, Qazi Parvaiz Hassan. “*Medicinal Plants: An Alternative for Commercial Drugs*” (Oral Presentation: In 8th JK SCIENCE CONGRESS held at University of Kashmir, Srinagar from 17th to 19th September 2012).
- **Sajad Ahmad Lone**, Qazi Pervaiz Hassan, Suphla Gupta. *Antioxidant characterization of Epimedium elatum (Morr & Decne-Berberidaceae): nutraceutically important medicinal herb of Kashmir Himalayas in India*. (Oral Presentation): In National Conference on Recent

advances in understanding the role of phytochemicals in human health (RAURPHH). 25-26 July, 2018. University of Kashmir, Hazratbal, Srinagar, J&K, India.

- **Sajad Ahmad Lone**, Qazi Pervaiz Hassan, Suphla Gupta. *Morphological and cytogenetic characterization of unexplored medicinal plant *Epimedium elatum* (Morr & Decne) from Kashmir Himalayas in India*. (Oral Presentation). In 13th Session of **JKScience Congress** 'Emerging Technologies and Human Society: Applications and Constraints. 2-4 April 2018. University of Kashmir, Hazratbal, Srinagar, J&K, India.
- **Sajad Ahmad Lone**, Qazi Pervaiz Hassan, Suphla Gupta. *Phenotypic and Genochemotypic variation of *Epimedium elatum* (Morren & Decne) from Kashmir Himalayas in India*. (Poster Presentation) In **International Conference** on Worldwide Research Initiatives for Agriculture, Science, and Technology (WRIAST-2018). 24-26 October 2018. University of Kashmir, Hazratbal, Srinagar, J&K, India.
- **Sajad Ahmad Lone**, Saleem Mushtaq, Qazi Parvaiz Hassan, Suphla Gupta. *Dwindling status of *Epimedium elatum* (Morren & Decne) and its Geographical distribution in Kashmir Himalaya*. (Poster Presentation) In **Ist Two day International Conference** on Recent Advances in Interdisciplinary Sciences-Jan 11-12, 2019 organized by Department of Electronics, University of Jammu (2018).
- **Sajad A. Lone**, Qazi P. Hassan, , Suphla Gupta. *Development of DNA Barcode in *Epimedium elatum* (Morren & Decne): Rare Medicinal Plant from Northwestern Himalayas, India*. (Oral Presentation), In **Two-day National e-Conferences** on Plant Science Research: Relevance, Funding, Challenges and Opportunities, 16th – 17th January 202. Organized by **Department of Botany**, Hansraj College In collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College, **University of Delhi**, Delhi-110007.

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