

BRIEF BIODATA

Name: Dr H S JAT

Date of Birth: 02.09.1974

Position: Senior Scientist (Agronomy)

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A. Academic Qualifications

Level	Degree	Institute/ University	Year	Grade / % marks
Graduation	B. Sc. Ag (Hon's)	Rajasthan Agricultural University, Bikaner(Raj)	1997	75.00 %
Masters	M.Sc Agronomy	Indian Agricultural Research Institute (IARI), Pusa, New Delhi	1999	3.91/ 4.00
Ph. D.	Ph.D Agronomy	Indian Agricultural Research Institute (IARI), Pusa, New Delhi	2003	3.80/ 4.00

B. Employment Record & Experience

Designation	Pay scale	Nature of work	Institution & Place of posting	Period (From-to)
Scientist (agronomy)	Rs. 8000-275-13,500	Research and extension	CSWRI, Avikanagar	16-04-2003 to 30.09.2008
Sr. Scientist (Agronomy)	Rs. 15600-39,100	Research and extension	CSSRI, Karnal	1.10.2008 to till date

C. Specialization

(a) Scientific capabilities and interests (3-5) key words:

Capabilities: farming system research in Arid and Semi-arid areas. Identification and characterization of Ailanthus. Ardu based agroforestry systems to increase productivity. Conservation agriculture in cereal based cropping system.

Interest:

Resource conserving technologies for cereal based cropping systems.
Farming system research for small and marginal farmers.

Management of salt affected soils through Conservation agriculture.

(b) Salient Accomplishments Completed projects on:

1. Ardu based agroforestry for arid and semi-arid areas
2. Farming system for sustaining livelihood

D. Publications

- (i) Research (Journals): 10
- (ii) Books : 02
- (iii) Book Chapters : 05
- (iv) National/ International Seminar/ Symposia: 10+3=13
- (v) Bulletins/ Technical Reports: 03

E. Best 5 Publications

H.S. Jat and I.P.S. Ahlawat. 2003. Response of pigeonpea (*Cajanus cajan*) + groundnut (*Arachis hypogaea*) intercropping system to planting pattern and phosphorus management. *Indian Journal of Agronomy* **48** (3): 156-159

H.S. Jat and I.P.S. Ahlawat. 2004. Production potential and economic viability of pigeonpea (*Cajanus cajan*) + groundnut (*Arachis hypogaea*) intercropping in Indo-Gangetic plains. *Indian Journal of Agricultural Sciences* **74** (3): 126-129

H.S. Jat, J.S. Mann and S.C. Sharma. 2007. Diversity and variability of Ardu (*Ailanthus spp*) in arid and semi-arid regions of Rajasthan. *Range Management and Agroforestry* **28** (2): 364-365

Subhash Chander, K.C. Sharma, **H.S. Jat** and Raj Pal Meena. 2009. Influence of varieties and cutting schedule of perennial pasture grasses on soil fertility, nutrients content and uptake, productivity and economics in hot arid conditions of Rajasthan. *Indian Journal of Agricultural Sciences* **79** (10): 798-803

H.S. Jat, J.S. Mann, S.C. Sharma and Roop Chand. 2010. Identification of best performing ardu (*Ailanthus excelsa*) genotypes in semi-arid ecosystems of Rajasthan. *Indian Journal of Agricultural Sciences* **80** (3): 229-232

F. Awards/Special recognitions

1. Junior Research Fellowship during M.Sc. at IARI, New Delhi
2. Senior Research Fellowship during Ph.D. at IARI, New Delhi
3. Best Poster award by Indian Society for Sheep and Goat Production and Utilization (ISSGPU) in 2005 at CSWRI Arid Region Campus, Bikaner (Raj).
4. Certificate of Merit for best poster presentation by Indian Society for Sheep and Goat Production and Utilization (ISSGPU) in 2006 at CIRG, Makhdoom, Farah (Uttar Pradesh).