

Name of Scientist : Dr S. F. A. Zaidi

Designation : HOD, Department of Soil
Science and Agricultural Chemistry

Department : Department of Soil Science
and Agricultural Chemistry

Research work (2015-onward)

Name of project with funding agencies: Nil

Project submitted : Nil

Publications: 19

1. Tiwari, Sandeep Kumar, Suresh Kumar and **Zaidi, S.F.A.** and Ved Prakash. (2015) *Annals of Plant and Soil Research* 17(1):106-108 –(4.39)
2. Singh, Anoop, **Zaidi, S.F.A.**, Suresh Kumar and Ahamad, Atik (2015) *Annals of Plant and Soil Research 17 (Special Issue)*: 59-60 –(4.39)
3. Ravender Kumar, A. K. S., Parihar, Suresh Kumar and **Zaidi, S.F.A.** (2015) *Annals of Plant and Soil Research* 17(3):296-298 – (4.39)
4. **Zaidi, S.F.A.**, Sandeep Kumar and Suresh Kumar (2015) *Journal of the Indian Society of Soil Science* 63(2): 217-221- (5.23)
5. Denesh Kumar, **S.F.A.Zaidi** and Atik Ahamad(2015) *Annals of plant and Soil research 17(Special issue)*: 318-321 (4.39)
6. Ram Bharose, Suresh Kumar, **Zaidi, S.F.A.** and R. Kumar (2015) *Progressive Research- An International Journal* Spl-III (10):1844-1806 –(3.84)
7. Arbind Kumar Gupta , AtikAhamad and **S.F.A.Zaidi**, (2015). *Annals of Plant and Soil Research* 17 (Special issue): 162-165- (4.39)
8. AtikAhamad , B.L. Yadav, **S.F.A.Zaidi**, Anand Sen and Dinesh Kumar(2015). *Annals of Plant and Soil Research*(Special issue): 166-169 –(4.39)
9. Raj Kumar, Atik Ahamad, Ved Prakash , **S.F.A Zaidi** and Dinesh Kumar(2015). *Annals of Plant and Soil Research*17 (Special issue):250-251.- (4.39)
10. Anand Sen, **S.F.A.Zaidi** and AtikAhamad(2015) *Annals of plant and soil research* 17(special issue): 152-154 –(4.39)
11. Suresh Kumar, Ram Bharose, Alok Kumar and **Zaidi, S.F.A.** (2016) *Journal of Plant Development Sciences* 8(1): 41-44 –(4.57)
12. **Zaidi, S.F.A.**, Suresh Kumar, Ram Bharose, Rajesh Kumar and Verma, K. K. (2016). *An Asian Journal of Soil Science* 11(1):230-234 –(4.34)
13. Suresh Kumar, Tiwari’ S. K., Alok Kumar and **Zaidi, S.F.A.** (2016). *Journal of the Indian Society of Soil Science* 64(2):157-162 – (5.23)
14. Atik Ahamad., B.L. Yadav, R.K. Kamal and **S.F.A. Zaidi** (2016) *International Journal of Bio-resource and Stress Management* 7(4) 687-692 –(4.65)
15. Ananad Sen, **S. F. A. Zaidi** and Suresh Kumar (2017). *Journal of Pharmacognosy and Phtochemistry* Spl:270-273 –(5.21)
16. Ram Bharose, **Suresh Kumar**, S. F. A. Zaidi, and Dinesh Kumar (2017) *Journal of Pharmacognosy and Phytochemistry* spl:278-280 – (5.21)
17. N. K. Tiwari, **S.F.A. Zaidi**, Mohinder Singh and Ashok Kumar Dhenwal (2017). *Bull Env. Pharmacole. Life Sci.* 6(2):71-73 ((4.95)
18. **S.F.A. Zaidi**, Brajendra and S. P. Giri (2018). *Int. J Curr. Microbial. Appl. Sci. Special Issue* 7:3187-3197 (5.34)
19. **S.F.A. Zaidi**, Brajendra and S. P. Giri (2018). *Int. J Curr. Microbial. Appl. Sci. Special Issue* 7:3187-3197 (5.34)

Chapter in Souvenir cum lead proceeding book

S.F.A. Zaidi, S.P. Giri And Brajendra, (2016) Soil health perspectives, status and their indicative/ corrective measures. In *Souvenir cum lead/abstracts proceedings book* PP 17-25

iv) Recommendation/product development:

1. INM module 100% NPK+5tFYMha may be recommended for cultivation of Pusa Basmati for higher yield and quality of rice grain.
2. The splitting of NPK fertilizer as N 1/3 (7DAT+MT+PI), P and K 1/3(B+MT+PI) may be recommended for maximum growth and yield of hybrid rice.
3. SRI cultivation with 75% RDF + 25% FYM-N+Zn may be recommended for maximum yield in rice and soil health.
4. The fertility of Eastern Plain Zone, North Eastern Plain Zone and Vindhyan Zone of eastern U.P. showed low fertility status recording low range O.C., N, P, K, Mg and B and Mn was in medium range. The availability of Cu, S, Mg were in alarming position in Vindhyan Zone. Whereas entire Eastern Plain Zone showed Mg deficiency.

Teaching work (2015-onward)

Semester	Name of course	Credit hours	Credit Load
I	SS-111(N): Introduction to Soil Science	3(2+1)	1.5
	SS-111(V): Fundamental of Soil Science	3(2+1)	1.5
	SS-513: Soil Technology	3(2+1)	1.5
	SS-515: Manures and Fertilizers	3(2+1)	1.5
	SS-516: Instrumental Techniques of soil and plant analysis	3(2+1)	1.5
	SS-613: Chemistry of Submerged Soil	3(2+1)	1.5
	SS-615: Techniques of Soil Research and Instrumentation	3(2+1)	1.5
	II	SS-121(N): Soil Chemistry, Soil Fertility and Nutrient Management	3(2+1)
MICROB-121(N): Agricultural Microbiology		3(2+1)	1.5
SS-221(N): Manures, Fertilizers and Agrochemicals		3(2+1)	1.5
CEL-421(N)I-2: Soil Management, Conservation, Problematic Soil, Soil Quality		4(1+3)	2.0
CEL-421(N)I-5: Remote Sensing, GIS and Land Use Planning		3(1+2)	1.5
SS-523: Soil Fertility and Plant Nutrition		3(2+1)	1.5
SS-621: Advances in Soil Fertility		3(2+1)	1.5
SS-622: Physical Chemistry of Soil		3(2+1)	1.5
SS-591: M. Sc. (Ag) Seminar		1(0+1)	0.5
SS-691: Ph D Seminar		1(0+1)	0.5

No. of students guided

M. Sc.

Ph. D.

02

04

No. of students guiding

M. Sc.

Ph. D

02

Nil

Work plan for 2018-19

- Establishment Soil and Water health clinic at NDUAT, Kumarganj, Faizabad (Project to be submitted to RKVY)
- Survey and Characterization of Salt affected soil of Kumarganj and adjoining area
- Reclamation and Management of Salt affected Soil of Kumarganj campus.
- Research planning for improvement in soil health and reduction in cost of production.

Name of Scientist : Dr. Ved Prakash

Designation : Prof. (Soil Science)

Deptt. /Directorate : Directorate of Research

1. Name of Project & funding agency : NARP HQ (State Govt.)

2. Project Submitted : NIL

3. Publications : 1. NAAS > 4.0 : 06

2. NAAS < 4.0 : 05

4. Any recommendation/product development : NIL

5. Other works :

- Assisted DAES in monitoring of research and seed production programmes.
- Compiled and Prepared research achievements and other reports of the Directorate.
- Compiled and Prepared Annual Reports.
- Compiled and Prepared Sodh Uplabdhiyan.
- Prepared and sent other reports/informations to ICAR, Govt. of India, UPCAR, State Govt. and other National & International Funding Agencies as and when required.
- Prepared proceedings of technical programme, ZREAC and other meetings.
- Compiled and prepared monthly reports of Directorate of Research.
- Performed other works assigned by DAES/University Administration.

Teaching Work (2015 onwards in each year) :

Semester	Name of Course	Credit hours
Ist	Soil Technology	3 (2+1)
IIInd	Soil Chemistry	3 (2+1)

	2015	2016	2017
No. of Student Guided : M.Sc. (Ag.)	01	02	02
Ph.D.	01	01	01

No. of Student Guiding : M.Sc. (Ag.) – 02
Ph.D. - NIL

Work Plan for 2018-19 :

1. To assist to DAES in monitoring of research and seed production programmes.
2. Compilation and preparation of reports related to research.
3. Teaching of courses allotted by Dean, Agriculture.
4. Guiding of students allotted by HOD, Soil Science & Agril. Chemistry.
5. Other works assigned by DAES/University Administration.

Name of Scientist

:Dr Suresh Kumar

Designation:

Assistant Professor

Department of Soil Science
and Agricultural Chemistry

Department

:Department of Soil Science
and Agricultural Chemistry

Research work (2015-onward)

Name of project with funding agencies : Nil

Project submitted : Nil

Publications: 18

1. Singh, Shishu Pal, Adesh Kumar, Ram Bharose and Suresh Kumar. (2015) *Annals of Plant and Soil Research* 17(1):104-105 –(4.39)
2. Tiwari, Sandeep Kumar, **Suresh Kumar**, Zaidi, S.F.A. and Ved Prakash. (2015) *Annals of Plant and Soil Research* 17(1):106-108 – (4.39)
3. Singh, Anoop, Zaidi, S.F.A., **Suresh Kumar** and Ahamad, Atik (2015) *Annals of Plant and Soil Research 17 (Special Issue)*: 59-60 – (4.39)
4. Ravender Kumar, A. K. S., Parihar, **Suresh Kumar** and Zaidi, S.F.A. (2015) *Annals of Plant and Soil Research* 17(3):296-298 – (4.39)
5. P. K. Tiwari, Adesh Kumar, **S. Kumar**, Ram Bharose, and Ved Prakash (2015) *Annals of Plant and Soil Research* 17(3):326-327 – (4.39)
6. Zaidi, S.F.A., Sandeep Kumar and **Suresh Kumar** (2015) *Journal of the Indian Society of Soil Science* 63(2): 217-221- (5.23)
7. Ram Bharose, **Suresh Kumar**, Zaidi, S.F.A and R. Kumar (2015) *Progressive Research- An International Journal Spl-III* (10):1844-1806 – (3.84)
8. Yadav, S. K., **Suresh Kumar***, A. K. S. Parihar and Verma, K. K. (2015) *Journal of Plant Development Sciences* 7(12):915-916 –(4.57)
9. **Suresh Kumar**, Ram Bharose, Alok Kumar and Zaidi, S.F.A. (2016) *Journal of Plant Development Sciences* 8(1): 41-44 – (4.57)
10. Suresh Kumar*, Tripathi, D. K., Ram Bharose, Maneesh Kumar and Ravendra Kumar (2016) *An Asian Journal of Soil Science* 11(1):62-66 –(4.34)
11. Verma, K. K., **Suresh Kumar**, Vijay Kumar and Sunil Kumar. (2016) *An Asian Journal of Soil Science* 11(1):86-89 –(4.34)
12. Subhash Chandra, Pankaj Kumar and **Suresh Kumar** .(2016) *An Asian Journal of Soil Science* 11(1):95-97 –(4.34)
13. Zaidi, S.F.A., Suresh Kumar, Ram Bharose, Rajesh Kumar, and Verma, K. K. (2016). *An Asian Journal of Soil Science* 11(1):230-234- (4.34)
14. **Suresh Kumar**, Tiwari' S. K., Alok Kumar and Zaidi, S.F.A. (2016). *Journal of the Indian Society of Soil Science* 64(2):157-162- (5.23)
15. **Suresh Kumar**, Yadav, S. K. and Ved Prakash (2016). *Annals of Plant and Soil Research* 18(8):423-425- (4.39)
16. **Suresh Kumar**, S. K. Yadav, Ved Prakash and Adesh Kumar (2017). *National Academy of Science Letters-India* (ISSN0250-541X) 40(1):5-7 –(6.37)
17. Ram Bharose, **Suresh Kumar**, S. F. A. Zaidi, and Dinesh Kumar (2017) *Journal of Pharmacognosy and Phytochemistry spl*:278-280 – (5.21)
18. Ananad Sen, S. F. A. Zaidi and **Suresh Kumar** (2017). *Journal of Pharmacognosy and Phtochemistry Spl*:270-273 –(5.21)

Published Book: “Essentials of Soil Science” by Brillion Publishing, New Delhi-110005 ISBN No. 978-8193-222-64-5

iv) Recommendation/product development:

1. The 60 kg P₂O₅ + 20 sulphur + Zn 3 kg + ha⁻¹ was found superior followed by 60 kg P₂O₅ and 20 kg S ha⁻¹ + 3 kg Zn ha⁻¹ + spraying of boron (0.3%) for obtaining yield and economics of chickpea.
2. The recommendation of 60kg P₂O₅ ha⁻¹ along with inoculation of VAM may be made to the farmers of eastern U.P. for profitable cultivation of chickpea in *Rabi* season.
3. The application of phosphogypsum level @ 375 kg ha⁻¹ (60 kg Sha⁻¹) along with cultivar NDO-711 was found most appropriate for higher green forage yields and dry matter yield.
4. The incorporation of inorganic, organic and biofertilizers (FYM, Green manure, BGA) combination was found most effective in increasing the yield and quality of rice also helped in maintaining soil health for sustainable rice production.

Teaching work (2015- onward)

Semester	Name of course	Credit hours	Credit Load	
I	SS-111(N): Introduction to Soil Science	3(2+1)	1.5	
	SS-111(H): Fundamental of Soil Science	3(2+1)	1.5	
	SS-111(V): Fundamental of Soil Science	3(2+1)	1.5	
	SS-111: Principles of Soil Science	3(2+1)	3.0	
	BARS-111: Principles of Soil science	3(2+1)	3.0	
	SS-513: Soil Technology	3(2+1)	1.5	
	SS-515: Manures and Fertilizers	3(2+1)	1.5	
	SS-516: Instrumental Techniques of soil and plant analysis	3(2+1)	1.5	
	SS-613:Chemistry of Submerged Soil	3(2+1)	1.5	
	SS-615: Techniques of Soil Research and Instrumentation	3(2+1)	1.5	
	II	SS-121(N): Soil Chemistry, Soil Fertility and Nutrient Management	3(2+1)	1.5
		SS-221(N): Manures, Fertilizers and Agrochemicals	3(2+1)	1.5
SS-221(N): Soil and Plant Analysis		2(1+1)	1.0	
SS-221(V): Problematic Soils and their Management		2(2+0)	1.0	
CEL-421(N)I-2:Soil Management, Conservation, Problematic Soil, Soil Quality		4(1+3)	2.0	
CEL-421(N)I-5: Remote Sensing, GIS and Land Use Planning		3(1+2)	1.5	
SS-522: Soil Physics		3(2+1)	1.0	
SS-523: Soil Fertility and Plant Nutrition		3(2+1)	1.5	
SS-622: Physical Chemistry of Soil		3(2+1)	1.5	
SS-591: M. Sc. (Ag) Seminar		1(0+1)	0.5	
No. of students guided	M. Sc. 04	Ph. D. 01		
No. of students guiding	M. Sc. 03	Ph. D Nil		
Work plan for 2018-19				