

National Conference on
GLOBAL RESEARCH INITIATIVES FOR
SUSTAINABLE AGRICULTURE & ALLIED SCIENCES
(GRISAAS-2015)

DECEMBER 12-13, 2015

Venue : Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior



Organized By



Astha Foundation, Meerut (U.P.) INDIA

In Collaboration with



**Rajmata Vijayaraje Scindia
Krishi Vishwa Vidyalaya
GWALIOR (M.P.) INDIA**



**Society for Scientific Development in
Agriculture and Technology
MEERUT (U.P.) INDIA**



**Scientific Educational
Research Society
MEERUT (U.P.) INDIA**



**ALAKH - Social & Public
Welfare Organization
GWALIOR (M.P.) INDIA**

ABOUT ORGANIZATIONS

Astha Foundation (AF) was founded and registered in the year 2013. The prime objective of the society/trust is to promote the innovative practices in Agriculture and Allied Science. The society has authorized by **Dr. S.P. Singh, Chief Managing Director (CMD)** of the Executive Committee to publish a research journal "**Frontiers in Crop Improvement**" an official publication of the foundation. The first issue of the journal was released in the year 2013.

The **Society for Scientific Development in Agriculture and Technology (SSDAT)** was founded in 2005 and registered. The prime objective of the society is to promote the innovative practices in Agriculture and Allied Science. The society has authorized by **Dr. S.P. Singh, Secretary** of the Executive Committee to publish a research journal "**Progressive Research—An International Journal**" an official publication of the society which has been recognized by **National Academy of Agricultural Science (NAAS)** with **NAAS rating 3.16**. The first issue of the journal was released in the year 2006.

SERS is an autonomous research and educational organization registered under Societies Registration Act XXI of 1960 bearing registration no. 38/2014-15. SERS is mainly engaged in promotion of basic, applied and agricultural science to participate in national building programme. Society is also working in the area of conservation of nature and protection of environment.

The **ALAKH- a social and public welfare organization** is a registered society and has conducted many programmes in convergence mode for rural and urban areas to create awareness about governmental schemes and new innovations in various allied sectors including organic farming, women empowerment, skill development initiatives, vocational and adult education, consumer rights and literacy through use of mass media since 2003.

The **Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya**, Gwalior, was established in 2008. The working sphere of RVSKVV is spread over 26 districts of M.P., comprising five colleges, out of which four Agriculture and one Horticulture. There are five ZARS, four RARS, 19 KVK, 22 AICRP and several ad-hoc projects being implemented in the university to enhance the productivity and profitability of agriculture system.

Agriculture in India ranks first in terms of manpower engaged (70%) and is the primary source of staple food of more than 8 billion people in the world, most of whom live in Asia. Rice alone is grown in 44 million ha out of the total cultivable area of 145 m ha, consumes water (more than 50% irrigation water) and inputs (38-40% of fertilizers and 17-18% pesticides). Whereas crops like pulses (about 25 m ha) can be grown successfully even under rainfed situations during all three crop seasons. Agriculture in India is highly diversified and large number of crops are grown in different agro-climatic zones. Increasing use of inputs together with improved cultures and irrigation has contributed substantially to overall growth in crop production. Emerging problems and challenges in agriculture are multi-pronged. This warrants a knowledge based alleviation and management keeping in view the resource availability, cropping system, cropping intensity and nutrient flow in the system to economize input costs and improve factor productivity. In this context, deliberations in the national conference by eminent, galaxy of speakers may provide a more sustainable approach to crop production. GRISAAS-2015 is aimed with this intention under following themes :-

THEMES

The conference will offer inter-disciplinary plenary lectures, invited papers and parallel oral and poster presentations during concurrent sessions on specialized topics under following themes :-

- Theme 1 :** Innovative Technologies for Crop Improvement
- Theme 2 :** Recent Trends in Biotechnology and Genetic Engineering
- Theme 3 :** Biodiversity and IPRs : Issues and Challenges
- Theme 4 :** Farming Systems Integration under Global Climate Change Scenario
- Theme 5 :** Global Initiatives for Sustainable Natural Resource Management
- Theme 6 :** New Frontiers in Disease and Pest Management
- Theme 7 :** Food Processing, Value Addition and Post Harvest Technology
- Theme 8 :** Economic Policies and Agricultural Research
- Theme 9 :** Advances in Basic and allied Sciences
- Theme 10 :** Knowledge Dissemination and Learning Systems in Agriculture
- Theme 11 :** Innovations in Veterinary Science and Animals Husbandry

Call for Abstracts/Papers : The original research papers/abstracts/conceptual papers related to the conference themes are invited from all the stakeholders' viz. students, faculties of SAU's/ICAR institutes and PSUs/Companies/Private organizations. The soft copy of the Papers/Abstracts/Conceptual papers may be sent to the Organizing Director of the conference on or before 15.11.2015.

Submission of Full Length Papers : Full length research paper, **Maximum in 6-7 pages** should be submitted by **15th November, 2015** through email at grisaas2015@gmail.com as per **Progressive Research - An International Journal**, paper format (see the format at <http://www.ssdattmeerut.com>). Intimation of acceptance of full research paper will be **within one Week** of submission time. After its acceptance, delegates should pay the full length paper charges of **Rs. 3000/per paper**. Delegates having full length paper in the conference accepted need not to pay any other registration amount of the conference and their registration amount will be waived out completely. However, they will continue to enjoy full other benefits of the conference.

Invited, Oral and Poster presentations : Leading scientists and faculties from India and abroad will present their works in Invited, Oral and Poster form. The dimensions of the poster should not increase 4ft x 3ft length and width wise. Flex/Glossy and Pictorial representations should be clearly and perceptibly visible for judging. Names and Institute affiliations are a must in all the posters.

CONFERENCE AWARDS

Interested persons are requested to submit two hard copies with CD (Rich Text File Formate) of their bio-data **Addressed to Dr. S.P. Singh, 85, Phool Bagh Colony, Main Road, Meerut-250002 (U.P.) INDIA** or either send by mail (**grisaas2015@gmail.com**) to the **Organizing Director/Convener**, GRISAAS-2015 by 15.11.2015. Conference Registration Fee and Society Contribution (Non Refundable/Non Transferable) should be send through Cash/Demand Draft/CBS Cheque/Bank Transfer to the Account of concern society form which award to be claimed.

Astha Foundation (AF)

- | | | |
|----------------------------------|--------------------------------|----------------------------------|
| 1. Ch. Dimag Singh Award | 2. Life Time Achievement Award | 3. Distinguished Scientist Award |
| 4. Outstanding Achievement Award | 5. Scientist of the Year Award | 6. Young Scientist Award |
| 7. Excellence in Teaching Award | 8. Fellow Award | 9. Scientist Associate Award |

Society for Scientific Development in Agriculture and Technology (SSDAT)

- | | | |
|---------------------------------------|---|----------------------------------|
| 1. Ch. Hansa Singh Award | 2. Life Time Achievement Award | 3. Distinguished Scientist Award |
| 4. Outstanding Achievement Award | 5. Excellence in Teaching Award | 6. Scientist of the Year Award |
| 7. Young Scientist Award | 8. Fellow Award | 9. Scientist Associate Award |
| 10. Excellence in Communication Award | 11. Outstanding Interdisciplinary Team Research Award | 12. Innovative Farmers Award |

SSDAT Bank Detail : Society contribution **Rs. 4000/-** can be paid by Cash/Demand Draft/Bank Transfer in favour of **Society for Scientific Development in Agriculture and Technology** payable at **Meerut. (Oriental Bank of Commerce, A/C No. 52272191008834, IFSC Code : ORBC0105227)** Contact ID form Confirmation : **dr.sp.singh24@gmail.com**, Mob : 09450068438, 08273775051

Scientific Educational Research Society (SERS)

- | | | |
|---|--|--------------------------------------|
| 1. Outstanding Investigator Award | 2. Environmental Protection Res. Award | 3. SERS Excellence in Teaching Award |
| 4. Innovative Scientist of the Year Award | 5. Author of the Year Award | 6. Young Scientist Award |
| 7. Fellow Inventor Award | | |

SERS Bank Detail : Society contribution **Rs. 4100/-** can be paid by Cash/Demand Draft/Bank Transfer in favour of **Scientific Educational Research Society, Meerut. (Canara Bank, University Road, Meerut, A/C No. 8580101006258, IFSC Code No. CNRB0008580, MICR Code 250015004)** Contact ID form Confirmation : **drshailendra1975@gmail.com**, Mob : 09412782201

Important Dates

Last date for receipt of advance registrations	:	November 15, 2015
Last date for receipt of abstracts/papers	:	November 15, 2015
Confirmation of participation and intent for accommodation required	:	November 20, 2015
Progressive Research-An International Journal full length papers	:	November 15, 2015

Category	Registration fee (Before due date)	On spot Registration Fee
Students/ Research Fellows	Rs. 1500/-	Rs. 2000/-
Faculties/Scientists/Scientist Associate	Rs. 3000/-	Rs. 4000/-
Private Organizations/Industries/etc.,	Rs. 4000/-	Rs. 5000/-

Conference Bank Detail : Conference Registration fee and Society Contribution **Rs. 4000/-** for Astha Foundation must be paid in advance through Cash/Demand Draft/CBS Cheque/ Bank Transfer in favour of **ASTHA FOUNDATION**, Payable at **Meerut**. Participant may also send the duly filled registration form by Email. (**Bank of India, Begum Bridge Branch, A/c No. 720510110012142, IFSC Code BKID0007205**) Email : **grisaas2015@gmail.com, dr.sp.singh24@gmail.com, Mob : 09450068438, 08273775051**

Lodging and boarding : Lodging and boarding facilities will be provided on paid basis once requested well in advance to all the delegates in and around RVSKVV, Gwalior. They are requested not to bring their family members, as the accommodation is strictly meant for delegates only. No TA/DA will be paid by the organizers to the delegates. Tariffs in some of the hotels in and around RVSKVV, Gwalior, range from Rs. 1000-3000/ single occupancy/day available with all modern facilities. Guest house accommodation in and around RVSKVV, Gwalior, is limited and will be done on priority, provided prior intent and registration form along with conference fee is received well before due date.

About Gwalior City : Gwalior is known as 'The land of music, art and history'. It is the birth place of the legendary Miyan Tansen (Sangeet Samrat). The city is proud of its ancient culture blended with modern outlook. Gwalior fort is the heart of this city built by Raja Man Singh Tomar, of the Tomar dynasty, There are several other monuments built inside the fort area, such as **Man Mandir, Gujar Mahal, Hathi Pool, Teli ka Mandir, Shatrabahu Temple, Tansen Samadhi and Mohamad Gosh ka Makbara and Gurudwara Data Bandi. Jai Vilas Palace** is also the historical built in the scindia dynasty. Sun temple is also worth visiting. Gwalior city is well connected by road/train with rest of the country. It also have regular flights from Mumbai/Delhi

Weather : During December, the weather will be calm & soother and temperature ranges form 12-15°C

AWARD SCREENING COMMITTEE

- Dr. S.K. Chaturvedi, Kanpur (Chairman)
- Dr. Bijender Pal, Hyderabad (Convener)
- Dr. S.S. Gaurav, Meerut (Member)
- Dr. D.P. Chaudhary, Ludhiana (Member)
- Dr. Y.K. Singh, Kanpur (Member)
- Dr. M. Vijaya Sai Reddy, Anantapur, (Member)

PUBLICATION COMMITTEE

- Dr. S.P. Singh, Aligarh (Chairman)
- Dr. M.M. Patel, Gwalior (Convener)
- Dr. Shobhana Gupta, Gwalior (Member)
- Dr. J.B. Singh, Indore (Member)
- Dr. Brajendra, Hyderabad (Member)
- Dr. Nitin B. Patel, Junagadh (Member)
- Dr. Y.D. Mishra, Gwalior (Member)
- Dr. Shilpi Verma, Neemuch (Member)
- Dr. Netrapal Malik, Aligarh (Member)
- Dr. S.K. Biswas, Kanpur (Member)
- Dr. Rajeev R. Kumar, Pantnagar (Member)
- Dr. Kaushal Kumar, Kanpur (Member)

Chief Patron : Dr. J. S. Sandhu, DDG (Crop Science), ICAR, New Delhi

Chairman : Dr. A.K. Singh, Vice Chancellor, RVSKVV, Gwalior

Patrons :

Prof. Munna Singh, Vice Chancellor, C.S.A. Univ. of Agric. and Tech., Kanpur
Dr. P.M. Salimath, Vice Chancellor, University of Agricultural Science, Raichur
Dr. S.K. Patil, Vice Chancellor, Indra Gandhi Krishi Vishwavidyalaya, Raipur
Dr. A. Padmaraju, Vice Chancellor, ANGRAU, Rajendranagar, Hyderabad

Organizing Director/Convener :

Dr. S. P. SINGH, Scientist (Plant Breeding), A.R.S., Kalai, Aligarh (CSAUAT, Kanpur) Mob. : 09450068438, 08273775051

Organizing Co-Conveners :

Dr. Brajendra, Sr. Scientist (Soil Science), IIRR, Hyderabad, Mob. : 09177210995, 09490729932

Dr. S.S. Gaurav, Coordinator, Deptt. of Biotechnology, C.C.S. University, Meerut, Mob. : 09412782201, 9897539393

Contact Emails : grisaas2015@gmail.com, dr.sp.singh24@gmail.com

ADVISORY BOARD

Dr. B.B. Singh, ADG, ICAR, New Delhi
Dr. P.K. Agrawal, ADG, ICAR, New Delhi
Dr. I.S. Solanki, ADG, ICAR, New Delhi
Dr. O.P. Yadav, Director, IIMR, New Delhi
Dr. K.P. Singh, Director, DFR, Pune

Dr. Rajeev Varshney, Director, Grain Legume, ICAR, Hyderabad
Dr. K.P. Vishwanatha, Director Extension, UAS, Raichur,
Dr. Samir Pal, Dean College of Agriculture, CSAUAT, Kanpur
Dr. B.S. Baghel, Dean Faculty of Agriculture, RVSKVV, Gwalior
Dr. G.S. Ameta, Director Research, MPUAT, Udaipur,

National Steering Committee

Dr. P.M. Gaur, ICRISAT, Hyderabad
Dr. Bijendra Pal, Bioseed, Hyderabad
Dr. Anita Babber, JNKVV, Jabalpur
Dr. U.S. Tiwana, PAU, Ludhiana
Dr. O.N. Singh, CRRI, Cuttack
Dr. Manoj Mishra, VBSPU, Jaunpur
Dr. C. Narendra Reddy, ANGRAU, Hyd.
Dr. Rajiv Kumar Doharey, NDUAT, Faizabad
Dr. Hariram, Ludhiana

Dr. H.G. Prakash, CSAUAT, Kanpur.
Dr. Pooran Chand, SVBPUAT, Meerut
Dr. Gyanendra Singh, DWR, Karnal
Dr. H.C. Nanda, IGKV, Raipur
Dr. Rajendra Lakpale, IGKV, Raipur
Dr. S.B. Singh, RRS&SPC, Begusarai
Dr. Ravindra Kumar, BAU, Ranchi
Dr. R. Lokesh, UAS, Raichur
Dr. A.S. Jeena, Pantnagar

Dr. H.S. Yadava, RVSKVV, Gwalior
Dr. S.K. Srivastava, RVSKVV, Gwalior
Dr. Y.M. Kool, RVSKVV, Gwalior
Dr. R.L. Rajput, RVSKVV, Gwalior
Dr. Suresh Singh Tomar, RVSKVV, Gwalior
Dr. U.K. Tripathi, CSAUAT, Kanpur
Dr. Mahak Singh, CSAUAT, Kanpur
Dr. A. Vishnu V. Reddy, ANGRAU, Hyd.
Dr. S.R. Maloo, MPUAT, Udaipur

National Organizing Committee

Dr. S.K. Pandey, Barrackpore
Dr. Vishwajit Singh, Aligarh
Dr. L.R. Gurjar, Avikanagar
Dr. Kaushal Kumar, Kanpur
Dr. T.S.S.K. Patro, Vizianagaram
Dr. Sarvesh Kumar, Kanpur
Dr. R.L. Chavan, Dharwad
Dr. Nand Kumar, Kanpur
Dr. Y.K. Singh, Kanpur
Dr. Manoj Kumar, Jodhpur
Dr. M.P. Jain, Indore
Dr. Vijay Garg, Modinagar
Dr. A.K. Morya, Sabour
Dr. Jyoti Kumari, New Delhi
Dr. Tarun Kumar, Unnao

Dr. D.P. Chaudhary, Ludhiana
Dr. A.K. Chaurasia, Allahabad
Dr. Brij Nandan, Jammu
Dr. Ajay Kumar Tiwari, Mau
Dr. M. Vignesh, New Delhi
Dr. V.P. Singh, Pantnagar
Dr. N.A. Tufani, Kashmir
Dr. A.K. Singh, Gwalior
Dr. Joginder Singh Malik, Hisar
Dr. G.S. Panwar, Sabour
Dr. Amit Kumar, Mathura
Dr. Satendra K. Mangrauthia, Hyd.
Dr. Neetu Singh, Ghaziabad
Dr. C.M. Saxena, Kanpur
Dr. Nirbhay Singh, Bah-Agra

Dr. Ekhlauq Ahmed, Ranchi
Dr. Pravin Vaidya, Latur
Dr. S.S. Porte, Jabalpur
Dr. P.K. Sharma, Aligarh
Dr. L.K. Sharma, Junagadh
Dr. Devendra Singh, Kanpur
Dr. Javed Bahar Khan, Kanpur
Dr. Rajendra Kumar Yadav, Kanpur
Dr. T. Uma, Bangalore
Dr. G. Mariappan, Coimbatore
Dr. S.P. Giri, Mashodha
Dr. A.K. Vishwakarma, Bhopal
Mr. Baudh Bharti, Udaipur
Dr. Ashish Kumar, Rewa
Dr. Pradeep Kumar, Meerut

Dr. D.K. Verma, Mashodha
Dr. Kumud Singh, Mashodha
Dr. Bharti N.Bhatt, Hyderabad
Dr. S.B. Kumar, Ranchi
Dr. Brijpal Bisen, Jabalpur
Dr. Bhagat Singh, Indore
Dr. Shweta Tripathi, Faizabad
Dr. M.P. Singh, Bakewar
Dr. Suneetha Kota, Hyderabad
Dr. Vivek Pandey, Ranichauri
Dr. Yadendra Kumar, Hyderabad
Dr. Seema Sonkar, Kanpur
Mr. B. Nagendra Reddy, Hyderabad
Dr. R. Vinoth, Combatores
Dr. Deepak Kumar, Bhauguna, Meerut

Organizing Secretary :

Dr. M.M. Patel, Prof. & Head, Deptt. of Extension Education
RVSKVV, Gwalior, Mob. : 08959032710

Dr. S.K. Chaturvedi, PS & Head Crop Improv. Div.
IIPR, Kanpur, Mob. : 0936214977

Dr. M. Vijaya Sai Reddy, Principal Scientist (Plant Breeding)
ARS, Anantapur Mob : 08008030069

Dr. Mohd. Ayub Ansari, Assoc. Prof.(Chemistry)
BBC, Jhansi, Mob : 09450270110

Dr. T. Ramprakash, Asstt. Prof. (Soil Science)
PJ TSAU, Hyderabad

Dr. Y.D. Mishra, SMS (Agril. Ext.)
DES Office, RVSKVV, Gwalior

Dr. Kuldeep Dwivedi, Head (Basic Science)
ITM, Univeristy, Gwalior

Dr. Vivek Yadav, Jr. Agronomist
ZRS, Nagina, Bijnor

Dr. Netrapal Malik, SMS (Agril. Ext.)
KVK, Aligarh

Dr. Pratap Bhan Singh, Asstt. Prof.GPB
MPUAT, Udaipur

Dr. V.K. Umrao, Assoc. Prof.
CSSS, Machhra, Meerut

Dr. G.U. Kulkarni, Asstt. Prof., PBG
Junagadh Agri. Uni. Junagadh

Dr. Balwinder Kumar Asstt. Prof./Farm Manager
GADVASU, Ludhiana

CONTACT PERSONS

Dr. S. P. SINGH (Organizing Director/Convener, GRISAAS-2015) M : 09450068438, 08273775051

Dr. M.M. Patel (Organizing Secretary, GRISAAS-2015) M : 08959032710

Dr. Brajendra (Organizing Co-Convener, GRISAAS-2015) M : 09177210995, 09490729932

Dr. Shobhana Gupta (Organizing Co-Ordinator, GRISAAS-2015) Mob : 9806913409

HELPLINE NUMBERS

Dr. S.P. Singh 09450068438, 9411479279, 08273775051, **Dr. Brajendra** 09490729932, 09177210995

Dr. Shobhana Gupta 9806913409, **Dr. M.M. Patel** 8959032710

Contact Emails : grisaas2015@gmail.com, dr.sp.singh24@gmail.com

**National Conference on
GLOBAL RESEARCH INITIATIVES FOR
SUSTAINABLE AGRICULTURE & ALLIED SCIENCES (GRISAAS-2015)**

DECEMBER 12-13, 2015

Venue : Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior (M.P.) INDIA

REGISTRATION FORM

Please fill in CAPITAL Letter

Full Name : Mr./Ms./Prof./Dr. _____

Designation _____

Organization _____

Mailing Address _____

Telephone _____ Mobile _____

Fax No. _____

Email Id _____

Email will be used for all further communication

Accompanying person/s (if any) _____

Accommodation required _____

Registration Fee Details : Cash/ DD No. _____ Date _____

Name of Bank _____

Signature _____ Date _____

Conference Registration fee and Society Contribution Rs. 4000/- for Astha Foundation must be paid in advance through Cash/Demand Draft/CBS Cheque/ Bank Transfer in favour of **ASTHA FOUNDATION**, Payable at **Meerut**. Participant may also send the duly filled registration form by Email. (**Bank of India, Begum Bridge Branch, Account No. 720510110012142, IFSC Code BKID0007205**), Email : **grisaas2015@gmail.com, dr.sp.singh24@gmail.com, Mob : 09450068438, 08273775051**

Category	Registration fee (Before due date)	On spot Registration Fee
Students/Research Fellow	Rs. 1500/-	Rs. 2000/-
Faculties/Scientists/Scientist Associate	Rs. 3000/-	Rs. 4000/-
Private Organizations/Industries/etc	Rs. 4000/-	Rs. 5000/-

Important Dates

Last date for receipt of advance registrations : **November 15, 2015**
Last date for receipt of abstracts/papers : **November 15, 2015**
Confirmation of participation and intent for accommodation required : **November 20, 2015**
Progressive Research-An International Journal full length papers : **November 15, 2015**

CONTACT PERSONS

Dr. S. P. SINGH (Organizing Director/Convener, GRISAAS-2015) M : 09450068438, 08273775051

Dr. M.M. Patel (Organizing Secretary, GRISAAS-2015) M : 08959032710

Dr. Brajendra (Organizing Co-Convener, GRISAAS-2015) M : 09177210995, 09490729932

Dr. Shobhana Gupta (Organizing Co-Ordinator, GRISAAS-2015) Mob : 9806913409

Contact Emails : grisaas2015@gmail.com, dr.sp.singh24@gmail.com

Correspondence Address :- Dr. S.P. Singh, 85, Phool Bagh Colony, Main Road, Meerut-250002 (U.P.) INDIA