

# **Third SAS-N Convention**

“Agricultural Research for Enhancing Livelihood of Nepalese People”

## **Programme**

August 27 – 29, 2008  
(Bhadra 11-13, 2065)

Nepal Agricultural Research Council, Khumaltar, Lalitpur, Nepal

**Society of Agricultural Scientists, Nepal (SAS-N)**  
**2065**

## Programme Schedule

**Day 1, Bhadra 11, 2065 (August 27, 2008)**

**Venue: Nepal Administrative Staff College, Jawalakhel**

<b>REGISTRATION AND INAUGURAL PROGRAMME</b>		
Time	Programme	
08:00 -09:00	<b>Registration of the participants</b>	
10:00-12:00	<b>Inaugural programme:</b> <b>Chief Guest:</b> <b>Chair: Dr. Adarsha Pradhan, President SAS</b> <b>M/C: Dr. Sri Ram Neupane</b>	<b>Rapporteurs:</b> Mr. Gopal Parajuli Mr. Naresh Thakur Mrs. Sabita M Amatya
	Welcome address	
	Objectives of the SAS Convention	
	Inauguration of the Convention	
	Towards a pro-poor agricultural research and policy in Nepal	D Chapagain and M Joshi
	Emerging Food Security: Challenges and sustainable management	KR Regmi and M Joshi
	Inauguration Address	
	Vote of thanks	
	Chairperson's Concluding Remarks	
	<b>Tea Break/Refreshment</b>	

<b>STRATEGIC PAPERS (SP)</b>			Rapporteurs:
<b>Chair: Dr. N. P. Shrestha, Former ED of NARC</b>			Dr. SM Pradhan Mr. KK Shrestha Dr. Madhav Aryal
<b>Venue: Nepal Administrative Staff College, Jawalakhel</b>			
Code	Time	Title of the paper	Speakers
SP 1	12:00	Emerging issues and strategies in managing plant protection measures in Nepal	SL Joshi and BK Gyawali
SP 2	12:15	Ethics of Agronomists: An issue for professional dimension in agriculture research and development	MN Paudel
SP 3	12:30	Food security: Contribution and vision for sustainable wheat production in Nepal	MR Bhatta
<b>12:45</b>		<b>Discussion</b>	
<b>13:00</b>		<b>Lunch break</b>	
SP 4	14:00	Food security: Contribution and vision for sustainable maize production in Nepal	DB Gurung
SP 5	14:15	Food security: Contribution and vision for sustainable potato production in Nepal	RC Adhikari, GP Rai and J Ghimire
SP 6	14:30	Natural resource conservation for ensuring sustainable livelihoods of the people of Nepal	KB Karki and DP Sherchand
	14:45	<b>Discussion</b>	
SP 7	15:00	Livelihood security through livestock and fisheries research and development in Nepal	BR Joshi, TB Gurung and L Sherchan
SP 8	15:15	Food security: Contribution and vision for sustainable goat production in Nepal	CR Upreti, BK Shrestha and MB Nepali
SP 9	15:30	Dairy animal research in Nepal: Current status and future strategies	SM Pradhan, BS Shrestha and A Pradhan
<b>15:45</b>		<b>Discussion</b>	
<b>16:00</b>		<b>Chairperson's remarks</b>	

**Day 2**  
**Bhadra 12, 2065 (August 28, 2008)**

**Venue: Soil Science Division Hall**

<b>Group A:</b>		<b>Horticulture Research (HR)</b>		<b>Morning Session</b>
		(Agro., Patho., Ento., Soil, Post harvest, Agri. Eng.,)		
<b>Chair: Mr. SK Adhikari, Director, NARI</b>			<b>Rapporteurs:</b>	
<b>Co-Chair: Mr. PL Shrestha, Director, Extension Directorate, DOA</b>			Mr. IP Gautam Mr. SJ Bhusal	
HR 1	9:00	Effect of corm size and planting depth on flower quality and corm yield of gladiolus	S Piya et al.	
HR 2	9:10	Effect of hilling and harvesting dates on pre-basic seed potato production from rooted stem cuttings	BM Sakha	
HR 3	9:20	Effect of organic nutrients on cauliflower production in Dailekh	TB Poon et al.	
HR 4	9:30	Effect of plant growth regulators on growth, sex expression and fruit yield in bottle gourd	SL Shrestha et al.	
<b>9:40</b>		<b>Discussion</b>		
<b>10:00</b>		<b>Tea break</b>		
HR 5	10:20	Response of okra (var. Parbhani Kranti) to sulphur and boron for yield and quality of seed in farm condition of ARS Malepatan, Pokhara	J Ghimire et al.	
HR 6	10:30	Evaluation of cucumber genotypes for open field and plastic house in the western hill of Nepal	IP Gautam et al.	
HR 7	10:40	Evaluation of plastic covered environment in cucumber for mid-hill condition of Nepal	GB Manandhar et al.	
HR 8	10:50	Evaluation of potato clones at mid and high hills of Nepal	BP Luitel and GD Subedi	
<b>11:00</b>		<b>Discussion</b>		
HR 9	11:20	Floriculture research in Nepal	AB Pun and UK Pun	
HR 10	11:30	Performance of potato clones against the blight disease under Terai and mid hill conditions of Nepal	BP Sharma et al.	
HR 11	11:40	Off-season production technology for pineapple	K Ghimire et al.	
HR 12	11:50	Opportunities and constraints of hybrid vegetable production in Nepal	MB Nepali et al.	
<b>12:00</b>		<b>Discussion</b>		
HR 13	12:20	Participatory cabbage varietal evaluation for rainy season production in the western hills	YR Pandey	
HR 14	12:30	Performance of different generation (F <sub>1</sub> C <sub>1</sub> -F <sub>1</sub> C <sub>4</sub> ) TPS tubers for commercial potato production	RC Adhikari	
HR 15	12:40	Performance of pole type French bean in the western hills of Nepal	JN Chaudhary et al.	
HR 16	12:50	Physio-morphological evaluation of banana ( <i>Musa spp</i> ) genotypes at Nepalgunj	S Ahamad and RB KC	
<b>13:00</b>		<b>Discussion</b>		
<b>13:20</b>		<b>Chairman's closing remarks</b>		
<b>13:30</b>		<b>Lunch Break</b>		

**Day 2**  
**Bhadra 12, 2065 (August 28, 2008)**

**Venue: Soil Science Division Hall**

<b>Group A</b>		<b>Horticulture Research (HR)</b>		<b>Afternoon Session</b>
(Agro., Patho., Ento., Soil, Post harvest, Agri. Eng.,)				
<b>Chair: Mr. DN Manandhar, Former Director, NARC</b>			<b>Rapporteurs:</b>	
<b>Co-Chair: Mr. Gopal Shrestha, Director, Horticulture Directorate, DOA</b>			Dr. RD Timila Mr. RB KC	
HR 17	14:30	Response of bottle gourd and lady's finger vegetables to irrigation and fertilizer applications for yield improvement and crop diversification	KR Adhikari et al.	
HR 18	14:40	Response of okra varieties to sowing dates in spring summer at Rampur, Chitwan, Nepal	TR Chapagain et al.	
HR 19	14:50	Use of ethephone and indigenous plant materials to ripen banana in winter	RB KC and DM Gautam	
HR 20	15:00	Varietal evaluation of cowpea ( <i>Vigna sinensis</i> )	MS Ghale	
<b>15:10</b>		<b>Discussion</b>		
HR 21	15:30	A new approach on time and method of nitrogen application for seed production of radish cv. Mino Early in mid-western hills of Nepal	UK Acharya and IP Gautam	
HR 22	15:40	<i>In vitro</i> plant regeneration of large cardamom ( <i>Amomum subulatum</i> rox.)	N Subba et al.	
HR 23	15:50	<i>In vitro</i> plant regeneration of Citrus lemon by axillary branching and <i>de novo</i> organogenesis	GD Subedi and UK Acharya	
HR 24	16:00	Study on quality parameters of orthodox and green tea production in Nepal	MB Shrestha et al.	
HR 25	16:10	Club root disease of <i>brassica</i> vegetables: non-chemical tools for its integrated management	RD Timila	
<b>16:20</b>		<b>Discussion</b>		
<b>16:40</b>		<b>Tea break</b>		
HR 26	16:50	Disease status and generic Pest Risk Analysis (PRA) of potato	BN Mahato	
HR 27	17:00	Study on soil amendments to manage rhizome rot disease of ginger	DK Chaudhary et al.	
HR 28	17:10	Management of tomato fruit worm through bio-control method during spring season production in western hills of Nepal	RC Gouli	
HR 29	17:20	Monitoring of citrus fruit flies with different lures and its management on sweet orange orchard	ARS Bajracharya et al.	
HR 30	17:30	Development of roller type hand operated coffee pulper	S Shrestha	
<b>17:40</b>		<b>Discussion</b>		
<b>18:00</b>		<b>Chairman's closing remarks</b>		

**Day 2**  
**Bhadra 12, 2065 (August 28, 2008)**

**Venue: NARI Conference Hall**

<b>Group B</b>		<b>Crops Research (CR)</b>		<b>Morning Session</b>	
(Agro., Patho., Ento., Soil, Post harvest, Agri. Eng)					
<b>Chair: Dr. KR Regmi, Former Senior Scientist, NARC</b>				<b>Rapporteurs:</b> Mr. Bhawana Shrestha Mr. Tika B. Karki	
<b>Co-Chair: Mrs. Neeru Dahal, DOA</b>					
CR 1	9:00	Effect of fodder species <i>Bauhinia purpurea</i> and <i>Albizia julibrissin</i> on growth and yield of maize and millet in the eastern hill	TP Barakoti and SR Katuwal		
CR 2	9:10	Effect of nitrogen levels and plant densities on the grain production of maize ( <i>Zea mays</i> var. Deutee) at the acid soils of Rampur, Chitwan	BH Adhikari and BR Pandey		
CR 3	9:20	Evaluation of finger millet ( <i>Eleusine coracana</i> ) genotypes in mid-hills of western Nepal	DR Kandel and RCP Shah		
CR 4	9:30	Highlights on rice varieties of various environments in Nepal	SP Khatiwada and HK Upreti		
<b>9:40</b>		<b>Discussion</b>			
<b>10:00</b>		<b>Tea break</b>			
CR 5	10:20	How quality protein maize (QPM) varieties are being disseminated in the western hills of Nepal?	KB Koirala et al.		
CR 6	10:30	Jute research and development in Nepal: Status and future strategies	B Chaudhary		
CR 7	10:40	On-farm performance of QPM (Quality Maize Protein) genotypes under rainfed hill environments of Nepal	SR Upadhyay et al.		
CR 8	10:50	Rice varieties under direct dry seeding: Prospectus for resource conservation practices	JD Ranjit et al.		
<b>11:00</b>		<b>Discussion</b>			
CR 9	11:20	Role of legume inter-cropping in sustainable farming in mid-hills of Nepal	G Shrestha et al.		
CR 10	11:30	Varietal study on quality protein maize in the eastern hills of Nepal	SN Sah and SR Upadhaya		
CR 11	11:40	Survey on occurrence and distribution of weeds in tea lands of Nepal	PK Yadav and RC Adhikari		
CR 12	11:50	Conservation agriculture: A system for sustainable food production	G Sah et al.		
<b>12:00</b>		<b>Discussion</b>			
CR 13	12:20	An Assessment of soil fertility status and carbon stock estimation of Hasantar community forest and its adjoining areas	S Thapa and KB Karki		
CR 14	12:30	Effect of long term application of organic and inorganic manure on physical properties of soil	RC Munankarmy		
CR 15	12:40	Graham's colorimetry: As an estimate of soil organic carbon in Chitwan valley soils, Nepal	R Ghimire et al.		
CR 16	12:50	Quality improvement of farm yard manure and response in crops in western hills of Nepal	EM Bhattarai and BB Pant		
<b>13:00</b>		<b>Discussion</b>			
<b>13:20</b>		<b>Chairman's closing remarks</b>			
<b>13:30</b>		<b>Lunch break</b>			

**Day 2**  
**Bhadra 12, 2065 (August 28, 2008)**

**Venue: NARI Conference Hall**

<b>Group B</b>		<b>Crops Research (CR)</b>	<b>Afternoon Session</b>
(Agro., Patho., Ento., Soil, Post harvest, Agri. Eng)			
<b>Chair: Mr. ML Jaiswal, Former Senior Scientist, NARC</b>			<b>Rapporteurs:</b>
<b>Co-Chair: Mahesh Man Shrestha, MOAC</b>			Mr. J. Ghimire Mrs. Sudha Sapkota
CR 17	14:30	Association mapping for improvement of quantitative traits in plant breeding populations crop	UR Rosyara and BK Joshi
CR 18	14:40	Buckwheat genepool in Nepal	BK Joshi et al.
CR 19	14:50	DNA finger printing and genetic diversity of improved and wild rice population estimated by SSR markers	J Bajracharya and S Singh
CR 20	15:00	Heterosis and combining ability of Nepalese yellow maize populations	DB Gurung et al.
<b>15:10</b>		<b>Discussion</b>	
CR 21	15:30	Use of <i>trichoderma</i> on chicken manure composting	BR Khadage
CR 22	15:40	Effect of drying and milling on yield of head rice of paddy	MJ Thapa et al.
CR 23	15:50	Incidence of Helminthosporium leaf blight pathogens <i>Bipolaris sorokiniana</i> and <i>Pyrenophora tritici-repentis</i> in eastern lowlands of Nepal	YR Kandel
CR 24	16:00	Influence of soil pH and initial population density of root lesion nematodes ( <i>Pratylenchus spp.</i> ) on their multiplication in maize	S Baidya
CR 25	16:10	Major soil and foliar biotic constraints associated with rice-wheat system	S Sharma et al.
<b>16:20</b>		<b>Discussion</b>	
<b>16:40</b>		Tea break	
CR 26	16:50	Suppression of foot rot disease of rice using compost and vermi-compost tea	SR Pant et al.
CR 27	17:00	Performance of silkworm races feeding on different mulberry cultivars in mid-hill condition	S Bista et al.
CR 28	17:10	Population dynamics of common species of white grubs in maize based cropping system in Nepal	YD GC
CR 29	17:20	Study on ecology and management of snails ( <i>helicidae</i> ) in western region of Nepal	HP Pathak et al.
CR 30	17:30	Design and development of drudgery reducing agricultural equipments	KB Shrestha et al.
<b>17:40</b>		<b>Discussion</b>	
<b>18:00</b>		<b>Chairman's closing remarks</b>	

**Day 2**  
**Bhadra 12, 2065 (August 28, 2008)**

**Venue: Entomology Division Hall**

<b>Group C Out-reach, Socio-economic and Cross-cuttings (OR)</b>			<b>Morning Session</b>
<b>Chair: Dr. SL Joshi, Former Chief Entomologist, NARC</b>		<b>Rapporteurs:</b>	
<b>Co-Chair: Mrs. Nalini Singh, DOA</b>		Mrs. Sharada Joshi	
		Mr. Yuba Raj Kandel	
OR 1	9:00	Can organic farming sustain crop productivity in Nepal? A review	NP Adhikari and SP Vista
OR 2	9:20	Enhanced soil fertility and crop productivity of Bari land through integration of legumes in the western hills of Nepal	TB Karki et al.
<b>9:40</b>		<b>Discussion</b>	
OR 3	10:10	Impact of irrigation in agricultural system and ways forward for productivity increment	PP Khatiwada and PB Chemjong
OR 4	10:30	Large cardamom marketing and pricing system in Nepal	KP Shrestha et al.
<b>10:50</b>		<b>Discussion</b>	
<b>11:20</b>		<b>Tea Break</b>	
OR 5	11:40	Participatory crop improvement and value addition of Nepalese finger millet cultivars: Pipaltar, Nuwakot Experience	S Bajracharya et al.
OR 6	12:00	Adoption of rice based technologies in marginal uplands in Siwalik	HK Shrestha et al.
<b>12:20</b>		<b>Discussion</b>	
<b>12:50</b>		<b>Lunch Break</b>	

<b>Group C Out-reach, Socio-economic and Cross-cuttings (OR)</b>			<b>Afternoon Session</b>
<b>Chair: Mr. BK Gyawali, Former Chief Entomologist, NARC</b>		<b>Rapporteurs:</b>	
<b>Co-Chair: NCT Shrestha, DOA</b>		Mr. NK Yadav	
		Mr. Sanjaya Bista	
OR 7	13:50	Study on poverty reduction through adoption of major grain legumes techniques in Chitwan district	KR Joshi et al.
OR 8	14:10	The development and agricultural technology transfer in Asia: A case of Nepal	S Sapkota and B Shrestha
<b>14:30</b>		<b>Discussion</b>	
OR 9	15:00	Consumer's willingness to pay for organic vegetables in the Kathmandu Valley	GD Bhatta et al.
OR 10	15:20	Economy and market of baby corn in Nepal	KP Upadhyay et al.
<b>15:40</b>		<b>Discussion</b>	
OR 11	16:20	Enhancing livelihoods of ultra-poor farmers through micro-irrigation technologies	DP Chapagain and BK Acharya
OR 12	16:40	Restoration of small lakes through co-operative management: A suitable strategy for poverty laden areas in developing countries?	TB Gurung
<b>17:00</b>		<b>Discussion</b>	
<b>17:30</b>		<b>Chairman's closing remarks</b>	

**Day 2**  
**Bhadra 12, 2065 (August 28, 2008)**

**Venue: NASRI Hall**

<b>Group D</b>		<b>Livestock and Fisheries (LF)</b>	<b>Morning Session</b>
<b>Chair: Mr. SB Pandey, Director, NASRI</b> <b>Co-Chair: Prabhakar Pathak, DLS</b>			<b>Rapporteurs:</b> Dr. Rama Bhurtel Mr. Megh R. Tiwari
LF 1	9:00	An outbreak of histomoniasis in a turkey flock of Regional Agriculture Research Station, Parwanipur	DK Singh and JP Yadav
LF 2	9:15	An overview of bovine paratuberculosis in Nepal	UM Singh et al.
LF 3	9:30	Boer goat an alternate breed to increase meat production in Nepal: A review	SB Pandey
LF 4	9:45	Effect of herbal liver stimulant (Livoliv) on the feed consumption, weight gain and economics of commercial broilers	D Neupane and M Karki
<b>10:00</b>		<b>Discussion</b>	
<b>10:30</b>		<b>Tea break</b>	
LF 5	11:00	Effect of stylo on dry matter intake and growth performance in goat	LN Pandey et al.
LF 6	11:15	Government policies for the development of chicken sector in Nepal	R Bhurtel
LF 7	11:30	Indigenous buffaloes of Nepal: Status of their improvement	SP Neopane et al.
LF 8	11:45	Production, feeding value and toxic elements of Nimaro ( <i>Ficus roxburghii</i> ) in the hills of Nepal	CR Upreti and BK Shrestha
<b>12:00</b>		<b>Discussion</b>	
<b>12:30</b>		<b>Lunch break</b>	

<b>Group D</b>		<b>Livestock and Fisheries (LF)</b>	<b>Afternoon Session</b>
<b>Chair: Mr. Hare Ram Shrestha, Former Director, NARC</b> <b>Co-Chair: Mr. Baikuntha Parajuli, DLS</b>			<b>Rapporteurs:</b> Mr. Netra P. Osti Dr. Madhav Aryal
LF 9	13:30	Scavenging poultry production for uplifting rural women in Dumanwana of Bara	S Paudel and BP Kushwaha
LF 10	13:45	Study on importance of mozzarella cheese and its use in different food items	N Pandey
LF 11	14:00	Study on the performance of different oat cultivars in mid hills of Nepal	D Pariyar and L Sherchand
LF 12	14:15	System approach for interventions of health and production management technologies in smallholder dairy farmers in mid-hill village of Nepal: Lessons learned	BR Joshi and BS Shrestha
<b>15:00</b>		<b>Discussion</b>	
LF 13	15:30	Growth and maturity performance of Asala ( <i>Schizothorax</i> spp) in Godawari, Lalitpur, Nepal	NK Roy
LF 14	15:45	Identification of bacterial isolates collected from fresh water fish	S Prasad and A Raymajhi
LF 15	16:00	Occurance of <i>Ichthyophthirius multifiliis</i> on Asala ( <i>Schizothorax</i> and <i>Schizothoraichthys</i> spp.) in Godawai Fish Farm, Nepal	A RAYamajhi and NK Roy
LF 16	16:15	Participatory evaluation of growth and production performance of domesticated Sahar ( <i>Tor puitora</i> ) in pond condition in Terai and hills of Nepal	JD Bista et al.
LF 17	16:30	Participatory rainbow trout ( <i>Oncorhynchus mykiss</i> ) production in Kathamandu valley	RM Mulmi and KM KC
<b>16:45</b>		<b>Discussion</b>	
<b>17:15</b>		<b>Chairman's remarks</b>	

**Day 3**  
**Bhadra 13, 2065 (August 29, 2008) Friday**

<b>Group formation, recommendation and GM of SAS members</b>				
<b>Venue:</b>				
9:00	Group formation			
9:30	Group discussion			
<b>10:00</b>	<b>Tea/coffee break</b>			
10:15	Group discussion			
11:00	Presentation by Group A			
11:15	Presentation by Group B			
11:30	Presentation by Group C			
11:45	Presentation by Group D			
<b>12:00</b>	<b>Discussion</b>			
<b>12:30</b>	<b>Lunch break</b>			
13:30	<b>Closing ceremony</b>			
14:30	<b>Tea/coffee break</b>			
15:00	<b>General Meeting of SAS-N members</b>			