

**International Conference on Vegetable Oils 2023 (ICVO 2023) on ‘Research, Trade,  
Value Chain and Policy’ Hyderabad during January 17-21, 2023**  
**Theme I Frontiers Science for Improving Crop Productivity**

<i>Extended Summaries Selected for Oral Presentation under Satellite Symposium on niche oilseed crops</i>		
<b>(Oral presentations on January 20th, 2023, 1430-1600 hrs)</b>		
1	ICVO-ES-16	Development of new high oleic Sunflower ( <i>Helianthus annuus</i> L.) hybrids and its genotype × environment interaction across temperature regimes <i>UMAR FAROOQ M. S, UMA M. S. AND NEHRU S.D.</i>
2	ICVO-ES-46	Efficacy of Seed soaking Method in different Phytoextracts for the Management of charcoal rot ( <i>Macrophomina phaseolina</i> (Tasi) Goid) of sesame <i>K. N. GUPTA, AKSHAY SALBARDE AND RAJNI BISEN</i>
3	ICVO-ES-86	Linseed as new host for emerging pathogens dichotomized through molecular phylogeny from Karnataka, India <i>AJITHKUMAR K, SAVITHA A. S, MAHADEVAKUMAR S, MAHARACHCHIKUMBURA S.S.N, SREENIVASA M. Y, RATHNAKUMAR A. L. AND SUJATHA, M</i>
4	ICVO-ES-115	Secondary metabolite analysis in the broad host range plant pathogenic fungus <i>Sclerotinia sclerotiorum</i> <i>NAVIN C GUPTA , SHAWETA ARORA , MAHESH RAO , &amp; PANKAJ SHARMA</i>
5	ICVO-ES-149	Adaptation and tolerance mechanism of sesame ( <i>Sesamum indicum</i> L.) to drought stress <i>RATNAKUMAR P , BRIJ B PANDEY &amp; , GOPIAK K &amp; , SRAVANTHI A &amp; , SONIA E &amp; , LAKSHMI GS &amp; , KUSUMA K &amp; , MANIKANTA CHLN &amp; , LORA ANUSHA P &amp; , RAMESH K , RAMYA KT , PRADUMAN Y , KUMARASWAMY HH , PADMAJA D , RATHNAKUMAR AL</i>
6	ICVO-ES-155	Liquid formulation of <i>Ampelomyces quisqualis</i> AQ00 suppresses powdery mildew of sunflower incited by <i>Golovinomyces cichoracearum</i> <i>S HARISH , L RAJENDRAN, M SENTHIVELU, R SASIKALA, AND T KALAIMAGAL</i>
7	ICVO-ES-213	Combining ability for capsule characters in sesame ( <i>Sesamum indicum</i> L.) <i>K. T RAMYA, A.L. RATHNAKUMAR, H.H. KUMARASWAMY, J. JAWAHARLAL AND RATNAKUMAR PASALA</i>
8	ICVO-ES-214	Niger germplasm evaluation for major morphological and agronomical traits <i>H D PUSHPA , M SUJATHA, D P MEGHANA, HELAN BABY THOMAS, PRADUMAN YADAV AND CH. KRISHNA CHAITANYA, H BASAMMA, PRASHANT K JAGTAP, RAJANI BISEN AND S RAJKUMAR</i>
9	ICVO-ES-228	DETECTION OF PETAL COLOUR QTLs IN RILs OF SAFFLOWER <i>K. DIVYA , Y. RUSHWANTH REDDY, KRISHNALATHA , J. DHANUNJAY , V. HEMALATHA AND KADIRVEL PALCHAMY</i>
10	ICVO-ES-231	Large scale germplasm diversity study to identify the diverse trait-specific accessions for obtaining high heterotic hybrids in sunflower <i>M. Y. DUDHE AND M. SUJATHA</i>
11	ICVO-ES-235	Molecular characterization supports that the surviving population of Linseed leaf blight in Chhattisgarh is <i>Alternaria lini</i> <i>ARADHANA SINGH PAIKRA, ASHULATA KAUSHAL, TARUN PRADHAN AND NISHA THAKUR, G.K. AWADHIYA, A.S.KOTASTHANE</i>

12	ICVO-ES-245	Prebreeding and genetic enhancement of cultivated sunflower ( <i>Helianthus annuus</i> L.) using diploid wild <i>Helianthus</i> species in India <i>H.P. MEENA, M. SUJATHA, P.S. SRINIVAS AND PRADUMAN YADAV</i>
13	ICVO-ES-259	Genetic architecture and association study of yield and component traits of sesame ( <i>Sesamum indicum</i> L.) genotypes <i>RAJANI BISEN, ROSHNI SAHU, A.K. PANDAY, K.N GUPTA, SURABHI JAIN, VINOD K. GOYAL AND PIYUSH UPADHYAY</i>
14	ICVO-ES-273	Genetic diversity assessment of linseed ( <i>Linum usitatissimum</i> L.) germplasm using molecular and morphological markers <i>K M SHAH , BEENA NAIR , R A JADHAV AND J G MANJAYA</i>
15	ICVO-ES-277	A perspective on linseed breeding and varietal development in India <i>A.L RATHNAKUMAR AND DIVYA AMBATI</i>
16	ICVO-ES-309	Strategies for development of climate resilient and high yielding hybrids and varieties in castor ( <i>Ricinus communis</i> L.) <i>MANJUNATHA T, LAVANYA C AND SENTHILVEL S</i>
17	ICVO-ES-310	Herbicide-tolerant sesame ( <i>Sesamum indicum</i> L.) genotypes: Identification and prospects for molecular characterization <i>H H KUMARASWAMY, K T RAMYA, AND P RATNAKUMAR</i>

***Extended Summaries Selected for Oral Presentation under Satellite Symposium on Rapeseed & Mustard***

**(Oral presentations on January 20<sup>th</sup>, 2023, 1600-1700 hrs)**

1	ICVO-ES-109	Genome-wide association study of tocopherols (vitamin E) in Indian mustard ( <i>Brassica juncea</i> ) <i>HARJEEVAN KAUR, SANJULA SHARMA, JAVED AKHATAR, JOMIKA DEVI, CHHAYA ATRI AND S.S. BANGA</i>
2	ICVO-ES-217	Wide hybridization in Rapeseed-Mustard <i>ARUN KUMAR , HS MEENA, BL MEENA, HARIOM SHARMA, REEMA RANI, PRASHANT YADAV, VV SINGH AND PK RAI</i>
3	ICVO-ES-294	Morpho-physiological diversity of Indian Mustard ( <i>Brassica juncea</i> L.) germplasm for terminal heat tolerance <i>AMITA SINGH, RAKESH CHOUDHARY, KSHITIJ GUPTA, ANSHUMAN SINGH S.K. CHATURVEDI , AND VIJAY KUMAR YADAV</i>
4	ICVO-ES-311	Growth and physiological response of canola ( <i>Brassica napus</i> L.) to interactive effect of temperature, moisture and nitrogen stresses under controlled environment <i>UMESH, M.R., GURBIR SINGH, KRISHNA REDDY, GURPREET KAUR, BHUPINDER SINGH AND SREENIVAS P.</i>

**Extended Summaries Selected for Oral Presentation under Satellite Symposium on Soybean**

**(Oral presentations on January 20<sup>th</sup> 2023, 1600-1700 hrs)**

1	ICVO-ES-02	Genetic enhancement for grain yield and Mungbean Yellow Mosaic India Virus (MYMIV) resistance through introgressions from <i>Glycine soja</i> <i>SHIVAKUMAR MARANNAGIRIRAJ KUMAWAT, VENNAMPALLY NATARAJ, BALWINDER S. GILL, RAGHAVENDRA MADAR, AND SANJAY GUPTA</i>
2	ICVO-ES-03	Genome-wide association studies on charcoal rot resistance in soybean ( <i>Glycine max</i> , L) <i>VENNAMPALLY NATARAJ, PAWAN KUMAR AMRATE, MILIND B. RATNAPARKHE, SHIVAKUMAR MARANNA, LAXMAN SINGH RAJPUT, GIRIRAJ KUMAWAT, NISHA AGRAWAL, SALIKRAM. MOHARE, MANOJ SRIVASTAVA, K. BHOHARAJA NAIK, RISHIRAJ SINGH RAGHUVANSHI AND SANJAY GUPTA</i>
3	ICVO-ES-15	GWAS and transcriptome analysis reveal key loci associated with drought tolerance in soybean <i>MILIND B. RATNAPARKHE, RISHIRAJ RAGHUVANSHI, SUBHASH CHANDRA, RUCHA KAVISHWAR, NISHTHA S, RUCHI SHROTI, VIRAJ KAMLE, LAXMAN SINGH RAJPOOT, V NATARAJ, GIRIRAJ KUMAWAT, GYANESH K. SATPUTE, SHIVAKUMAR, MANOJ SHRIVASTAVA M, SANJAY GUPTA, ANJANA JAJOO, AJAY SINGH, A. CHITIKININI, RAJEEV VARSHNEY</i>
4	ICVO-ES-19	A consistent 100-seed weight QTL with pleiotropy for seed number per plant in soybean ( <i>Glycine max</i> L.) <i>GIRIRAJ KUMAWAT, SHIVAKUMAR MARANNA, HARSHA SHRIVASTAVA, ARTI YADAV, NATARAJ VENNAMPALLY, SUBHASH CHANDRA, VANGALA RAJESH, GYANESH KUMAR SATPUTE, MILIND RATNAPARKHE, SANJAY GUPTA</i>
5	ICVO-ES-27	Genome wide association studies reveals genetic loci associated with water logging tolerance in Soybean [ <i>Glycine max</i> (L.) Merr.] <i>SUBHASH CHANDRA, M.B. RATNAPARKHE, G.K. SATPUTE , SANJAY GUPTA, GIRIRAJ KUMAWAT, RUCHA K., DIPENDRA SINGH, V. NATARAJ, R. RAGHUVANSHI, A. CHITIKININI, RAJEEV VARSHNEY, AJAY K. SINGH, V. RAJESH, SHIVAKUMAR M, BHAGWAN BAMNIYA AND MANOJ K. SRIVASTVA</i>
6	ICVO-ES-52	Novel approach to assess seed viability and vigour in Soybean genotypes through Q scanning technology <i>UDAYSREE SHEELA, JHANSI RANI, K. , SUJATHA, P AND NARENDER REDDY</i>
7	ICVO-ES-57	Genome-wide association study (GWAS) reveals key loci associated with rhizoctonia aerial blight resistance in soybean <i>RISHIRAJ RAGHUVANSHI , SHUBHAM BIRLA , NAGARAM , RUCHA KAVISHWAR, NISHTHA S, RUCHI SHROTI, LAXMAN SINGH RAJPOOT, V NATARAJ , SUBHASH CHANDRA, GIRIRAJ KUMAWAT, GYANESH K. SATPUTE , SHIVAKUMAR , SHRIVASTAVA M , VIRAJ KAMLE , SANJAY GUPTA , AJAY SINGH , A. CHITIKININI , RAJEEV VARSHNEY, MILIND B. RATNAPARKHE</i>
8	ICVO-ES-62	Genetic variability studies among thirty three vegetable soybean genotypes under Manipur condition <i>H. NANITA DEVI, D. DEVI SRI, TH. RENUKA DEVI, NILIMA KARAM, T. SUNANDA DEVI AND L. SOPHIA DEVI</i>

9	ICVO-ES-85	Management of leaf eating caterpillars through intercropping with suva, Anethum graveolens in soybean <i>R. CHANNAKESHAHA , G. SOMANAGOUDA, SHALINI N. HUILGOL, G.K. NAIDU AND HARSHIYA BANU</i>
10	ICVO-ES-89	Field Evaluation of Bt 7SC Formulation for Efficacy against Lepidopteran Larvae Infesting Soybean under Manipur Conditions <i>NILIMA KARAM, H. NANITA DEVI, T. SUNANDA DEVI AND L. SOPHIA DEVI</i>
11	ICVO-ES-106	Management of major defoliators of soybean using microbial agents <i>R S JADHAV , S P MEHTRE, V R GHUGE</i>
12	ICVO-ES-39	Assessment of factor productivity and individual input effect on yield and economics of soybean [ <i>Glycine max</i> (L.) Merrill] <i>G SOMANAGOUDA, HARSHIYA BANU, R CHANNAKESHAHA, SHALINI HUILGOL AND G K NAIDU</i>
13	ICVO-ES-119	Machine Learning Algorithm for Soybean Leaf Disease Detection <i>PREETI JHAA, ARUNA TIWARIA, NEHA BHARILLB, MILIND RATNAPARKHEC, OM PRAKASH PATELB, UDAY KUMAR REDDYA, SHRAVYA RAMASAHAYAMA</i>
14	ICVO-ES-13	ICT and social media digital initiatives for effective dissemination of Soybean technologies <i>B. U. DUPARE AND SAVITA KOLHE</i>
15	ICVO-ES-104	Impact of Frontline Demonstrations on yield of soybean under rainfed condition in Marathwada region of Maharashtra <i>S P MEHTRE, R S JADHAV, V R GHUGE AND M J PATANGE</i>
16	ICVO-ES-323	Exploring microbial symbionts for improving soybean production and soil carbon sequestration <i>MAHAVEER PRASAD SHARMA, ABHISHEK BHARTI, DIPANTI CHOURASIYA, RICHA AGNIHOTRI, HEMANT MAHESHWARI AND AKETI RAMESH</i>

**Extended Summaries Selected for Oral Presentation under Satellite Symposium on  
groundnut**

**(Oral presentations on January 20<sup>th</sup>, 2023, 1650-1750 hrs)**

1	ICVO-ES-11	Identification of major QTLs for seed size by combining QTL-mapping and RNA-seq in an electron beam induced mutant of groundnut ( <i>Arachis hypogaea</i> L.) <i>POONAM G. BHAD, SUVENDU MONDAL, ANAND M. BADIGANNAVAR</i>
2	ICVO-ES-243	Ultra-dry storage extends the viability of groundnut ( <i>Arachis hypogaea</i> L.) seeds <i>K. RAJA</i>
3	ICVO-ES-246	Economic benefit of complete mechanization of groundnut cultivation <i>K. INDUDHAR REDDY, A.V.RAMANJANEYULU, M.V. NAGESH KUMAR, A. SRINIVAS</i>
4	ICVO-ES-252	Effect of seed coating in a combination of biopolymer, fungicide and biocontrol agents on the vigour and stem rot incidence of groundnut under in-vitro condition. <i>VIJAYKUMAR S., PRASAD R.D., RAJESWARI B AND CHANDRIKA. K.V.S.P.</i>
5	ICVO-ES-308	Alternate row mulching optimizes soil temperature and water conditions and improves groundnut yield in rainfed farming <i>B. S. YENAGI, ROHINI SUGANDHI AND KALLESH, D. T.</i>
6	ICVO-ES-144	Regulating flowering pattern to improve assimilate translocation efficiency and pod yield of groundnut ( <i>Arachis hypogaea</i> L.) <i>HARISUDAN. C, S. SRINIVASAN, N. THAVAPRAKAASH AND K.SUBRAHMANYAN</i>
7	ICVO-ES-268	Seed to Seed Mechanization Rabi Groundnut ( <i>Arachis hypogaea</i> )- Economics & Energy Dynamics <i>K. MAMATHA, G. SESHU, K.INDUDHAR REDDY, G. ANURADHA, G. KIRAN REDDY, M. VENKATA RAMANA AND M.GOVERDHAN</i>

***Extended Summaries Selected for Oral Presentation under Satellite Symposium on oil palm***

**(Oral presentations on January 20<sup>th</sup> 2023, 1630-1700 hrs)**

1	ICVO-ES-148	Deciphering the SNP variations linked to female sterility in Dura fruit form of oil palm <i>B. KALYANA BABU, P. ANITHA, R. K. MATHUR, G. RAVICHANDRAN, H. P. BHAGYA</i>
2	ICVO-ES-319	A pilot study on kernel germination to enhance planting material production in oil palm <i>SOMASUNDARAM, G, G. RAVICHANDRAN , P. ANITHA , H.P. BHAGYA , B. KALYANA BABU AND S.N. RAHANA</i>
3	ICVO-ES-179	Demonstration on fertigation schedule of oil palm for improved productivity and reduced cost of cultivation in khammam district of Telangana <i>V. CHAITANYA , J. HEMANTHA KUMAR , JESSIE SUNEETHA.W , K. RAVI KUMAR , PSM PHANISRI , D. NAGARAJU AND R. UMA REDDY</i>
4	ICVO-ES-221	Mapping soil property variability in oil palm ( <i>Elaeis guineensis</i> jacq.) plantations of Krishna Basin of Andhra Pradesh through Geospatial technologies <i>MANORAMA K, SURESH K, AND BEHERA S K</i>
5	ICVO-ES-37	Contribution of oil palm towards self sufficiency in vegetable oil production in telangana <i>RAJASEKHAR MARRI, BOGA NEERAJA PRABHAKAR, ARAVA BHAGWAN AND G. VIJAYA KRISHNA</i>
6	ICVO-ES-189	Virtual mode of disseminating oil palm technologies during Covid- 9 – An Appraisal <i>K. L. MARY RANI, M. V. PRASAD AND R. K. MATHUR</i>