

6. Other Activities

6.1 MEETINGS

6.1.1 Meeting of Second Quarterly Report of ICARDA Project

On 08-4-2014 meeting of ICARDA project held at Cotton Research Institute, Ayoub Agriculture Research Institute (AARI), at Faisalabad. Mr. Abdul Rahim Lakho SSO/Head Plant Breeding Section attended the meeting and gave presentation of Second quarterly Progress Report of ICARDA Pak-US Cotton Project CCRI, Sakrand Component (ID-1198-3).

6.1.2 ARSC Meeting

In the meeting of Agricultural Research Sub-Committee (ARSC) of PCCC was held during 14-16th April, 2014 at Central Cotton Research Institute, Multan. In the meeting, Annual Summary Progress Report for the year 2013-14 discussed and approved the Annual Programme of Research Work for the year 2014-15. The Director and Sectional Heads of CCRI-Sakrand attended the meeting.

6.1.3 Interview for the post of scientific officers/ Accountants

On 29-04-2014 the meeting of the selection committee of PCCC was held in the Committee Room of Ministry of Textile Industry 1st floor Evacuee Trust Complex, Islamabad. Director, Central Cotton Research Institute Sakrand attended the meeting.

6.1.4 Review of Cotton Campaign Meeting

On 02-06-2014, meeting to review of Cotton campaign was held in the Committee Room of Director General of Agriculture (Extension and A.R) Punjab, Lahore. The honorable Provincial Agriculture Minister, Dr Farakh Javed presided over the meeting. Mr. Ali Muhammad Kalroo, Director CCRI-Sakrand attended the meeting.

6.1.5 Meeting of the Asian Cotton Research and Development Network

6th Meeting of the Asian Cotton Research and Development Network organized by International Cotton Advisory Committee (ICAC), CABI, Krishi Gobeshona Foundation (KGF), Bangladesh Agricultural Research Council (BARC), Cotton Development Board (CDB) and Ministry of Agriculture at Dhaka, Bangladesh from 18-20th June, 2014. Dr. Shah Nawaz Khuhro Scientific Officer, CCRI-Sakrand participated in the meeting and presented research paper.

6.1.6 Selection committee meeting of ICARDA Project

On 10-7-2014 the Director /P.I and Focal person of Pak - US Cotton Project, CCRI-Sakrand Component attended a selection committee meeting/interviews for the posts of Research Associate under Pak-US Cotton productivity enhancement, CCRI–Sakrand. The meeting was held at Pakistan Central Cotton Committee, Head Quarter, Karachi.

6.1.7 Interactive Session of Budget Related Issue Meeting of PCCC

On 12-08-2014, Interactive session of budget related issue meeting of PCCC was held at CCRI-Multan under chairmanship of the Deputy Secretary Cotton, Ministry of Textile Industry, Islamabad. Mr. Ali Muhammad Kalroo, Director, Central Cotton Research Institute, Sakrand attended the meeting.

6.1.8 Cotton Crop Assessment Committee Meeting

On 15-10- 2014, 1st meeting of Cotton Crop Assessment Committee (CCAC) was held in the Committee Room of Ministry of Textile Industry 1st floor Evacuee Trust Complex, Islamabad, under chairmanship of The Honourable Federal Secretary Ms. Rukhsana Shah, Ministry of Textile Industry, Islamabad. Mr. Ali Muhammad Kalroo, Director, Central Cotton Research Institute Sakrand participated in the meeting.

On 03-12- 2014, 2nd meeting of Cotton Crop Assessment Committee (CCAC) was held in the Committee room of Ministry of Textile Industry 1st floor Evacuee Trust complex, Islamabad. The meeting was chaired by The Honourable Federal Secretary Ms. Rukhsana Shah, Textile Industry, Islamabad. Mr. Mushtaque Ali Leghari, Director, Central Cotton Research Institute Sakrand participated in the meeting.

On 29-12- 2014, 3rd meeting of Cotton Crop Assessment Committee (CCAC) was held in the Committee Room of of Ministry of Textile Industry 1st floor Evacuee Trust complex, Islamabad. Mr. Amir Muhammad Khan Marvat, Federal Secretary, Ministry of Textile Industry, Islamabad presided over the meeting. Director, Central Cotton Research Institute Sakrand participated in the meeting.

6.1.9 Editorial board of The Pakistan Cotton Meeting

On 04-04-2014, 132nd meeting of the Editorial board of The Pakistan Cotton was held in PCCC Head Quarter Karachi. Mr. Ali Muhammad Kalroo Director, Central Cotton Research Institute, Sakrand attended the meeting.

6.1.10 Midyear ICARDA Project Review and Planning Meeting

2014 Special Midyear Project Review and planning meeting of Pak-US C-PEP project held from May 19-22, 2014 at National Agriculture Research Centre (NARC) Islamabad. Mr. Ali Muhammad Kalroo, Director, CCRI, Sakrand, Mr. Abdul Rahim Lakho, PSO/Focal person of ICARDA Project Sakrand Component, Mr. Muhammad Rahim Magsi, SO, Plant Pathology and Dr. Shah Nawaz Khuhro, SO, Entomology CCRI-Sakrand attended the meeting.

6.1.11 Inauguration Ceremony of Trauma Centre

On 09-08-2014 Inauguration Ceremony of Trauma/Emergency Centre of Taluka Hospital, Sakrand was held. Syed Ghulam Mustafa Shah MNA was the Chief Guest of the Ceremony, Dr. Muhammad waris Sanjranri, PSO, attended the programme.

6.1.12 International Cotton Genome Initiative (ICGI) Meeting, 2014

2014, International Cotton Genome Initiative (ICGI) Meeting, being hosted and coordinated by the Government of China at Huazhang Agriculture University (HZAU), Wuhan, China during September 25-28, 2014 sponsored by ICARDA. Miss. Saira Bano, Senior Scientific Officer, Plant Breeding Section attended the meeting.

6.1.13 4th Quarter Review Meeting of Pak-US ICARDA Cotton Project

On 29-09-2014, Mr Abdul Rahim Lakho, Mr. Aziz Memon, Ms Rehana Anjum and Ms Nargis Shah attended 4th Quarter Review Meeting of Pak-US ICARDA Cotton Project being held at Central Cotton Research Institute, Multan and Ms Rehana Anjum, focal person presented the quarter progress report of Cotton project, CCRI- Sakrand Component (ID-1198-3).

6.1.14 Provincial Seed Council Meeting

On 26-11-2014, Provincial Seed Council meeting held at Sindh Secretariat, Karachi. The meeting was presided over by the Mr. Ali Nawaz Mehar, Minister for Agriculture, Government of Sindh. Mr. Abdul Rahim Lakho, Principal Scientific Officer presented the proposal of CRIS-129 Cotton variety developed by the Central Cotton Research Institute, Sakrand for approval. The variety was approved for general cultivation in Sindh Province.

6.1.15 Annual Review and Planning Meeting of ICARDA Project

Annual review and planning meeting of ICARDA, Pak-US Cotton Productivity Enhancement Project held from 08-11, 2014 at Plant Genetic Resources Institute (PGRI) Islamabad. Mr. Mushtaque Ali Leghari, Director/P.I, Miss Rehana Anjum SSO/Focal Person and Mr. Khalilullah Soomro, Research Associate attended the meeting.

6.1.16 Tender Opening meeting

On 12-01-2015, Mr. Mushtaque Ali Leghari, Director/ Project Director of Pak-US Cotton project Sakrand Component attended Tender opening meeting held at Pakistan Institute of Cotton Research and Technology (PICR&T), Karachi.

6.1.17 Financial Review Meeting of Pak-US Cotton Project

On 13-01-2015, Mr. Aziz Ahmed Memon SSO/Team member and Mr. Khalilullah Soomro, Research Associate of Pak-US Cotton Project participated Financial Review Meeting of Pak-US Cotton project held at NIBGE, Faisalabad.

6.1.18 Consultation for industry validation of Pakistan model competency standards for agriculture (Cotton) Sector Meeting

On 24-01-2015, meeting on Consultation for industry validation of Pakistan model competency standards for agriculture (Cotton) Sector was held under the chairmanship of Dr. Khalid Abdullah, Cotton Commissioner, MinTex/Leader for sector working on agriculture (Cotton) Sector at hotel Indus, Thandi Sarak, Hyderabad. Mr. Mushtaque Ali Lagari, Director CCRI-Sakrand attended the programme.

6.1.19 Meeting of Federal Committee on Cotton (FCC)

On 19-02-2015, the 4th meeting of Federal Committee on Cotton held in Committee Room of Ministry of Textile Industry, Islamabad under the chairmanship of Federal Secretary of Textile Industry, Islamabad. Mr. Mushtaque Ali Leghari, Director, Cotton Research Institute Sakrand participated in the meeting.

6.1.20 Meeting of Agriculture Policy Institute (API)

On 23-02-2015, the Annual Meeting of Agriculture Policy's Institute on Cotton Crop 2015-16 held in the Committee Room Of Agriculture Policy Institute, 3rd Floor, Evacuee Trust Complex, Islamabad. Mr. Abdul Rauf Chaudhry, Chairman API presided over the meeting. Mr. Mushtaque Ali Leghari, Director, CCRI-Sakrand attended the meeting.

6.2 Agriculture Exhibition

6.2.1 Annual Urs of Hazart Sachal Sarmast

Central Cotton Research Institute Sakrand participated in Annual Urs of Haazart Sachal Sarmast held from 12-14th July, 2014 at Daragha Sharif, Gamabat District Khairpur. The Institute established a stall in the exhibition. Mr. Abdul Haseeb Minister of Okaf, Government of Sindh and other dignities visited stall and appreciated the efforts of CCRI-Sakrand. Printed materials/ booklets were distributed among the visitors. During night a Documentary Film on Cotton Cultivation, Management of Cotton Mealy Bug and Safe use of pesticides were also showed through Audio Video Mobile Van of the Institute.

6.2.2 Annual Urs of Hazart Shah Abdul Latif Bhattai

Central Cotton Research Institute Sakrand participated in Annual Urs of Haazart Shah Abdul Latif Bhattai, held from 7th to 9th December, 2014 at Bhitshah, District Matiari. The Institute established a stall in the exhibition. Ms. Sharmela Farooqi, Minister of Culture and Tourism, Government of Sindh and other dignities visited stall and appreciated the efforts of CCRI-Sakrand. Printed materials/ booklets were distributed among the visitors.

6.3 Trainings

6.3.1 Genetic Resource Preservation and Characterization” under Norman E. Borlaug Fellowship Program 2014

Miss. Rehana Anjum has got opportunity to work with Drs. Richard Percy and Lori Hinze at ARS Crop Germplasm Research Unit, College Station, Texas, USA during March 15th to May 15th, 2014 on “Genetic Resource Preservation and Characterization” under Norman E. Borlaug Fellowship Program 2014.

6.3.2 Fundamental Training on Cotton Production Technology

Fundamental Training on Cotton Production Technology was organized by Pakistan Central Cotton committee for newly appointed Scientific Officers from 9th–13th June, 2014 at Central Cotton Research Institute, Multan. Director, CCRI, Sakrand and 14 newly appointed Officer, from CCRI-Sakrand participate in the training.

6.3.3 Inaugural Session of Newly Appointed Scientific Officer Training Program

On 09-06-2014, Inaugural session of newly appointed scientific officer training program was held at CCRI-Multan under chairman ship of the Vice President PCCC. Mr. Ali Muhammad Kalroo Director, Central Cotton Research Institute, Sakrand and all newly appointed Scientists attended the training.

6.3.4 Closing Session of Newly Appointed Scientific Officer Training Program

On 12-06-2014, closing session of newly appointed Scientific Officer training program was held at CCRI-Multan. The honorable Vice President of PCCC distributed Certificates to the participants of the training. Mr. Ali Muhammad Kalroo Director, Central Cotton Research Institute, Sakrand attended the programme.

6.3.5 42nd Postgraduate Training Course on Nuclear and other Advanced Techniques

The 42nd Postgraduate Training Course on Nuclear and other Advanced Techniques in Agricultural and Biological Research held from December 08 to 19, 2014 at Nuclear Institute of Agriculture and Biology, Faisalabad. Mr. Farhan Ahmad, Scientific Officer, Entomology Section and Mr. Abdullah Keerio, Scientific Officer, Plant Physiology/Chemistry Section attended the training course.

6.3.6 Interim Research Study for B.Sc Student

Three B.Sc. Students from Department of Soil Science, Sindh Agriculture University, Tandojam, Sindh participated for one month interim research work/training in Plant Physiology/Chemistry Section, at CCRI-Sakrand. Certificate Distribution Ceremony for Three Research Internee (BSc. Students) was held on 10-01-2015 at CCRI, Sakrand. Director and all scientific staff attended the programme,

6.4 Workshop/Conference

6.4.1 Work shop on the Development and Testing of Trangenies for Cotton Leaf Curl Virus (CLCuV) Disease Resistance

Mr. Abdul Aziz Memon, Scientific Officer Entomology Section attended two day Workshop on the Development and testing of Trangenies for Cotton Leaf Curl Virus (CLCuV) disease resistance held during 18-19th March 2014 at Center of Excellence in Molecular Biology (CEMB), University of Punjab, Lahore under Pak-US Cotton Project, Sakrand component.

6.4.2 Pakistan Cotton Consultative Conference

On 11-06-2014, Pakistan Cotton Consultative Conference was arranged in Islamabad Hotel under the Chairmanship of the honorable Federal Minister of Food Security and Research, and Minister of Textile Industry, Islamabad. Mr. Ali Muhammad Kalroo, Director, Central Cotton Research Institute, Sakrand attended the programme.

6.4.3 5th International Conference on Agriculture, Food Security and Climate Change

The 5th International Conference on Agriculture, Food Security and Climate Change was held on September 9-11, 2014 at University of Poonch, Rawalakot, Azad Jammu and Kashmir. The conference was jointly organized by the University of Poonch Rawalakot and Pakistan Agricultural Scientist's Forum. Dr. Muhammad Rafi Qamar Hashmi presented research paper on "Response of Bt. Cotton to different nitrogen dose and plant spacing" and Mr. Ghassan Zahid presented research paper on "Utilization of SSRs markers to identify slow rusting genes in spring wheat, *Triticum aestivum* L.

6.4.4 Workshop on Application of Biotechnology in Cotton and Other Crops

A workshop on application of Biotechnology in Cotton and other crops was held at NIBGE Faisalabad, from October 13-16, 2014. Two scientists from CCRI-Sakrand i.e Mr. Ghassan Zahid and Muhammad Zahir Ahsan participated in the workshop.

6.4.5 Workshop on CLCuV Management Practices through Adopting FFS Approach

National Agriculture Research Center (NARC) organized a curriculum review workshop on CLCuV Management Practices through Adopting FFS Approach under "Management of Cotton Leaf Curl Virus (CLCuV) Disease through Integrated Pest Management (IPM) Techniques by adopting Farmer Field School (FFS) approach" from February 18-20, 2015 at Agriculture Training Institute, Sakrand. Dr. Shah Nawaz Khuhro, Scientific Officer of this Institute attended the workshop and delivered the lecture on CLCuV Management practices.

6.4.6 Agriculture Conference

On 10-03-2015, Sindh grower organization arranged 4th Annual Agriculture Conference at Pearl Hotel, Nawabshah. Mr. Ghullam Qadir Chandio, MPA, Sindh was the Chief Guest of the conference. Dr. Muhammad Waris Sanjrani, Principal Scientific Officer of this Institute participated the conference and delivered lecture on role of Central Cotton Research Institute, Sakrand and CRIS varieties increasing yield of Cotton production in Sindh.

6.5 Seminars

6.5.1 Seminar on Quality Cotton Seed Production Technology and Standardized Post Harvest Techniques

On 30-09-2014, Mr Abdul Rahim Lakho, Mr. Aziz Memon, Miss. Rehana Anjum and Miss. Nargis Shah attended a seminar on “ Quality Cotton Seed Production Technology and Standardized Post Harvest Techniques” held at Central Cotton Research Institute, Multan. Dr Muhammad Ashraf, Vice Chancellor, Nawaz Sharif Agriculture University, Multan and other speakers were delivered their lectures about seed production technology, post harvest techniques for seed quality, ginning of Cotton seed and role of Cotton strainers in seed deterioration.

6.5.2 Expert for Final Ph.D Seminar at University of Sindh

The final Ph.D Seminar was held on 6th November, 2014 in the Video conference Room, Office of the Dean faculty of Natural Sciences, University of Sindh Jamshoro. Mr. Bhojoo Mal, candidate for the degree of Ph.D in Zoology gave Seminar on “Taxonomy and Importance of Butterflies (Lepidoptera: Rhopalocra) from Sindh”. Dr. Muhammad Waris Sanjrani, Principal Scientific Officer, CCRI, Sakrand attended the seminar as a expert for final Ph.D seminar.

6.5.3 Farmer Field Day

On 17-10-2014 NIBGE Faisalabad organized farmers’ field day on Cotton and Sugarcane. Two scientists from CCRI-Sakrand i.e Mr. Ghassan Zahid and Muhammad Zahir Ahsan attended the programme.

6.5.4 Farmer Field Day

On 15-9-2014, Fauji Fertilizer Company organized farmers’ field day on Cotton in the field of Mr. Ghulam Nabi keerio at village Haji Keerio near Sakrand. Mr. Ali Muhammad Kalroo Director, CCRI, Sakrand and Dr. Muhammad Waris Sanjrani, Principal Scientific Officer attended the programme and gave briefing to the participants on activities of CCRI-Sakrand and Integrated Pest Management of Cotton pests

6.5.4 Profitable Cultivation of Sugarcane

On 23-9-2014, Fauji fertilizer Company organized a Seminar on the Profitable Cultivation of Sugarcane at IPM Training Hall, CCRI, Sakrand. All Sectional Heads of the Institute attended the seminar.

6.6 Visitor

6.6.1 Visit of Laar Humanitarian and Development Programme

On 21-01-2015, a team of NGOS of Laar Humanitarian and Development Programme visited CCRI-Sakrand. All Sectional Heads were briefed the activities of CCRI-Sakrand and Cotton Production Technology.

6.6.2 Visit of student from Z.A Bhutto Agriculture College, Dokri

On 28-01-2015, student delegation (B.Sc. Par-II) of Z.A Bhutto Agriculture College, Dokri visited CCRI-Sakrand. Director and Sectional heads were briefed activities and Cotton production and protection technology.

6.7 Transfer and Retirement of the Staff

6.7.1 List of Transferred and Retired Employees of Central Cotton Research Institute, Sakrand during 2013

Sr. No.	Name of the Employee	Designation	Date of retirement/ transfer	Present Status
1.	Mr. Ilyas Raza	SO	13-10-2014	Resigned
2.	Mr. Ghassan Zahid	SO	14-11-2014	Resigned
3.	Mr. Asghar Ali Rind (Temporary Basis)	Chowkidar	17-10-2014	Joined duty
4.	Mr. Atta Muhammad (Temporary Basis)	Chowkidar	17-10-2014	Joined duty
5.	Mr. Ali Muhammad Kalroo	Director	01-12-2014	Transferred to PICR&T, Karachi
6.	Mr. Abdul Rahim, Lakho	PSO	05-12-2014	Transferred to CRS, LUAWMS, Uthal Lasbela, Balochistan.
7.	Mr. Ahmed Nawaz Soomro	Field Assistant	14-12-2014	Retired

7. Publication

1. Ahsan, M.Z., M.S. Majidano, H. Bhutto, A.W. Soomro, F.H. Panhwar, A.R. Channa, K.B. Sial. 2015. Genetic Variability, Coefficient of Variance, Heritability and Genetic Advance of Some *Gossypium hirsutum* L. Accessions. J. A. Sci. 7(2): 147-151.
2. Ahsan, M.Z., M.S. Majidano, H. Bhutto, A.W. Soomro, F.H. Panhwar, A.R. Channa, K.B. Sial. 2015. Genetic Variability, Coefficient of Variance, Heritability and Genetic Advance of Some *Gossypium hirsutum* L. Accessions. J. A. Sci. 7(2): 147-151.
3. Ahsan, M.Z., M.S. Majidano, A.R. Channa, F.H. Panhwar, F.I. Khaskhali, K. Rashid. 2014. Regeneration of Cotton (*Gossypium hirsutum* L.) Through Asexual Methods, a Review. Am. Eurasian. J. Agric. Environ. Sci. 14(12): 1478-1486.
4. Ahsan, M.Z., M.S. Majidano, H. Bhutto, A.R. Channa, K.B. Sial, A.D. Kalhoro. 2014. Genetic Variability and Correlation Analysis of Some Upland Cotton (*Gossypium hirsutum* L.) Accessions. Int. J. Sci. Eng. Res. 5(11): 313-318.
5. Akhtar, Shazia, ShaziaIram, M. Mahmood-ul-Hassan, Vishandas Suthar, and Rizwan Ahmad, 2014. Heavy metal concentration in Peri-urban soils and crops under untreated wastewater. International Journal of Scientific & Engineering Research. 5(9):523-535.
6. Arian A.R., A.M. Kalroo, S.N. Khuhro, R. Anjum, A.R. Lakho and A.D. Kalhoro, 2014. Effect of Sowing dates on different Cotton varieties by Cotton Leaf Curl Virus (CLCuV) at CCRI-Sakrand. The Pakistan Cotton 56 (1-4): 42-54.
7. Ehsanullah, R. Qamar, M. Kalim, A. Rehman, Z. Iqbal, A. Gaffar and G. Mustafa. 2014. Growth and economic assessment of mulches in aerobic rice (*Oryza sativa* L.). J. Agric. Res. 52(3): 395-406. HEC recognize, Y Category.
8. Javeed, H.M.R., M.S.I. Zamir, M. Nadeem, R. Qamar, M. Shahzad, M.A. Sarwar, S. Iqbal. 2014. Response of maize phenology and harvest index to tillage and poultry manure. Pak. J. Agri. Sci., 51 (3): 633-638. IF = 1.24 HEC recognize, W Category.
9. Khuhro, S. N., A.M. Kalroo, T. S. Sultana, K. Abdullah, M. K. Lohar. 2014. Voracity of Coccinellid Predator, *Brumus suturalis* Fabricius (Coleoptera: Coccinellidae) on Cotton Spider Mite, *Tetranychus urticae* (Koch) (Acari: Tetranychidae) in Laboratory and Field. European Academic Research Journal 2 (6): 7749-7759.
10. Khuhro, S.N. , A. M. Kalroo , K. Abdullah and M. A. Talpur. 2014. Pink Bollworm Damage and management Scenario in Different Cotton Growing Areas of Sindh, Pakistan. Paper presented in Asian-Cotton-R-D-Network-6th-Meeting in Bangladesh. https://www.icac.org/getattachment/tech/RegionalNetworks/Asian-Cotton-R-D-Network-6th-Meeting/SKhuhro_Pakistan.pdf

11. Khuhro, S. N., A.M. Kalroo, F. Ahmad, M. K. Lohar, A. Bukero and M.A. Leghari. 2014. Feeding ability of *Brumus suturalis* Fabricius (Coleoptera: Coccinellidae) on Cotton whitefly, *Bemisia tabaci* (Gennadius) (Homoptera: Aleyrodidae) European Academic Research Journal 2 (7):9419-9429.
12. Khuhro, S. N., A.M. Kalroo, M.H. Lakho, M. A. Leghari and Farhan Ahmed. 2014. Population pattern of Whitefly, *Bemisia tabaci* (Genn) on different varieties of Cotton in Sindh-Pakistan, American Research Thoughts Journal in 1(1): 276-284.
13. Khuhro, R. D., I. A. Rajput, F. Ahmad, M. H.Lakho, S. N. Khuhron and K. H. Dhilloo, 2014. Efficacy of Different IPM Techniques for Suppression of Sucking Pests of Okra. Euro. Acad. Res., 2(8): 10738-10752. European Academic Research.
14. Lakho, A.R., M.S. Majidano, H. Bhutto, M.Z. Ahsan, A.D. Kalhoro. 2014. Evolution of Early Maturing, High Yielding and High Got Upland Cotton Variety CRIS-129. European Academic Res. 2 (8): 10833-10849.
15. Leghari, M.A., Khuhro, S.N, A.M. Kalroo, A.A, Memon, and M.W. Sanjrani, 2014. Studies on tolerance level of advanced Cotton strains to insect's pest complex. The Pakistan Cotton 56 (1-4): 60-64.
16. Mahmood-ul-Hassan, M., Vishandas Suthar, Ejaz Rafique, and Muhamad Yasin. (2015). Removal of cadmium, chromium and lead from aqueous solution by chemically modified agricultural waste materials. Environmental Monitoring and Assessment 187(2): 4258- . IF: 1.7.
17. Majeedano, M.S., H. Bhutto, M.Z. Ahsan, A.W. Soomro, A.D. Kalhoro. 2014. Early Maturing, High Yielding & High G.O.T. Upland Cotton Variety Bt.CRIS-508. J. Amer. Thoughts. 1(2): 763-780.
18. Majeedano, M.S., M.Z. Ahsan, A.W. Soomro, F.H. Panhwar, A.R. Channa. 2014. Heritability and Correlations Estimates for Some Yield Traits of *Gossypium hirsutum* L. J. Amer. Thoughts. 1(2): 781-790.
19. Memon A.A., M.S. Maree and A.M. Kalroo, 2014. Efficacy of different Insecticides against mealy bug, *Phenacoccus Solenopsis* tensly on Cotton crop. The Pakistan Cotton 56 (1-4): 8-13.
20. M. I. Arain, I. A. Rajput, F. Ahmad, T. A. Khuhro, I. A. Nizamani and B. Z.Yousufzai, 2014. Effect of Release Time on Egg Parasitoid *Trichogramma chilonis* (Ishii) Against *Heliothis armigera* (Hbn.). Euro. Acad. Res., 2(9): 11517-11527. (Published: International Journal European Academic Research).
21. N. Shah, R.N. Syed, A.M. Khanzada, M.A. Khanzada and A.M. Lodhi, 2014. Influence of different inoculation methods and fungicides on the pathogenicity of *Fusarium oxysporum* on *Abelmoschus esculentus*. Science International (Lahore) 26(5) 2303-2308.

22. Panhwar, B.U. 2014. Seed priming: A Friend to Crop in Hostile Condition. Monthly Zarai Digest. 18(10): Sep-Oct. 42.
23. Rehman, A., R. Qamar and J. Qamar. 2014. Economic Assessment of Sugarcane (*Saccharum officinarum* L.) through Intercropping. J. Agric. Chem. Environ. 3: 24-28. IF = 0.25
24. Sial, K.B., A.D. Kalhoro, M.Z. Ahsan, M.S. Majidano, A.W. Soomro, R.Q. Hashmi, A.Keerio. 2014. Performance of Different Upland Cotton Varieties under the Climatic Condition of Central Zone of Sindh. Am. Eurasian. J. Agric. Environ. Sci. 14(12): 1447-1449.
25. Sial, K.B Sial, Allah Dino Kalhoro, Muhammad Zahir Ahsan, Muhammad Saffar Majidano, Abdul Wahab Soomro, Rafi Qamar Hashmi and Abdullah Keerio, 2014. Performance of different upland Cotton varieties under the climatic condition of central zone of Sindh. Page No. 1447 – 1449 in American-Eurasian J. Agric. & Environ. Sci. Vol. 14(12).
26. Sial, K.B. A.D. Kalhoro, M.Z. Ahsan, M.S. Majidano, A.W. Soomro, R.Q. Hashmi and A. Keerio. 2014. Performance of Different Upland Cotton Varieties under the Climatic Condition of Central Zone of Sindh. American-Eurasian J. Agric. Environ. Sci. 14 (12): 1447-1449.
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31. Vishandas Suthar, Kazi Suleman Memon and M. Mahmood-ul-Hasn, 2014. EDTA-enhanced phytoremediation of contaminated calcareous soils: heavy metal bioavailability, extractability, and uptake by maize and sesbania. Environmental Monitoring and Assessment. 186:3957-3968. IF: 1.7.

Submitted for Publication

1. Fakhar Imam Khakheli, Muhammad Mithal Jiskani, Muhamamd Ibrahim Khakheli, Meer Muhammad Kolachi, Muhammad Azeem Khakheli, Safar Majedano, and Abdul Wahab Soomro, 2015. Effect of different plant extract against seeding disease of chilies caused by Fubarim. F. SP. Capsici. (Submitted in American European Journal of Agricultural and Environmental Science).
2. Magsi, M.R., Nargis Shah, Fakhar Imam Khakheli and Wazir Ahmed Magsi, 2014. Existance of Cotton Leaf Curl Virus in Sindh Province. (Submitted in Pakistan Journal of Pathology).
3. Mahmood-ul-Hassan, M., Vishandas Suthar, Ejaz Rafique, and Muhamad Yasin, 2014. Kinetics of cadmium, chromium and lead sorption onto chemically modified sugarcane bagasse and wheat straw. Submitted in Journal of Hazardous Material.
4. Panhwar, B.U, Inayatullah Rajpar, Zia-ul-hassan Shah and Ghulam Murtaza Jamro, 2015. Potential of different seed priming agents to mitigate salinity stress in wheat (*Triticum aestivum* L.). Accepted in Journal of Agriculture, Agricultural Engineering and Veterinary sciences.
5. Shah, N. R.N. Syed, M.A. Khanzada, N.A Rajput and A.M. Lodhi, 2014. Non chemical control of Okra with caused by *Fusarium oxysporum*. International Journal of Agriculture App. Sci.).

Publication of Leaf Lets/ Brochure

1. Ali Muhammad Kalroo, Mushtaque Ali Leghari and Shah Nawaz Khuhro, 2014. Central Cotton Research Institute, Sakrand at a Glance.
2. Mushtaque Ali Leghari, Abdul Rahim Lakho, Hidayatullah Bhutto, Muhammad Safar Majeedano, 2015. New High Yielding Early Cotton Variety CRIS-129.