

# **RESUME**

## **Dr. Naveed Ahmad**

*Date of Birth: April 05, 1987*

*Gender: Male*

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*Department of Horticulture, The University of Agriculture Peshawar, Pakistan*

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## **ACADEMICS:**

### **PhD Horticulture (2012-2015)**

*Department of Horticulture, The University of Agriculture Peshawar, Pakistan*

**Research title:** Optimization of Callus, Cell Suspension and Adventitious Root Culture for the Production of Active Components in *Stevia rebaudiana*.

### **M.Sc. (Hons) Horticulture (2010-2011) 1<sup>st</sup> Div.**

*Department of Horticulture, The University of Agriculture Peshawar, Pakistan*

**Research title:** Influence of Pinching Intensity and Incremental Nitrogen Application on Growth and Yield of okra.

### **B.Sc. (Hons) Horticulture (2006-2009) 1<sup>st</sup> Div.**

*Department of Horticulture, The University of Agriculture Peshawar, Pakistan*

**Research/ Internship title:** Vegetable Farming Survey at Tehsil Shabqadar.

### **Higher Secondary School Certificate (Pre-Engineering; 2005) 1<sup>st</sup> Div.**

*Government Post Graduate College Mardan, Khyber Pakhtunkhwa Pakistan*

### **Secondary School Certificate (Science; 2003) 1<sup>st</sup> Div.**

*Government High School Subhan Khawar, Mohmand Agency*

## **PROJECT EXPERIENCE:**

1. Worked as Research Fellow in PARC, ALP Project, on “Standardization of Market Life Enhancement Technology of Persimmon and Its Dissemination to Growers” at Nuclear Institute for Food and Agriculture Peshawar (NIFA), Pakistan Atomic Energy Commission (PAEC).
2. Worked on “Biodiversity Conservation of Medicinal Plants” in Directorate of Non-Timber Forest Products Khyber Pakhtunkhwa Forest Department, as Agriculture Officer for a Period of One Year Through National Internship Programme (NIP).

## WORK EXPERIENCE

- Organization* Department of Horticulture, The University of Agriculture Peshawar.  
*Organization Type* Government  
*Designation* Lecturer (Contract)  
*Type of Experience* Full Time  
*Tenure* 01-02-2013 – Till Date  
*Description* Teaching, Research Activities. Seminars Arrangement
- Organization* Department of Horticulture, The University of Agriculture Peshawar.  
*Organization Type* Government  
*Designation* Assistant Farm Manager.  
*Type of Experience* Full Time  
*Tenure* 10-07-2013- 31-12-2015  
*Description* Supervision of Field Work, Orchard Management and Nursery Management, Check on POL/ fertilizer and herbicides etc.
- Organization* The University of Agriculture Peshawar, Pakistan  
*Organization Type* Government  
*Designation* Assistant Hostel Warden  
*Type of Experience* Full Time  
*Tenure* 16-05-2014- Till Date  
*Description* Hostel Management

## PUBLICATIONS

### Impact Factor

- Ahmad, A., H. Ali, H. Khan, A Begam, S. Khan, S. S. Ali, **N. Ahmad**, H. Fazal, M. Ali, C. Hano, N. Ahmad and B. H. Abbasi. 2020. Effect of gibberellic acid on production of biomass, polyphenolics and steviol glycosides in adventitious root cultures of *Stevia rebaudiana* (Bert.). *Plants*. (9); 420. doi:10.3390/plants9040420. (**Impact Factor = 2.632**).
- Rukh, G., N. Ahmad, A. Rab, **N. Ahmad**, H. Fazal, I. Ullah, S. Mukhtar and N. Samad. 2019. Photo-dependent somatic embryogenesis from non-embryogenic calli and its polyphenolics content in high-valued medicinal plant of *Ajuga bracteosa*. *J. Photochem. Photobiol. B: Biol.* 190: 59–65. (**Impact Factor = 3.165**).

3. Idrees, M., B. Sania, B. Hafsa, S. Kumari, H. Khan, H. Fazal, I. Ahmad, F. Akbar, **N. Ahmad**, S. Ali, N. Ahmad. 2018. Spectral lights trigger biomass accumulation and production of antioxidant secondary metabolites in adventitious root cultures of *Stevia rebaudiana* (Bert.). CR Biologies; 341(6):334-342. (**Impact Factor = 1.313**)
4. **Ahmad, N.**, A. Rab, N. Ahmad and H. Fazal. 2018. Differential pH-Induced biosynthesis of steviol glycosides and biochemical parameters in submerge root cultures of *Stevia rebaudiana* (Bert.). Sugar Tech. <https://doi.org/10.1007/s12355-018-0589>. (**Impact Factor = 0.829**)
5. Rab, A., J. Rahman, M. Sajid, **N. Ahmad**, M. Ahmad, K. Nawab and K. Ali. 2016. Influence of harvesting dates on fruit quality and storage performance of sweet orange (blood red) fruit. J. Animal Plant Sci. 26(6): 1659-1665. (**Impact Factor = 0.381**)
6. **Ahmad, N.**, A. Rab and N. Ahmad. 2016. Light-induced biochemical variations in secondary metabolite production and antioxidant activity in callus cultures of *Stevia rebaudiana* (Bert). J. Photochem. Photobiol. B: Biol. J. Photochem. Photobiol. B: Biol. 154: 51-56. (**Impact Factor = 3.165**)
7. Khalil, S.A., N. Kamal, M. Sajid, **N. Ahmad**, R. Zamir, N. Ahmad and S. Ali. 2016. Synergism of polyamines and plant growth regulators enhanced morphogenesis, stevioside content, and production of commercially important natural antioxidants in *Stevia rebaudiana* Bert. In Vitro Cell. Dev. Biol. Plant. (**Impact Factor = 1.057**)
8. Sajid, M., O. Ullah, M.A. Khan, A. Rab, A. Khan, F. Wahid, S. T. Shah and **N. Ahmad**. 2016. Phytohormones influence the micro propagation of *Stevia rebaudiana* Bertoni through callogenesis. Advan. Food Sci. 38(4): 139-146. (**Impact Factor = 0.36**)
9. Jan, I., M. Sajid, A. Rab, A. Iqbal, O. Khan and Y. Jamal, **N. Ahmad**, A. Ali, M. Shakoor and S.T. Shah. 2015. Effect of various concentrations of indole butyric acid (IBA) on olive cuttings. Mitt Eilungen Klosterneuburg. 65: 49-55. (**Impact Factor = 0.145**)

#### **Non-Impact Factor**

- 1.
2. Rab, A., M. Sajid, **N. Ahmad**, K. Nawab and S.G. Ali. 2017. Foliar calcium application ameliorates salinity-induced changes of tomato crop grown in saline conditions. Sarhad J. Agri. 33(4): 540-548.
3. Rab, A., M. Sajid, S.T. Shah and **N. Ahmad**. 2017. Foliar application of salicylic acid retains quality of apricot fruit during storage and marketing. Sci. Int. (Lahore). 29(6): 1245-1251.

4. Jamil, E., S. Zeb, Q. S. Ali, **N. Ahmad**, M. Sajid, S. Siddique and M. S. Saleem. 2016. Effect of seed soaking on seed germination and growth of bitter gourd cultivars. *Pure Appl. Biol.* 5(1): 31-36.
5. **Ahmad, N.**, A. Rab, M. Sajid, Z. Ali and K. Ali. 2016. Influence of pinching intensity and incremental nitrogen application on growth and yield of okra (*Abelmoschus esculentus* Moench). *Int. J. Agric. Environ. Res.*, 2(1): 77-85.
6. Bilal, W., M. Sajid, K.U. Rehman, **N. Ahmad**, A.A. Awan, B. Hussain, Z. Bacha, F.U. Rehman, A. Naeem, Q.S. Ali and F. Bibi. 2015. Physical and chemical attributes of various cultivars of Plum fruit. *Pure Appl. Biol.*, 4(3): 353-361.
7. Ali, Q.S., S. Zeb, E. Jamil, **N. Ahmad**, M. Sajid, S. Siddique, N. Jan and M. Shahid. 2015. Effect of various levels of nitrogen, phosphorus and potash on the yield of French Bean. *Pure Appl. Biol.* 4(3): 318-322.
8. Qasim, M., F. Jan, F. Nouroz, S.H. Shah, Rozina, **N. Ahmad** and Z. Ali. 2015. Ethno Medicinal Study of Swabi, Pakistan. *Eur. Acad. Res.* 3(7).
9. Azeem, K., **N. Ahmad**, S. T. Shah, F. Khan, Y. Arafat, F. Naz and I. Azeem. 2014. Physiological indices, biomass and economic yield of maize influenced by humic acid and nitrogen levels. *Ame. J. Experiment. Agric. Russian Agric. Sci.* 41 (2): 115–119.
10. Sajjad, F. Wahid, M. Sajid, I. Hussain, S. Ahmed, **N. Ahmad** and N. Ahmed. 2014. Propagation of Olive Cultivars through Air Layerage. *J. Agric. Vet. Sci.* 7(2): 121-125.
11. Sajid, M., A. Rab, N. Amin, A. Khan, A. Mateen, **N. Ahmad**, F. Wahid and Amanatullah. 2013. Effect of Diammonium Phosphate (DAP) on flowers and bulb production of Tulip's cultivars. *Pure Appl Bio.*, 2 (2): 48-52.
12. Mehmood, N., G. Ayub, I. Ullah, **N. Ahmad**, M. Noor, A. M. Khan, S. Ahmad and Farzana. 2012. Response of tomato (*Lycopersicon esculentum* Mill.) cultivars to nitrogen levels. *Pure Appl. Bio.* 1(3): 63-67.
13. Khan. I., A. U. Jan, F. Gul. K. Ali, G. Ali, S. Ahmad and **N. Ahmad**. 2011. Weeds as a major constraint in wheat production in district Peshawar. *Pak. J. Weed Sci. Res.* 17(4):381-386.
14. Ali. K., F. Munsif, Z. Hussain, I. Khan, **N. Ahmad**, N. Khan and M. Shahid. 2011. Effect of different weed control methods on weeds and maize grain yield. *Pak. J. Weed Sci.* 17(4):313-321.

## **Advisor/Students Guided**

### **M.Sc (Hons)**

Supervised: 02

### **B.Sc (Hons)**

Supervised: 50 students

## **Achievements**

- Established Plant Tissue Culture Lab in the Department of Horticulture and successfully *in vitro* cultured and acclimatized several medicinal plants.
- Several M.Sc (Hons) students have been completed their research work in this lab.
- The work of many others including B.Sc (Hons), M.Sc (Hons) and PhD is in progress.

## **WORKSHOP/TRAINING ORGANIZED:**

1. Organized three days training on “Improved Agricultural Practices for Potato Farmers” w.e.f. 21 to 23<sup>rd</sup> March 2014 at The University of Agriculture Peshawar with collaboration of FATA Secretariat under FATA Secretariat Programme, WANA-SWA.

## **SURVEYS/TRAINING/ WORKSHOP/SEMINARS/ ATTENDED:**

1. Participated in three days national conference on "Agricultural problems and food security in the changing climate" in the University of Agriculture Peshawar held on November 14 to November 17, 2018.
2. Participated/Speaker in One day workshop on "Introduction to plant tissue culture" October 18, 2018 in The University of Agriculture Peshawar.
3. Participated in "International Horticulture Conference, Pakistan 2018" held on April 25-27, 2018.
4. Participated in National Workshop on "Data Presentation and Interpretation for Effective Publication" at AWKUM in 2017.
5. Participated in Training Workshop on "Hostel Management" held on 20<sup>th</sup> to 24<sup>th</sup> April 2015 Under HEC.
6. Participated in Seminar on "Scientific Writing and Publication in Journals" held on 14<sup>th</sup> May 2014. Organized by Climate Change Center, The University of Agriculture Peshawar-Pakistan.
7. Participation in One Day "Peshawar Youth Conference 2014", organized by Youth Center Peshawar, Government of Khyber Pukhtunkhwa.

8. Two weeks training programme attended/participated on “Real time Landscaping Architect Software 2013 Version” held on April 30 to May 14, 2014 at departmental studio, Department of Horticulture, The University of Agriculture Peshawar, Pakistan.
9. Participated in the training on “Data Analysis Techniques for Crop, Animal and Social Sciences” held on February 6, 2014 at The University of Agriculture Peshawar, Pakistan.
10. Participated in “Awareness Raising Session on Legal Rights and Responsibilities under Aitebar” held on January 23, 2014 with collaboration of SRSP.
11. Participation and Presentation at 3<sup>rd</sup> international weed science conference held on April 18-20, 2011 at Department of Weed Science, The University of Agriculture Peshawar Pakistan.
12. Participated in the international symposium on “Institutional Linkages for Agriculture Development in Pakistan” December 2011.
13. Three days workshop attended on “Non-Timber Forest Products” in Directorate of Non-Timber Forest Products Khyber Pakhtunkhwa Forest Department held on July 14 to 16, 2010.
14. One-week training course attended on “Medicinal Plants and Herbal Medicine” at PCSIR Peshawar held on February 08<sup>th</sup> to 12<sup>th</sup> 2010.

#### **TV PROGRAMMES HOSTED/INTERVIEWED/ARRANGED**

1. Hosted “Independence Day Show” in Islamia College ground, Peshawar for Pashto 1 Channel (August 2014).
2. A programme (Voice of Youth) for Pashto 1 Channel (March 2014).
3. A programme for AVT Khyber Channel (April 2014).
4. A programme on “Seasonal and Cut Flower Production” for Pashto 1 Channel (May 2014).

#### **EXHIBITION PARTICIPATION/ACHIEVEMENTS**

1. **Title:** Annual Rose and Spring Flower Exhibition, April 2014.  
**Venue:** Garrison Park Peshawar.  
**Organizer:** Cantonment Board Peshawar (CBP).  
**Chief Guest:** Begum & Lt. Gen. Khalid Rabbani, HI (M), Commander 11 Corps.  
**Awards:** Received 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> prizes in various categories.

#### **OTHER SOCIAL ACTIVITIES**

1. **Organization** Society for Horticulture Development, Department of Horticulture, The University of Agriculture Peshawar, Pakistan  
**Designation** Organizer Male and Exhibition Incharge  
**Description** Organizing Various Events and Participation in Exhibition

2. **Organization** Pakistan Society for Horticultural Sciences, Department of Horticulture, Pir Mehar Ali Shah Agriculture University Rawalpindi  
**Designation** Member (Lifetime)
3. Pakistan Society, Abdul Wali Khan University Mardan  
**Designation** Member (Lifetime)

### **Computer skills and Software's**

1. Microsoft Office
2. Microsoft Windows
3. Internet search for Scientific Publications at regular basis
4. Email Communication
5. Statistix 8.1 software
6. Origin Lab 8.1 software

### **Languages**

Pashto, Urdu and English

### **References**

1. **Prof. Dr. Abdur Rab**, Chairman, Department of Horticulture, The University of Agriculture Peshawar. Khyber Pakhtunkhwa, Pakistan.  
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2. **Prof. Dr. Noor ul Amin**, Department of Horticulture, The University of Agriculture, Peshawar  
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3. **Associate Prof. Dr. Muhammad Sajid**  
Department of Horticulture, The University of Agriculture Peshawar. Khyber Pakhtunkhwa, Pakistan.  
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