

## *Tahir Rehman Samiullah*

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### **Objective:**

Willing to work in a challenging environment, where task achievement and meeting the deadlines matters. To facilitate people by providing them services in an Educational/Research environment. Want to work with energetic and sharp professionals in a true professional environment.

### **Summary:**

- **Eight** years of extensive experience in the field of Biotechnology and Molecular biology.
- **Ten Research papers** have been published in international journals/conferences.
- **Strong understanding** of System analysis design for the implementation of new Systems.

### **Education:**

- **PhD in Molecular Biology**
- **M.Phil in Molecular Biology** from University of Lahore Lahore, (2010-2012).
- **M.Sc in Biochemistry**, Institute of Biochemistry and Biotechnology University of the Punjab Lahore, (2003-2005).

<b>Certificate/ Degree</b>	<b>Board/University</b>	<b>Year of passing</b>	<b>Subject (s)</b>	<b>Division</b>	<b>Marks/%</b>
M.Phil	University of Lahore, Lahore	2012	Molecular Biology	1 <sup>st</sup>	84%
M.Sc.	University of The Punjab Lahore	2005	Biochemistry	1 <sup>st</sup>	65%
B.Sc.	Government College University Lahore	2003	Chemistry, Botany, Zoology	1 <sup>st</sup>	68.41%
F.Sc.	Lahore Board	2000	Chemistry, Physics, Biology	2 <sup>nd</sup>	46.81%
Matric	Lahore Board	1995	Science	1 <sup>st</sup>	66.94%

## Research Publications:

<https://www.researchgate.net/profile/Tahir-Samiullah>

- Tahir Rehman Samiullah, Allah Bakhsh, Abdul Qayyum Rao, Mamoona Naz, Mahjabeen Saleem. **Isolation, Purification and characterization of extracellular Beta-glucosidase from Bacillus sp.** 2009 *Advances in Environmental Biology*,3(3):269-277,
- Kausar.M.,Bakhsh.A.,Babar.M.,Samiullah.R.T.,Riazuddin, S. (2008). **Immunoassay detection of Cry1Ab/Cry2A GM Cotton for insect resistance trait.** *Pak. J. Biochem. Mol. Biol.* 41(3): 125-128.
- Saira Azam, **Tahir Rehman Samiullah** Aneela Yasmeen, Salah ud Din , Adnan Iqbal, Abdul Qayyum Rao, Idrees Ahmad Nasir, Bushra Rashid, Ahmad Ali Shahid, Munir Ahmad, Tayyab Husnain. (2013). **Dissemination of Bt cotton in cotton growing belt of Pakistan. International Journal “Advancements in Life Sciences”.**
- Muhammad Azam Ali, Iqra Rehman, Adnan Iqbal, Salah ud Din, Abdul Qayyum Rao, Ayesha Latif, **Tahir Rehman Samiullah**, Saira Azam and Tayyab Husnain. **Nanotechnology: A new frontier in Agriculture.**(2014). **International Journal “Advancements in Life Sciences.**
- Qurban Ali, Arfan Ali,Mudassar Fareed Awan, Muhammad Tariq, Sajed Ali, **Tahir Rehman Samiullah**, Saira Azam, Salah ud Din, Mukhtar Ahmad, Muhammad Nauman Sharif, Sher Muhammad, Nazar Husain Khan,Muhammad Ahsan, Idrees Ahmad Nasir and Tayyab Hussain. (2014) **Combining ability analysis for various physiological, grain yield and quality traits of Zea maysL.** *Life Science Journal*;11(8s).
- Arfan Ali, Idrees Ahmad Nasir, Adnan Muzaffar, Abdul Quyyum Rao,**Tahir Rehman Samiullah**, SairaAzam, Sajed Ali, Tayyab Husnain. **Screening Of Five Pakistani Potato Cultivars Against Cold Induced Sweetening Based On Invertase Enzyme Activity.** Accepted in *Journal of Food and Nutrition Research.*
- Muhammad Waseem Qurban Ali ,Arfan Ali ,**Tahir Rehman Samiullah**, Dost Muhammad Baloch, Shafique Ahmad, Mustajab ,Ahmad Khan, Sajed Ali, Adnan Muzaffar, Malik Adil Abbas, Idrees Ahmad Nasir and Tayyab Husnain. (2014) **Genetic analysis for various traits of Cicer arietinum under different spacing.** *Life Science Journal*;11(12s)
- Sarfraz Kiani ,Arfan Ali Kamran Shehzad Bajwa Adnan Muzaffar Muhammad Aleem Ashraf **Tahir Rehman Samiullah** Ahmad Ali Shahid and Tayyab Husnain. (2013). **Cloning and Chloroplast-targeted expression studies of insect-resistant gene with ricin fusion-gene under chloroplast transit peptide in cotton.** *Electronic Journal of Biotechnology* ISSN: 0717-3458.

- Qurban Ali , Arfan Al, Muhammad Waseem , Adnan Muzaffar , Shafique Ahmed, Sajed Ali , Kamran Shehzad Bajwa , Mudassar Fareed Awan , **Tahir Rehman Samiullah** , Idrees Ahmad Nasir and Tayyab Husnain. (2014). **Correlation analysis for morpho-physiological traits of maize (Zea mays L.)**. Life Science Journal;11(12s).
- Qurban Ali, Arfan Al, Muhammad Tariq, Malik Adil abbas, Bilal Sarwar, Mukhtar Ahmad, Mudassar Fareed Awaan, Shafique Ahmad , Zaheer Ahmad Nazar, Faheem Akram, Atif Shahzad, **Tahir Rehman Samiullah**, Idrees Ahmad Nasir and Tayyab Husnain. (2014) **Gene Action for Various Grain and Fodder Quality Traits in Zea Mays**. Journal of Food and Nutrition Research, Vol. 2, No. 10, 704-717

### **Research Projects Completed as (Team Scientist)**

Development of transgenic cotton with multiple genes resistant to cotton leaf curl virus working as Scientist in PARB Project to control bollworm weeds and CLCuV.

### **Research Projects Presently in Progress as (Team Scientist)**

Transformation of gene constructs and genetically-engineered germplasm resources/commercial genotypes resistant to develop cotton leaf curl disease and/or its insect vector working as Scientist in Pak US ICARDA Project to control CLCuV Funded by USDA

Risk assessment study of Transgenic Crops on animals ( Rat, Rabbit, Goat) Funded by HEC.

### **Workshop/Conferences Conducted/Attended/Participated**

- **19-23 December 2011 Serve as Resource Person in Training Course Entitled “Advances in Application of Molecular Biology Organized by Centre of Excellence in Molecular Biology”..**
- **18-19 March 2014 Member of Organizing Committee in training workshop Entitled “ The Development and Training of transgenics for Cotton Leaf Curl Virus (CLCuV) Disease Resistance” Organized by Centre of Excellence in Molecular Biology.**

### **Current Status:**

Presently I am working as Researcher Officer cum lecturer in National Center of Excellence in Molecular Biology (CEMB) University of the Punjab Lahore.

### **Analytical Skills:**

Various molecular methods have been established to detect GM crops by DNA and protein analysis.

## **Research Projects/Activities:**

### **Research Project M.Sc:**

Isolation, Purification and characterization of extracellular Beta-glucosidase from Bacillus sp.

### **Research Project M.Phil:**

Production of Anti Bovine Growth Hormone (b-GH) Rabbit Polyclonal Antibodies.

### **Research Project Ph.D:**

Expression of HA gene in maize for production of edible vaccine against Avian Influenza Virus (AIV)

### **Internees Co-supervised:**

- Detection of insecticidal toxins Genetically Modified Agriculture Products.
- Evaluation of CEMB Bt Cotton lines.

### **Ongoing Work in CEMB**

Presently I am involved in pre and post release monitoring of GM crops from CEMB and private sector.

### **Other Research Activities:**

- GMO detection
- Transformation in cotton
- Transformation in Rice
- Forensic research
- Protein purification
- Phytoremediation of industrial effluents by using microbes, non-edible and ornamental plants.
- Biological treatment of textile wastewater.
- Color removal from textile effluent.
- Assessment of damage caused to soil at kasur by leather tanning industry
- Bioremediation of Oil Contaminated Seashore at Karachi

### **Skills/Techniques :**

During my studies and Job I learned the following techniques.

- Tissue culturing
- Plasmid isolation by mini and maxi prep
- Cloning
- Transformation
- Western Blot
- Dot blot
- Chromatography
- PCR
- Fermentation
- Bacterial culturing
- Protein quantification
- GM detection on Molecular level

## **Computer Skills:**

I have done MS Office (MS WORD, MS EXCEL, MS POWERPOINT, MS ACCESS, and FRONTPAGE).

I have good knowledge of DOS, Windows 98-2000 and Windows XP operating systems.