



Universiteit  
Leiden  
The Netherlands

## **Molecular engineering of plant development using *Agrobacterium*-mediated protein translocation**

Khan, M.

### **Citation**

Khan, M. (2017, March 22). *Molecular engineering of plant development using Agrobacterium-mediated protein translocation*. Retrieved from <https://hdl.handle.net/1887/47374>

Version: Not Applicable (or Unknown)

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/47374>

**Note:** To cite this publication please use the final published version (if applicable).

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/47374> holds various files of this Leiden University dissertation

**Author:** Khan, M.

**Title:** Molecular engineering of plant development using Agrobacterium-mediated protein translocation

**Issue Date:** 2017-03-22

## ACKNOWLEDGMENTS

A successful scientific career requires good health, the potential to work hard, a scientific mind and patience. So first of all I am very thankful to my God who blessed me with all these blessings. Beside these blessings you also need support, encouragement, and guidance which you can get only from your family, teachers, friends and colleagues. Among my family I am very thankful to my parents, who are not only responsible for my existence but they also have supported, encouraged and educated me both socially and morally. My PhD is actually the result of my parents' prayers and wishes. Next, I would like to acknowledge my master supervisor **Raham Sher Khan** for making my scientific research base and the **Institute of Biotechnology and Genetic Engineering (IBGE) The University of Agriculture Peshawar (Pakistan)** for awarding me with a faculty development overseas PhD scholarship and **Institute of Biology Leiden (IBL)**, for giving me the opportunity to study in the Netherlands at Leiden University.



The successful completion of PhD in science is not possible without good supervision and guidance, but my supervisor **Remko Offringa** not only supervised me in understanding, working with and writing science but also taught me how to supervise the science students. Although I did not have many interactions with my promotor **Paul Hooykaas**, I am very thankful to him for his guidance and suggestions during work discussions and coffee breaks and also for his treating not only me but everyone with a smiling face. I am also thankful to senior staff members of Molecular and Developmental Genetics department: **Paul van Heusden, Bert van der Zaal** and **Sylvia de Pater** for their feedback and suggestions during discussions.

Finding my PhD position at the IBL in the Sylvius Laboratory of Leiden University and settling down in Leiden was made possible because of the help of my friends, and now I will defend my thesis also with the help of my friends in the form of my paranymphs. So in acknowledging my friends and colleagues first I would like to say thanks to **Ghulam Hasnain** for contacting me with my supervisor and then to **Muhammad Khurshid, Muhammad Faraz, and Muhammad Tayyab Akhtar**, who not only helped me to settle here in Leiden but also treated me like my brothers. I would also like to say thanks to my other Pakistani friends especially to **Muhammad Ibrahim** for accompanying me during prayer times in the lab, and for nice gatherings, food and jokes to **Muhammad Zaman, Muhammad Fawad Khan, Mujeeb ur Rahman, Irshad ul Haq, Muhammad Belkarme, Muhammad Tariq, Muhammad Waseem Akhtar, Muhammad Shahbaz Anwar, Nasir Bilal, Muzammil Iqbal, Amir Aslam, Amir Aziz, Muhammad Yahya, Muhammad Kamran, Farooq Ahmad, Samrah Masud, Muzafar Ali khan, Sohaib Aslam, Zeshan Hassan** and **Imran Haider**.

Nobody is perfect in this world. You need help, support and encouragement and also most of the time during a PhD in science you have to be in the lab. So if you don't have good and helpful friends and colleagues there, not only your working efficiency decreases but your life in the workplace can become boring and miserable. So I am very thankful to all my friends and colleagues at my lab: **Myckel, Elco, Kasper, Eike, Philippe, Omid, Cheryl, Yuanwei, Arezoo,**

**Niels, Reza, Kiki, Gary, Yao, Xiao, Xiaoyu, Xiao-Rong, Anne, Niharika, Felix, Daan, Shwai, Suyun, Haxi, Amke, Ward, Marianne, Gerda, Jan and Johan.**

The people who suffered the most and sacrificed for my PhD are my family, especially my wife and my children. I have not been able to thank them as much as I would wish for their support, as they had to remain at home while I continued my academic career. I would also like to acknowledge my brothers and sisters for their best wishes for my PhD and especially my elder brother **Amjad Ali**, who not only encouraged me in my whole academic career, but also financially supported me.



I would also like to thank **Molvi Tahir, Saiful Islam, Haji Abdullatif, Ahmadush, Abdu ur Raouf, Muhammad Yasin and Muhammad Arif** for their advises and guidance to be a good human and good Muslim, not only during my stay in the Netherlands, but also for the rest of my life. In the end I would like to thank all those people who taught, encouraged, guided, helped and supported me directly or indirectly in my academic career starting from my primary school to the end of this PhD.