



ASAB

**Research Collaboration Agreement (RCA) Form**

Name of ASAB Faculty	Dr. Ghulam Haider
Collaborating Institute / University	United States Department of Agriculture, USA
Name of the Collaborator / Researcher	Dr. Tariq Shah
Researcher (Student name, batch)	Tariq Shah, 2020/INRAE
Project Title	Soil Microbiome under pollution stress
Project Objectives	1. Chemical communication in the rhizosphere under abiotic stress
Deliverables	Optimization lab analysis techniques
*Duration of Collaboration	30, March 2020
Inputs to the Project / Resources by Each Collaborator	Collaboration under DAAD project by Dr. Ghulam Haider
Name of host ASAB laboratory	Department of Plant Biotechnology (Glass house)
Involvement of Students Yes/ No (If Yes please provide details)	Name of the Student(s): Attia Rubab Khalid Degree Title: Master Academic Session: 2020-2022
Role as	Supervisor <input type="checkbox"/> Co-Supervisor <input type="checkbox"/> GEC Member <input type="checkbox"/> <input checked="" type="checkbox"/> External /collaborator ✓
Financial contribution	For purchase of research items by the Collaborator (other institute) Yes/No (If yes, please provide the details). No
Level of Collaboration Publications Intellectual property	Likelihood of publishable outcome of the project Yes/No (If yes, please provide the list of potential authors.). No 1. Likelihood of Patentable discovery/invention from this research project? Yes/No (If yes, please provide details). No 2. Likelihood of commercializing/licensing the discovery/invention from this research project? Yes/No (If yes, please provide details). No
Termination of agreement	March 31, 2022

Collaborating Faculty (ASAB)

Collaborating Faculty (other Institute)

Head of the Department (ASAB)

HoD Research (ASAB)

Dr. Hussnain A Janjua (Principal ASAB)

*[Signatures]*  
**Dr. Ghulam Haider**  
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**Dr. Muhammad Faraz Bhatti**  
 Head of Department (HoD)  
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**DR. ANEELA JAVED**  
 Associate Professor  
 Deptt of Healthcare Biotechnology  
 Atta-ur-Rahman School of Applied  
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**Dr. Hussnain A. Janjua**  
 Principal  
 Atta-ur-Rahman School of Applied  
 Biosciences (ASAB)  
 NUST, Islamabad  
 2/2/2022

\*Maximum duration for each collaboration should not be more than three years. Agreement can be renewed after expiration of duration.  
 \*\*A copy must be submitted to Research Cell ASAB and respective HoD.