

## **Recommendation of Supervisor**

Supervisor's opinion on Ph.D. thesis of Mr. Musaddaq Azeem, M.Sc.

I have known Mr. Musaddaq Azeem since 2016.

His Ph.D. thesis is entitled "Scientific Design of Multilayer Fog Collectors" in the field of study "Textile Technics and Materials Engineering".

This dissertation is focused on the optimal design of multilayer fog collectors and the surface wettability of vertical harps of fog collectors. This research work highlighted the appropriate structures and designs beneficial for increasing the water collection efficiency and fog harvesting phenomenon. Fog harvesting techniques would have to consider a particular scope to advance the habitable and sustainability of this earth.

During his Ph.D., he validated his skill to execute high-quality research, with motivation and hard work. Naturally, he needed guidance, but once the goal was set, he performed very well to reach goal. It is very pleasant for me to see him working on a high level of research that is valuable for mankind and living organisms on the earth.

He has published 16 articles in highly impact factor journal, of which he is the first author in 10 articles. All published articles reflect the orientation related to his Ph.D. work. He completed most of his experimental work at Chile in Adolfo Ibáñez University - Campus Viña del Mar, where his local co-supervisor was Prof. Dr. Jacques Dumais.

Consequently, I recommend Mr. Musaddaq Azeem's thesis be accepted for defense.

prof. Ing. Jakub Wiener, PhD.  
supervisor