

# Mohtashim Mansoor

Defence Faculty  
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## About

Dr. Mohtashim Mansoor is working as Defence Faculty in the College of Aeronautical Engineering. Dr. Mohtashim Mansoor has a PhD in Mems. Dr. Mohtashim Mansoor has published 10 research articles & conference papers having a citation count of 350, carried out 1 projects and filed 0 intellectual property.

## Qualifications

PhD in Mems  
Air University , Pakistan

## Experience

Defence Faculty	2022- Present
College of Aeronautical Engineering	
Defence Faculty	2017 - 2022
College of Aeronautical Engineering	
	- Present

## Professional Memberships

PEC

## Research Projects

National Projects	
Design of Rocket motor for assisted takeoff of target drone	2020
Funding Agency: IGNITE	
Amount: PKR 70,000.00	
Status: Completed	

## International Projects

## Research Articles

- A novel solution methodology for longitudinal flight characterization of a Flying-Wing Micro Aerial Vehicle** 2022  
*Taimur Ali Shams Syed Irtiza Ali Shah Aamer Shahzad Muzaffar Habib Farhat Asim Mohtashim Mansoor*  
*Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering*, Pages 1-19  
**Impact Factor:** 1.056 | **Quartile:** 4  
**DOI:** <https://doi.org/10.1177/09544100221081845>
- On the meshfree particle methods for fluid-structure interaction problems** 2021  
*Farrukh Mazhar Ali Javed Jing Tang Xing Aamer Shahzad Mohtashim Mansoor Adnan Maqsood Syed Irtiza Ali Shah Kamran Asim*  
*Engineering Analysis with Boundary Elements*, Volume 124, Pages 14-40  
**Impact Factor:** 3.250 | **Quartile:** 1 | **Citations:** 38  
**DOI:** [10.1016/j.enganabound.2020.11.005](https://doi.org/10.1016/j.enganabound.2020.11.005)
- Application of MEMS in safety and arming devices: an overview** 2021  
*Muhammad Rehan Mohtashim Mansoor*  
*Microsystem Technologies*, Pages 1-12  
**Impact Factor:** 2.012 | **Quartile:** 3 | **Citations:** 22  
**DOI:** <https://doi.org/10.1007/s00542-020-05162-4>
- A review of principles of MEMS pressure sensing with its aerospace applications** 2019  
*Yaser Javed Mohtashim Mansoor Syed Irtiza Ali Shah*  
*Sensor Review*, Volume: 39 Issue: 5 Pages: 652-664  
**Impact Factor:** 1.217 | **Quartile:** 4 | **Citations:** 108  
**DOI:** [10.1108/SR-06-2018-0135](https://doi.org/10.1108/SR-06-2018-0135)
- Evaluation of thin film p-type single crystal silicon for use as a CMOS Resistance Temperature Detector (RTD)** 2018  
*Zahid Mehmood Mohtashim Mansoor S. Zeeshan Ali Florin Udrea Ibraheem Haneef*  
*Sensors and Actuators A: Physical*, Volume 283, Pages 159-168  
**Impact Factor:** 2.739 | **Quartile:** 2 | **Citations:** 17  
**DOI:** [doi.org/10.1016/j.sna.2018.09.062](https://doi.org/10.1016/j.sna.2018.09.062)
- A maskless etching technique for fabrication of 3D MEMS structures in SOI CMOS devices** 2018  
*Mohtashim Mansoor Ibraheem Haneef Andrea DeLuca John Coull Florin Udrea*  
*Journal of Micromechanics and Microengineering*, Volume 28, Number 8, Article Number 085013  
**Impact Factor:** 2.141 | **Quartile:** 2 | **Citations:** 7  
**DOI:** [10.1088/1361-6439/aabe0d](https://doi.org/10.1088/1361-6439/aabe0d)
- An SOI CMOS-based multi-sensor MEMS chip for fluidic applications** 2016  
*Mohtashim Mansoor Ibraheem Haneef Suhail Akhtar Muhammad Aftab Rafiq Andrea De Luca Syed Zeeshan Ali Florin Udrea*  
*Sensors*, Volume 16, Issue 11, Article Number 1608  
**Impact Factor:** 2.677 | **Quartile:** 1 | **Citations:** 26  
**DOI:** [doi:10.3390/s16111608](https://doi.org/10.3390/s16111608)

## Conference Proceedings

- An overview of methods for investigation of aeroelastic response on high aspect ratio fixed-winged aircraft** 2020  
*Muhammad Khizer Ali Khan Ali Javed Muhammad Nafees Mumtaz Qadri Mohtashim Mansoor Farrukh Mazhar*  
*3rd Pak-Turk International Conference ETSE2020*, res.country(177,)  
**Citations:** N/A  
**DOI:** <https://iopscience.iop.org/article/10.1088/1757-899X/899/1/012002/meta#references>
- SOI CMOS multi-sensors MEMS chip for aerospace applications** 2014  
*M. Mansoor Ibraheem Haneef Suhail Akhtar Muhammad Rafiq M. A. Rafiq Florin Udrea S. Z. Ali*  
*Proceedings of IEEE Sensors*, res.country(68,)  
**Citations:** N/A  
**DOI:** [10.1109/ICSENS.2014.6985225](https://doi.org/10.1109/ICSENS.2014.6985225)