

## Other Sources

## Publications

1. **D. Poddar**, A. Gangwar, and D. Das. Bio-inspired perforated flapping wings. International Conference on Intelligent Unmanned Systems, 2023.
2. **D. Poddar**, N. Kumar, J. Mohd., and D. Das. Aerodynamics of flapping fin inspired from manta ray. In Fluid Mechanics and Fluid Power, Volume 2, pages 513–523, Singapore, 2024. Springer Nature Singapore. ISBN 978-981-99-5752-1.  
[Aerodynamics of Flapping Fin Inspired from Manta Ray | SpringerLink](#)
3. G. Wadhwa, A. Tambe, J. Mohd, **D. Poddar**, R. Rajan, G. Mandal, P. Kadam, S. Saha, and D. Das. Regime transitions in a laminar film flowing over a cylinder. Bulletin of the American Physical Society, 2023 .  
<https://meetings.aps.org/Meeting/DFD23/Session/R23.4>
4. R. Rajan, B. P. Akherya, J. Mohd., **D. Poddar**, G. Wadhwa, S. Saha, and D. Das. Flow falling from slit and circular hole over a horizontal cylinder. In Fluid Mechanics and Fluid Power, Volume 6, pages 261–271, Singapore, 2024. Springer Nature Singapore. ISBN 978-981-99-5755-2  
[https://link.springer.com/chapter/10.1007/978-981-99-5755-2\\_28](https://link.springer.com/chapter/10.1007/978-981-99-5755-2_28)

## Patents and Copyright

1. Design Software Architecture for Virtual Ecosystem for Enabling Revenue, Open Platform.  
Copyright Reg.No-L145397/2024
2. A Biomimicry Scout Camera System for Monitoring Activities of Objects.  
Patent No. IN 480305  
Featured in Dainik Jagran newspaper for invention.
3. Modular Design of a Mechanism for Neutralizing Flying Objects. (Submitted)

**Master Thesis:** <https://github.com/dharambirpoddar/masterThesis-IIT-K>

**Thesis Presentation:** [Master Thesis Presentation](#)

**Videos:**  Robotic Bird

