

- **Designation: Assistant Professor**
- **Educational Qualifications: M. Sc., Ph. D.**
- **Teaching Experience : 2.5 years on 26/08/2017 (UG)**
- **Area of Specialization/Interests : Cosmology**
- **Publications in Journals :**

1. **D. Adak** and A. Ali,

“Bounce and Collapse in the Slotheon Universe,”
Int. J. Mod. Phys. D **26**, no. 09, 1750089 (2017)
doi:10.1142/S0218271817500894
[arXiv:1610.01203 [gr-qc]].

2. **D. Adak** and K. Dutta,

“Viable dark energy models using pseudo-Nambu-Goldstone bosons,”
Phys. Rev. D **90**, no. 4, 043502 (2014)
doi:10.1103/PhysRevD.90.043502
[arXiv:1404.1570 [astro-ph.CO]].

3. **D. Adak**, A. Ali and D. Majumdar,

“Late time acceleration in a slow moving galileon field,”
Phys. Rev. D **88**, no. 2, 024007 (2013)
doi:10.1103/PhysRevD.88.024007
[arXiv:1305.2330 [astro-ph.CO]].

4. **D. Adak**, D. Majumdar and S. Pal,

“Generalizing thawing dark energy models: the standard vis-à-vis model independent diagnostics,”
Mon. Not. Roy. Astron. Soc. **437**, no. 1, 831 (2014)
doi:10.1093/mnras/stt1941
[arXiv:1210.2565 [astro-ph.CO]].

5. D. Majumdar, A. Bandyopadhyay and **D. Adak**,

“Reconstructing the equation of state and density parameter for dark energy from combined analysis of recent SNeIa, OHD and BAO data,”
J. Phys. Conf. Ser. **375**, 032008 (2012).
doi:10.1088/1742-6596/375/1/032008