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Academic Qualifications:

1. Obtained Ph.D degree in Physics from Aliah University in the year-2017.

2. Passed B.Edfrom West Bengal State University in 2012.

3. Passed M.Sc in Physics from West Bengal State University in 2010.

4. Passed B.Sc in Physics Honours from Calcutta University in 2008.

Teaching Experience:

Since 4th January 2020Assistant Professor of Physics in New Alipore College.

Research Experience:

Research scholar at the Physics Department of Aliah UniversityAstrophysics and Astronomy section.

Publications:

1. **Analytical model of strange star in Durgapalspacetime**
   Rabiul Islam, SajahanMolla, MehediKalam. 2019.
   Published in **Astrophys.Space Sci. 364 (2019) no.7, 112**
   DOI: 10.1007/s10509-019-3603-3
2. **Analytical model of compact star in low-mass X-ray binary with de Sitter spacetime**
   SajahanMolla, Rabiul Islam, Md. Abdul KayumJafry, MehediKalam. Aug 29, 2018. 8 pp.
   Published in **Res.Astron.Astrophys. 19 (2019) no.2, 026**
   DOI: 10.1088/1674-4527/19/2/26
3. **Analytical model of massive Pulsar J0348+0432**
   M.AbdulKayumJafry, SajahanMolla, Rabiul Islam, MehediKalam. 2017.
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4. **Relativistic model of neutron stars in X-ray binary**
   MehediKalam, SkMonowarHossein, Rabiul Islam, SajahanMolla. 2017. 10 pp.
   Published in **Mod.Phys.Lett. A32 (2017) no.04, 1750012**

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5. **Possible radii of compact stars: A relativistic approach**
   MehediKalam, SkMonowarHossein, SajahanMolla. 2016. 10 pp.
   Published in **Mod.Phys.Lett. A31 (2016) no.40, 1650219**
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6. **Analytical model of strange star in low-mass X-ray binary KS 1731-260**
   Sk.MonowarHossein, NurFarhad, SajahanMolla, MehediKalam. 2016.
   Published in **Astrophys.Space Sci. 361 (2016) no.10, 333**
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7. **Theoretical investigation of the neutron star in low-mass X-ray binary X1822-371 (V691 CrA)**
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   Published in **Astrophys.Space Sci. 361 (2016) no.6, 203**
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8. **Neutron stars: a relativistic study**
   MehediKalam, Sk. MonowarHossein, SajahanMolla. Oct 23, 2015. 8 pp.
   Published in **Res.Astron.Astrophys. 18 (2018) no.3, 025**
   DOI: 10.1088/1674-4527/18/3/25
9. **Isotropic star in low-mass X-ray binaries and X-ray pulsars**
   MehediKalam, Sk. MonowarHossein, SajahanMolla. Oct 1, 2014. 7 pp.
   e-Print: **arXiv:1410.0199 [gr-qc]**
   Published in a Conference Proceedings of a National Level Seminar
   ISBN : 978-81-924395-5-6
10. **Compact Stars in low-mass X-ray binaries**
    Sk. MonowarHossein, SajahanMolla, Md. Abdul KayumJafry, MehediKalam. Aug 11, 2014. 6 pp.
    e-Print: **arXiv:1408.2412 [gr-qc]**
    Status : Under Review
11. **Analytical model of strange star in the low-mass X-ray binary 4U 1820-30**
    MehediKalam, FarookRahaman, SajahanMolla, Md. Abdul KayumJafry, Sk. MonowarHossein. Jan 4, 2014.
    Published in **Eur.Phys.J. C74 (2014) no.99, 2971**
    DOI: 10.1140/epjc/s10052-014-2971-7
12. **Anisotropic Quintessence stars**
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