

## Educational Information

Degree	Institution	Field	Date
<b>B.Sc:</b>	Ferdowsi University of Mashhad,IRAN	Nuclear Physics	1989
<b>M.Sc:</b>	Ferdowsi University of Mashhad,IRAN	Astronomy	1992
<b>Ph.D:</b>	Ferdowsi University of Mashhad,IRAN	Astronomy	2001

## Publications

**Seminars-Conferences**10. Thermal instability in ionized plasma, Ap&SS ,326,83, (2010)

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9. Time Dependent of advection-dominated accretion Flow with a Toroidal Magnetic Field, Monthly Notices of the Royal Astronomical Society, 398,1361-1367,(2009).

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8. Time Dependent of Accretion Flow with Toroidal Magnetic Field, Monthly Notices of the Royal Astronomical Society, 389,1218-1222,(2008).

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7. Artificial viscosity in simulation of Waves by smoothed particle hydrodynamics, Astrophys Space Sci, 313,425-430, 2008.

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6. Dark Cloud Formation at Various Galactic Radii via Isobaric Evolution of Thermal Unstable Neutral Atomic Clouds , Journal of Damghan University basic Science (JDBUS), in press

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5. The Nonlinear Thermal Instability in ISM: Typical net Cooling Functions, Bull.Astr.Soc.India, 35,1-13, 2007

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4. The Magnetic Field Effect on Planetary Nebulae , Chin. J.Astron.Astrophys, 6,723-728,2006

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3. Dynamical and Ionisation structures of PNe in 3-D: A simulation for NGC 3132, Astrophysics and Space Science, 288: 465-482, 2003

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2. Dynamical Structure of PNe in 3-Dimensions,Astrophysics and Space Sciences, 278:391-402,,2001

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1. A Model for PNe IC418, Journal of Iranian Physical Society, Pazhoresh,1(2):103- 110,1997

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**Teaching**26. Annual Iranian Astronomy Conference, Zahedan, Iran (2011) ( Thermal instability in molecular clouds in the presence of Hall effect II )

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25. Annual Iranian Astronomy Conference, IASBS, Zanjan, Iran (2009) (Calculating energy an momentum rate in planetary and proto planetary Nebulae by method MHD Disk Wind)

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24. Annual Iranian Astronomy Conference, IASBS, Zanjan, Iran (2009) (Magneto hydrodynamic plasma model in PNe)

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23. Annual Iranian Astronomy Conference, IASBS, Zanjan, Iran (2009) ( Thermal instability in molecular clouds in the presence of Hall effect I)

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22. Annual Iranian Astronomy Conference, IASBS, Zanjan, Iran (2009) (Linear gravitational Instability of slab molecular clouds with ambipolar diffusion)

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21. Annual Iranian Astronomy Conference, IASBS, Kordestan, Iran (2008) (Cluster for mation in Galactic Radii)

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20. Annual Iranian Astronomy Conference, IASBS, Kordestan, Iran (2008) (Simulation of shock Waves by SPH)

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19. Annual Iranian Astronomy Conference, IASBS, Kordestan, Iran (2008) (Calculation of thermal instability via cooling and heating parameters in PNe )

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18. Annual Iranian Astronomy Conference, IASBS, Kordestan, Iran (2008) (Numerical solution of molecular clouds evolution equations by adomian decomposition method.)

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17. Annual Iranian Astronomy Conference, IASBS, Kordestan, Iran (2008) (Calculation of the magnetohydrodynamic mass winds out flow in Accretion discs)

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16. Annual Iranian Astronomy Conference, IASBS, Kordestan, Iran (2008) (Advection Dominated Accretion Flow with Toroidal Magnetic Field)

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15. Annual Iranian Astronomy Conference, IASBS, Zanjan, Iran (2007) (Radial Dependent of Mass Accretion rate in thick discs)

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14. Annual Iranian Astronomy Conference, IASBS, Zanjan, Iran (2007) (Analytical Solution of non-axisymmetrical Advection Dominated Accretion Flow)

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13. Annual Iranian Astronomy Conference, IASBS, Zanjan, Iran (2007) (Time Dependent of quasi-Spherical Polytropic Magnetized Accretion)

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12. Annual Iranian Astronomy Conference, IASBS, Zanjan, Iran (2007) (Nonlinear Thermal Instability and Formation of Small-Scale Condensations in Molecular Clouds)

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11. Annual Iranian Physics Conference, Shahrod University of Technology , Iran (2007) (Self-Similar Solution of Thermal Instability by Ambipolar Diffusion in Molecular Clouds )

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10. IAU ,S237 249, 14-18 Aug., Czech Republic, Prague 2006 (Drop Like Grain Alignment by Ambipolar Diffusion in Molecular Cloud)

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9. Annual Iranian Astronomy Conference, IASBS, Zanjan, Iran (2006) (Alignment of non-rotating grains in Molecular Clouds)

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8. Annual Iranian Astronomy Conference, IASBS, Zanjan, Iran (2006) (Analytical Solution of Thin Accretion Discs by Series Expansion)

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7. Annual Iranian Astronomy Conference, IASBS, Zanjan, Iran (2005) (Non- linear Thermal Instability in ISM)

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6. Annual Iranian Astronomy Conference, IASBS, Zanjan, Iran (2005) (Magnetic field effect on shape of PNe)

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5. Annual Iranian Physics Conference, Power and Water University of Technology , Iran (2004) (Magnetic field effect on Planetary Nebulae)

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4. Annual Iranian Astronomy Conference, FUM, Mashhad, Iran (2003) (The heating and cooling effect on the PNe shapes)

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3. Annual Iranian Astronomy Conference, IASBS, Zanjan, Iran (2003) (A study of Dynamic of PNe in 3-Dimensions)

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2. The ISM in M31 and M33, WE-Heraus Seminars, Bad Honnef Germany, 2000 (Dynamical structures of PNe; A numerical solution)

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1. Annual Iranian Physics Conference, Ferdowsi University, Mashhad, Iran (1996) (Dynamical Structure of PNe in 2 Dimentions)