

Kumaun University, Nainital

Curriculum Vitae

Name : Dr. PRAVEEN SINGH NEGI
Designation : Associate Professor
Department : Department of Physics
Contact Information
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ORCD ID :
Scopus ID :
Vidwan ID :

Educational Qualification

Degree	University	Subjects	Year
B Sc	Rohilkhand	Physics, Chemistry, Maths	1981
M Sc	Kumaun	Physics	1984
PhD	Kumaun	Physics	1992

Work Experience

Position	Department	University/Organization	Year
SRF of CSIR	Physics	Kumaun	1990
PI of SERCYS, DST	Physics	Kumaun	1993
Pool Officer, CSIR	Physics	Kumaun	1996
Visiting Faculty Member	Physics	Kumaun	2001
Permanent Faculty Member	Physics	Kumaun	2005 - Present

Administrative Responsibilities

Position	Nature of responsibility	University/Organization	Year

Research Interests

(List your research interests and areas of expertise in 1-3 lines)

To study the solutions of Einstein's field equations and Equations of State and find their application for the case of physically realistic stellar objects. Modelling of spiral galaxies on the basis their rotation curves and explanation of huge masses accumulated at their centres.

Publications (start from recent publications)

a) Research Papers

Authors name	Title of the paper	Vol, page no	Year
Negi P. S.	The Stability of...	Ap& SS 366, 78	2021
Negi P. S.	Massive Neutron...	Ap&SS 365, 32	2020
Negi P. S.	A Core-Envelope...	IJSTR 9, 3596	2020
Negi P. S.	A Two Component...	JES 11, 86	2020
Negi P. S. et al	A Core Envelope Massive...	GRG 51, 131	2019
Negi P. S.	The Schwarzschild Mass...	IJAp&SS 7, 84	2019
Negi P. S.	Analytic Core Envelope models...	Ap&SS 364, 149	2019
Pant N. & Negi P. S.	Variety of well behaved...	Ap&sSS 338, 163	2012
Negi P. S.	Dynamical Stability...	IJMPD 20, 1171	2011
Durgapal M. C. & Negi P. S.	Thermal Equilibrium...	IJTP 50, 3289	2011
Negi P. S.	Neutron Star Sequences...	Ap&SS 332, 145	2011
Negi P. S.	Hydrostatic Equilibrium...	MNRAS 388, 1161	2008
Negi P. S.	The Stability of...	GRG 39, 529	2007
Negi P. S.	Necessary and Sufficient condition...	IJMPD	2007
Negi P. S.	Exact Solutions of...	IJTP 45, 1684	2006
Negi P. S.	A Starquake Model...	MNRAS 366, 73	2006
Negi P. S.	An Upper Bound On...	A&A 431, 673	2005

Negi P. S.	Hydrostatic Equilibrium of insular...	MPLA 19, 2941	2004
Negi P. S.	Causal Configurations...	IJMPD 13, 157	2004
Negi P. S.	Rotation Curves of...	G&C 9, 291	2003
Negi P. S. & Durgapal M. C.	Status of a Self Bound...	G&C 7, 37	2001
Negi P. S. & Durgapal M. C.	Equation of State...	Ap&SS 275, 299	2001
Negi P. S. & Durgapal M.C.	Relativistic Supermassive Stars	Ap&SS 275, 185	2001
Durgapal M.C. & Negi P. S.	Homogeneous spheres...	Ap&SS 274, 539	2000
Negi P. S. & Durgapal M. C.	Stable Ultracompact Objects...	A&A 353, 641	2000
Negi P. S. & Durgapal M. C.	Stable Ultracompact Objects and Submillisecond Pulsars.	G&C 5, 191	1999
Negi P. S. & Durgapal M. C.	Stable Ultracompact Objects	GRG 31, 13	1999
Negi P. S. & Durgapal M. C.	Motion of Test-Particles...	Ap&SS 245, 97	1996
Negi P. S. et al	Trajectories of nonzero...	Ap J 406, 1	1993
Negi P. S. et al	Trajectories of zero...	Ap&SS 176, 131	1991
Negi P. S. et al	Trapping of Test-Particles...	Ap&SS 166, 1	1990

Negi P. S. et al	A Core-Envelope Massive...	GRG 22, 735	1990
Negi P. S. et al	Analytic Core-Envelope...	CQG 6, 1141	1989

b) Patents (start from recent publications)

Authors name	Title of the patent	Patent no (Granted or filed)	Year

c) Books (start from recent publications)

Authors name	Title of the book	Publisher	ISBN	Year

d) Book chapters (start from recent publications)

Authors name	Title of the book	Publisher	ISBN	Year

e) Conference Publications/Proceedings (start from recent publications)

Authors name	Title of the paper	Conference name	Year
Mitra A and Negi, P. S.	Black Holes or Eternally Collapsing Objects	International conference on Nuclear Physics, BARC, Mumbai	2005
Negi P. S. And Durgapal M. C.	Analytic solutions and upper bound on Neutron star masses	IAGR conference, Gorakhpur	1999
Negi P. S. And Durgapal M. C.	Q- Stars and submillisecond pulsars	IAGR conference, Gorakhpur	1999

Projects

Title of the project	Funding agency	Amount (Rs)	Year
Galactic Clusters and Dark Matter	DST, New Delhi	1, 70,000 = 00	1993 -1995

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Teaching details

Name of the course/paper	Department	University	Year
General Relativity and Cosmology	Physics	Kumaun	2005 - Present
Astrophysics	Physics	Kumaun	2005 - 2021
Atomic and Molecular Spectra	Physics	Kumaun	2016 – Present
Heat and Thermodynamics	Physics	Physics	2005 - Present

Professional Memberships

Organization	Position	Year

Honours and Awards

Award	Awarding Organization	Year
POOL Officer	CSIR, New Delhi	1999
PI of SERCYS	DST, New Delhi	1993
SRF	CSIR, New Delhi	1990

Conference Presentations

Title of presentation	Conference name	Name of the institution	Year
Paper	Int. Conf. On Nuclear Physics	BARC, Mumbai	2005
Paper	IAGRG Conference	Gorakhpur, UP	1999
Paper	IAGRG Conference	Gorakhpur, UP	1999

Praveen Singh Negi

Signature of the faculty member