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يعمل في الجامعة: منذ 2010

الحالة الاجتماعية: Married...

حصل على درجة الدكتوراة في فيزياء الغلاف الجوي من جامعة موهانلال سوكانديا في عام 2010. و حصل على درجة الماجستير في الفيزياء من جامعة ماهاتما غاندي في عام 2000. و حصل على درجة البكالوريوس في الفيزياء من جامعة ماهاتما غاندي في عام 1997. أما اهتماماته البحثية تقع في مجال علم الغلاف الجوي، و النسبية لكيمياء الغلاف الجوي.

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المؤهلات الأكاديمية

Ph.D. in Physics , Mohanlal Sukhadia University, India , 2010

M.Sc in Physics, Mahatma Gandhi University, 2000

Bachelor Degree in Education, Kerala University , 1998

B.Sc. in Physics, Mahatma Gandhi University, 1997

أنشطة التدريس

General Physics, Electromagnetism and Applications, Quantum Mechanics, Sound and Optics, Sound and Optics, Thermal and Statistical Physics, Thermal Fluid, Nuclear Science and Applications, Applied Spectroscopy, Modern Physics, Optoelectronics, Experimental Methods in Electronics, Experimental Methods in Atomic and Nuclear Physics, Radiology X-ray and Dosimetry, Nuclear Science and Applications, Laser industrial Applications, Laser Communication, Laser Detectors and Photometry, Solid State Physics, Laser Design, Physics for Teacher

Atmospheric Science

Relativity

المنشورات -

مقال:

- B. Dayanandan, S. K. Maurya, Smitha T.T.: Modeling of Charged anisotropic compact stars 2017 .1
in general relativity, Published in European Physical Journal A (Springer- Verlag), Vol:53, pp:1-10
Article no. 141,2017 Impact factor- 2.833 , H- Index- 70
- S.K. Maurya, Y. K. Gupta, Baiju Dayanandan, M. K. Jasim, Ahmed Al-Jamel.: Relativistic 2016 .2
anisotropic models for compact star with equation of state, Published in international journal of
Modern physics D (World Scientific), Vol.26 (2016), 1750002, Impact factor- 1.99, H- index- 5
- M. K. Jasim, S.K. Maurya, Y.K. Gupta, B. Dayanandan.: Well behaved anisotropic star in 2016 .3
general relativity, Published in Astrophysics and Space Science, (Springer Verlag), Vol. 361, 352
(2016) Impact factor -1.678, H- index - 53
- B. Dayanandan, S. K. Maurya, Y. K. Gupta, Smitha T.T.: Anisotropic generalization of 2016 .4
Matese & Whitman solution for compact star models, Published in Astrophysics and Space
Sciences , (Springer Verlag), Vol:361, Iss:5,pp:160 (1-9) (2016), Impact facto -1.678, H- index -
.53
- S.K. Maurya, Y.K. Gupta, Baiju Dayanandan, Saibal Ray.: A new model for spherically 2016 .5
symmetric anisotropic compact star: Published in European Physical Journal C (Springer- Verlag),
.Vol:76, Iss:5, pp:266, (2016) Impact factor -4.912, H index - 124
- S. K. Maurya, Y. K. Gupta, S. Ray and B. Dayanadan.: Anisotropic models for compact 2015 .6
stars, Published in the European Physical Journal C (Springer-Verlag), Vol. 75, pp. 225 (2015)
.Impact factor - 4.912, H index - 124
- S. K. Maurya, Y. K. Gupta, B. Dayanadan and Smitha T T.: Three New Exact solutions for 2014 .7
Charged Fluid Spheres in General Relativity, Published in Astrophysics and Space Science,
(Springer- Verlag), Vol. 356, pp 75-87 (2014) (Impact factor 1.67). H- index - 53
- D.Baiju and B.M. Vyas.: Study of VHF Ionospheric Scintillation During Geomagnetic Storms 2013 .8
at Udaipur" International Journal of Astronomy, Vol.2,No.1, February 2013
- B.M. Vyas and D.Baiju.: Response of Ionospheric Total Electron Content on various 2013 .9
Geomagnetic and Interplanetary Field Parameters over Indian Sub-Continent, International Journal
of Applied Physics, ISSN 2249-3174 Volume 3,Number 1 (2013), pp. 23-41
- D.Baiju and B.M. Vyas.: Study of Night time VHF Ionospheric Scintillations over crest of 2011 .10
Equatorial Appleton Anomaly Indian Station, Udaipur" Acta Geod. Geoph. Hung. (Vol 46, 2011, No.
(1, March
- B.M. Vyas and D.Baiju.: Study of Total Ionospheric Electron Integrated Production and 2008 .11
Effective Loss Rates over Ahmedabad" Pure and Applied Science volume 27D,P1-12,2008

.Editorial member International Journal of Advanced Research in Physical Science :الآن–2015

Active Member of Indian Aerosol Association of Science and Technology :الآن–2012

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