

Bibliography from ADS file: ambastha.bib
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- Maurya, R. A. & Ambastha, A., "Magnetic and Velocity Field Topology in Active Regions of Descending Phase of Solar Cycle 23", 2020SoPh...295...106M ADS
- Ambastha, A., "Solar activity and explosive transient eruptions", 2016AsJPh...25...267A ADS
- Maurya, R. A., Ambastha, A., & Chae, J., "Activity-related variations of high-degree p-mode amplitude, width, and energy in solar active regions", 2014A&A...561A.123M ADS
- Vemareddy, P., Ambastha, A., & Wiegmann, T., "Magnetic structure of solar active region NOAA 11158", 2013BASI...41...183V ADS
- Panditi, V., Ambastha, A., Maurya, R., et al., "Helicity injection by flux motions and its role in flare and CMEs", 2013SPD...4430003P ADS
- Panditi, V., Ambastha, A., & Maurya, R., "On the Role of Rotating Sunspots in the Activity of Solar Active Region NOAA 11158", 2013SPD...44...120P ADS
- Vemareddy, P., Ambastha, A., Maurya, R. A., & Chae, J., "Helicity Injection by the Shearing Motion of Fluxes in Relation to Flares and Coronal Mass Ejections", 2013enss.confE...8V ADS
- Vemareddy, P., Ambastha, A., & Maurya, R. A., "Rotating sunspots and their role in the activity of solar active region NOAA 11158", 2013enss.confE...6V ADS
- Vemareddy, P., Ambastha, A., Maurya, R. A., & Chae, J., "On the Injection of Helicity by the Shearing Motion of Fluxes in Relation to Flares and Coronal Mass Ejections", 2012ApJ...761...86V ADS
- Vemareddy, P., Ambastha, A., & Maurya, R. A., "On the Role of Rotating Sunspots in the Activity of Solar Active Region NOAA 11158", 2012ApJ...761...60V ADS
- Tanga, P., Widemann, T., Ambastha, A., et al., "The Venus Twilight Experiment: Probing The Mesosphere In 2004 And 2012", 2012DPS...4450807T ADS
- Panditi, V., Ambastha, A., & Maurya, R. A., "On the Injection of Helicity by Shearing Motion of Fluxes in Relation to Flares and CMEs", 2012cosp...39.1440P ADS
- Ambastha, A., Maurya, R. A., & Panditi, V., "Photospheric Transients and Spectral Line Changes Associated with a Large X2.2 Flare", 2012cosp...39...42A ADS
- Vemareddy, P., Maurya, R. A., & Ambastha, A., "Filament Eruption in NOAA 11093 Leading to a Two-Ribbon M1.0 Class Flare and CME", 2012SoPh...277...337V ADS
- Das, A. C. & Ambastha, A., "High Energy Emissions from Young Stellar Objects", 2012JApA...33...1D ADS
- Maurya, R. A., Vemareddy, P., & Ambastha, A., "Velocity and Magnetic Transients Driven by the X2.2 White-light Flare of 2011 February 15 in NOAA 11158", 2012ApJ...747...134M ADS
- Ambastha, A. & Maurya, R. A., "Spectral line profile changes associated with energetic solar transients", 2012ASInC...6...197A ADS
- Maurya, R. A., Ambastha, A., & Reddy, V., "Kinetic and magnetic helicities in solar active regions", 2011JPhCS.271a2003M ADS
- Maurya, R. A. & Ambastha, A., "Variations in p-mode parameters and sub-surface flows of active regions with flare activity", 2011ASInC...2...189M ADS
- Maurya, R. A. & Ambastha, A., "Sub-surface Meridional Flow, Vorticity, and the Lifetime of Solar Active Regions", 2010ApJ...714L.196M ADS
- Maurya, R. A. & Ambastha, A., "A Technique for Automated Determination of Flare Ribbon Separation and Energy Release", 2010SoPh...262...337M ADS
- Maurya, R. A. & Ambastha, A., "The Association of Energetic Events with p-Mode Energy", 2010cosp...38.3025M ADS
- Maurya, R. A. & Ambastha, A., "Magnetic and Velocity Field Changes Related to the Solar Flares of 28 and 29 October 2003", 2010ASSP...19...517M ADS
- Maurya, R. A. & Ambastha, A., "Flows in Flaring and Dormant Active Regions", 2010ASSP...19...516M ADS
- Ambastha, A., "Solar Interior", 2010ASSP...18...15A ADS
- Ambastha, A., "Heliophysical Processes", 2010ASSP...18...G ADS
- Maurya, R. A., Ambastha, A., & Tripathy, S. C., "Variations in p-Mode Parameters with Changing Onset Time of a Large Flare", 2009ApJ...706L.235M ADS
- Maurya, R. A. & Ambastha, A., "Transient Magnetic and Doppler Features Related to the White-Light Flares in NOAA 10486", 2009SoPh...258...31M ADS
- Maurya, R. A. & Ambastha, A., "H α intensity oscillations in large flares", 2008JApA...29...249M ADS
- Maurya, R. A. & Ambastha, A., "Magnetic and velocity field variations in the active regions NOAA 10486 and NOAA 10488", 2008JApA...29...103M ADS
- Ambastha, A., "Helioseismic effects of energetic transients", 2008JApA...29...93A ADS
- Ambastha, A., "Excitation of solar p-modes by energetic transients", 2008BASIP...25...29A ADS
- Ambastha, A., "Signatures of large flares on photospheric magnetic and velocity fields", 2007BASI...35...419A ADS
- Ambastha, A., "Evolution of Magnetic and Velocity Fields in Super-active Region NOAA10486 and the Large 4B/X17.2 Flare of October 28, 2003", 2007SunGe...2...13A ADS
- Ambastha, A., "Solar Activity", 2007AIPC...919...173A ADS
- Ambastha, A., "Signatures of Large Flares on Photospheric Magnetic and Velocity Fields", 2006ihy...workE..26A ADS
- Ambastha, A. & Antia, H. M., "Possibility of Excitation of Low- ℓ P-Modes by Energetic Solar Transients", 2006SoPh...238...219A ADS
- Ambastha, A., "Photospheric, Chromospheric and Helioseismic Signatures of a Large Flare in Super-active Region NOAA 10486", 2006JApA...27...255A ADS
- Ambastha, A., Ravindra, B., & Gosain, S., "H α Observations of 8 June, 2004 Venus Transit", 2006SoPh...233...171A ADS
- Ravindra, B., Ambastha, A., & Gosain, S., "Preliminary Results of Venus Transit of June 8, 2004 Observed in H α 6563 Å", 2005BASI...33...366R ADS
- Ambastha, A., "Magnetic Evolution of Super-Active Region NOAA AR 10486 and the Large 4B/X17.2 Class Flare Observed During October 28, 2003", 2005BASI...33...364A ADS
- Janve, V. A. & Ambastha, A., "Spectral Characterization of Solar Active Region NOAA 8242 in Quiet and Sunspot Locations", 2005BASI...33...360J ADS
- Ambastha, A., Basu, S., Antia, H. M., & Bogart, R. S., "Solar P-Mode Characteristics Associated with Superactive-Regions Observed during OCT NOV 2003", 2004ESASP.559...293A ADS
- Ambastha, A. & Antia, H. M., "Variations in LOW- ℓ Solar P-Modes with Flare Activity", 2004ESASP.559...289A ADS
- Ambastha, A., Basu, S., & Antia, H. M., "Flare-Induced Excitation of Solar p modes", 2003SoPh...218...151A ADS
- Sridharan, R., Raja Bayanna, A., Srivastava, N., et al., "Performance Evaluation of Adaptive Optics Systems", 2003BASI...31...455S ADS
- Ambastha, A., Basu, S., & Antia, H. M., "Excitation of Solar p-mode Oscillations by Flares", 2003BASI...31...319A ADS
- Ambastha, A. & Gosain, S., "White Light and Emission Line Polarization of Solar Corona during TSE of June 21, 2001", 2003BASI...31...295A ADS
- Ambastha, A., Basu, S., & Antia, H. M., "Effects of flares on solar oscillation characteristics", 2003ESASP.517...219A ADS
- Ambastha, A., "The Active and Explosive Sun", in H. M. Antia, A. Bhatnagar, and P. Ulmschneider (Eds.), Lectures on Solar Physics, Vol. 619, 127 2003LNP...619...127A ADS
- Ambastha, A., Basu, S., & Antia, H. M., "Effect of flares on solar oscillations characteristics", 2002ESASP.508...43A ADS
- Ambastha, A., "Digital Imaging Techniques for Solar Magnetic and Velocity Fields", 2002adaa.conf...177A ADS
- Ambastha, A. & Agrawal, R.: 2001, A catalogue of Solar Filament Analysis: Year 2000, A catalogue of Solar Filament Analysis: Year 2000, Publication of the Udaipur Solar Observatory, Udaipur, India, 2001 2001csfa.rept....A ADS
- Ambastha, A. & Mathew, S. K., "A Comparison of Flux Emergence, Cancellation, and Motions in Flaring and Non-Flaring Sites of NOAA 8038 Observed by USO Magnetograph", 2001ASPC...236...313A ADS
- Mathew, S. K. & Ambastha, A., "Magnetic field gradient and flare: study of a small flare in NOAA 8038", 2000SoPh...197...75M ADS
- Ambastha, A. & Mathew, S. K., "Relationship of Non-potentially and Flaring: Intercomparison for an Mclass Flare", 2000JApA...21...271A ADS
- Mathew, S. K. & Ambastha, A., "A Rapidly Evolving Active Region NOAA 8032 Observed on April 15th 1997", 2000JApA...21...233M ADS
- Ambastha, A., Pathak, K., & Agrawal, R.: 2000, A catalogue of Solar Filament Analysis: Year 1999, A catalogue of Solar Filament Analysis: Year 1999, Publication of the Udaipur Solar Observatory, Udaipur, India, 2000. 2000csfa.rept....A ADS
- Prasad, C. D., Ambastha, A., & Mathew, S. K., "Dynamical properties of quiescent prominence in He D3 5876 & Aring line emission", 1999BASI...27...411P ADS
- Debi Prasad, C., Ambastha, A., & Mathew, S. K., "Dynamical properties of quiescent prominence in He D3 5876 Å line emission.", 1999BASI...27...411D ADS
- Mathew, S. K., Bhatnagar, A., Debi Prasad, C., & Ambastha, A., "Circular polarization measurement using a tunable lithium niobate Fabry-Perot filter", 1999ASSL...243...321M ADS

- Prasad, D., Gary, G., & Ambastha, A., "Complex $H \alpha$ Loop Activity in a Long Duration Flare", 1999ASPC...183...523P [ADS](#)
- Mathew, S., Bhatnagar, A., Debi Prasad, C., & Ambastha, A., "High Resolution Longitudinal Magnetic Field Measurements Using a Fabry-Perot Lithium Niobate Filter Based Video Magnetograph", 1999ASPC...183...256M [ADS](#)
- Mathew, S. K., Bhatnagar, A., Prasad, C. D., & Ambastha, A., "Fabry-Perot filter based solar video magnetograph", 1998A&AS...133...285M [ADS](#)
- Ambastha, A., "Solar physics in India during the next solar maximum and beyond. Proceedings. Physical Research Laboratory (Ahmedabad) Golden Jubilee Workshop, Udaipur (India), 7 - 10 Oct 1996.", 1998BASI...26...A [ADS](#)
- Choudhary, D. P., Ambastha, A., & Ai, G., "Emerging Flux and X-class Flares in NOAA 6555", 1998SoPh...179...133C [ADS](#)
- Ambastha, A., "Probing the Solar Interior: Hearing the Heartbeats of the Sun", 1998Reson...3...18A [ADS](#)
- Debi Prasad, C., Mathew, S. K., Bhatnagar, A., & Ambastha, A., "Solar Photospheric and Chromospheric Observations using a Lithium Niobate Fabry-Perot ETALON", 1998ExA...8...125D [ADS](#)
- Srivastava, N. & Ambastha, A., "Dynamics of Helically Twisted Prominence of January 22, 1979", 1998Ap&SS...262...29S [ADS](#)
- Ambastha, A., "The Role of Magnetic Shear and New Emerging Fluxes in Producing Large Solar Flares", 1998ASPC...140...113A [ADS](#)
- Debi Prasad, C., Ambastha, A., Srivastava, N., Tripathy, S. C., & Hagyard, M. J., "Chromospheric Evolution and the Flare Activity of Super-Active Region NOAA 6555", 1997JApA...18...39D [ADS](#)
- Tripathy, S. C., Antia, H. M., Hill, F., & Ambastha, A., "Seismic investigation of the solar structure using GONG frequencies", 1997astro.ph...3179T [ADS](#)
- Prasad C., D. & Ambastha, A. K., "No signature of circum-solar dust ring up to 5 R_{sun} from optical polarization and near IR observations of 24 October 1995 total solar eclipse.", 1997KodOB...13...17P [ADS](#)
- Ambastha, A. & Prasad, C. D., "The Role of Magnetic Shear and New Emerging Fluxes in Producing Large Solar Flares in NOAA AR 6555", 1997IAUJD...19E...11A [ADS](#)
- Ambastha, A., Fontenla, J. M., & Hagyard, M. J., "Electric Currents and Magnetic Shear Variations during Some Flares of M- and X-Class", 1996mpsa.conf...533A [ADS](#)
- Ambastha, A., Mona, H. J., & West, E. A., "A large flare in an area of weak magnetic field and low shear: a counter - example!", 1995BASI...23...428A [ADS](#)
- Debi Prasad, C., Srivastava, N., Tripathy, S. C., & Ambastha, A., "Chromospheric, photospheric, magnetic field evolution and flare activity of the super active region NOAA 6555", 1995BASI...23...427D [ADS](#)
- Fontenla, J. M., Ambastha, A., Kalman, B., & Csepura, G., "The Magnetic Evolution of AR 6555 Which LED to Two Impulsive, Relatively Compact, X-Type Flares", 1995ApJ...440...894F [ADS](#)
- Ambastha, A., Hagyard, M. J., & West, E. A., "Evolutionary and flare-associated magnetic shear variations observed in a complex, flare-productive active region", 1993SoPh...148...277A [ADS](#)
- Ambastha, A., Hagyard, M. J., & West, E. A., "Evolution and Flare-Associated Magnetic Shear Variation in Solar Active Regions", 1993BAAS...25R1189A [ADS](#)
- Hagyard, M. J., West, E. A., Smith, J. E., Ambastha, A., & Kenny, E. G., "A Study of Photospheric Magnetic Fields Associated with the June 1991 Active Region", 1993BAAS...25Q1190H [ADS](#)
- Ambastha, A., "Stability of Self-Gravitating Finite Disks", 1993icpc.proc...151A [ADS](#)
- Bhatnagar, A., Ambastha, A., & Srivastava, N., "Filament Eruptions Flaring Arches and Eruptive Flares", in Z. Svestka, B. V. Jackson, and M. E. Machado (Eds.), IAU Colloq. 133: Eruptive Solar Flares, Vol. 399, 59 1992LNP...399...59B [ADS](#)
- Ambastha, A., Bhatnagar, A., Srivastava, N., et al., "Results of GONG site survey program at the Udaipur Solar Observatory.", 1991BASI...19...211A [ADS](#)
- Srivastava, N., Ambastha, A., & Bhatnagar, A., "Helically twisted prominence eruption event of 1979 March 11.", 1991BASI...19...208S [ADS](#)
- Ambastha, A., "The large two-ribbon flare of 1990 March 28.", 1991BASI...19...208A [ADS](#)
- Ambastha, A., Bhatnagar, A., Jain, R., et al., "GONG site evaluation program at Udaipur Solar Observatory", 1991BASI...19...215A [ADS](#)
- Srivastava, N., Ambastha, A., & Bhatnagar, A., "Evolution of helically twisted prominence structures of March 11, 1979", 1991SoPh...133...339S [ADS](#)
- Bhatnagar, A., Ambastha, A., Jain, R. M., & Srivastava, N., "On impulsive and gradual optical solar flares.", 1989sasf.confP.207B [ADS](#)
- , "Proceedings of the Indo-US Workshop on Interplanetary Scintillations and Solar Activity", 1988issa.conf...B [ADS](#)
- Hill, F., Ambastha, A., Ball, W., et al., "The GONG site survey.", 1988ESASP.286...209H [ADS](#)
- Ambastha, A. & Bhatnagar, A., "Sunspot proper motions in active region NOAA 2372 and its flare activity during SMY period of 1980 April 4-13", 1988JApA...9...137A [ADS](#)
- Ambastha, A., "Umbral solar flares.", 1988BASI...16...84A [ADS](#)
- Ambastha, A., "Reduction of photoheliograms by IMB-PC controlled digitizer.", 1988KodOB...9...201A [ADS](#)
- Ambastha, A. & Bhatnagar, A., "Sunspot Motion in NOAA:2372 and Associated Flare Activity during Solar Maximum Year Period 1980APR4-13", 1987BASI...15...19A [ADS](#)
- Ambastha, A. & Bhatnagar, A.: 1985, Photographic atlas of the solar chromosphere 1985pasc.book...A [ADS](#)
- Ambastha, A., "Stability of a finite disc under the influence of a spherical halo", 1984JApA...5...285A [ADS](#)
- Ambastha, A. & Varma, R. K., "On the global density waves in self-gravitating flat disks", 1983ApJ...264...413A [ADS](#)
- Ambastha, A. & Varma, R. K., "Global stability of disk-bulge systems - Spiral structure of disk galaxies", 1982JApA...3...125A [ADS](#)
- Ambastha, A. & Varma, R. K., "Global density waves in self gravitating flat disks.", 1982BASI...10...40A [ADS](#)
- Ambastha, A. & Varma, R. K., "Global spiral waves in disk-bulge systems.", 1982BASI...10...39A [ADS](#)
- Ambastha, A. & Mohan, M.: 1982, Black Holes and Astrophysics: Compilation of Vikram Sarabhai Memorial Lectures of Prof. S. Chandrasekhar 1982bhac.book...A [ADS](#)
- Ambastha, A.: 1981, "A Study on the Dynamics of Gravitational Systems", Ph.D. thesis, Gujarat University, India 1981PhDT...95A [ADS](#)
- , "Astrophysical Problems-A dynamical Approach: Compilation of Lectures of Prof. I.P. Williams", 1981apda.conf...A [ADS](#)
- Ambastha, A. & Verma, R. K., "Global spiral density waves in disk galaxies.", 1981BASI...9...80A [ADS](#)
- , "Plasma Physics and Astrophysics: Compilation of Lectures of Prof. D. ter Haar", 1978ppa.conf...M [ADS](#)
- Ambastha, A. & Varma, R. K., "Accretion-Induced Overstability of Density Waves in a Self-Gravitating Disk", 1978Ap&SS...55...459A [ADS](#)
- Ambastha, A.: 1977, Gravitational Kinetic Theory : Compilation of Lectures of Prof. George Severne), Gravitational Kinetic Theory : Compilation of Lectures of Prof. George Severne), Publication of the Physical Research Laboratory, Ahmedabad, India, 1977 1977gkt..rept...A [ADS](#)