

Chandrayaan-1

1. **Bhardwaj, Anil, Dhanya, MB, Alok, Abhinaw, Barabash, Stas, Wieser, Martin, Futaana, Yoshifumi, Wurz, Peter, Vorburger, Audrey, Holmström, Mats, Lue, Charles, Harada, Yuki and Asamura, Kazushi:** A new view on the solar wind interaction with the Moon, **Geoscience Letters, Vol.2, December 2015.**
2. **Bhattacharya, Satadru, Lal, Disha, Chauhan, Mamta, Chauhan, Prakash, Ajai and Kiran Kumar, AS:** Detection of hydroxyl-bearing exposures of possible magmatic origin on the central peak of crater Theophilus using Chandrayaan-1 Moon Mineralogy Mapper (M3) data, **ICARUS, Vol.260, pp.167-173, 1 November 2015.**
3. **Arivazhagan, S:** Quantitative Characterization of Lunar Mare Orientale Basalts Detected by Moon Mineralogical Mapper on Chandrayaan-1, *In "Planetary Exploration and Science: Recent Results and Advances", Berlin: Springer, October 2015, pp.21-43.*
4. **Baker, David MH and Head, James W:** Constraints on the depths of origin of peak rings on the Moon from Moon Mineralogy Mapper data, **ICARUS, Vol.258, pp.164-180, 15 September 2015.**
5. **Vorburger, A, Wurz, P, Barabash, S, Wieser, M, Futaana, Y, Bhardwaj, A and Asamura, K:** Imaging the South Pole-Aitken basin in backscattered neutral hydrogen atoms, **Planetary and Space Science, Vol.115, pp.57-63, September 2015.**
6. **Calla, Om Prakash Narayan, Mathur, Shubhra, Jangid, Monika and Gadri, Kishan Lal:** Circular Polarization Characteristics of South Polar Lunar Craters using Chandrayaan-1 Mini-SAR and LRO Mini-RF, **Earth Moon and Planets, Vol.115, Nos.1-4, pp.83-100, July 2015.**
7. **Mukherjee, Saumitra and Singh, Priyadarshini:** Identification of tectonic deformations on the south polar surface of the moon, **Planetary and Space Science, Vol.112, pp.46-52, July 2015.**
8. **Dhingra, Deepak, Pieters, Carle M and Head, James W:** Multiple origins for olivine at Copernicus crater, **Earth and Planetary Science Letters, Vol.420, pp.95-101, 15 June 2015.**
9. **Calla, OPN, Mathur, Shubhra, Jangid, Monika and Gadri, Kishan Lal:** Analyzing Derived Stoke's Parameter with Respect to Water Ice Detection, **International Journal of Research and Current Development, Vol.1, No.2, pp.53-59, June 2015.**
10. **Sridharan, R, Ahmed, SM, Das, Tirtha Pratim, Sreelatha, P, Kumar, Pradeep**

- P, Naik, Neha and Supriya, Gokulapati:** The Sunlit lunar atmosphere: A Comprehensive study by CHACE on the Moon Impact Probe of Chandrayaan-1, **Planetary and Space Science, Vol.111, pp.167-168, June 2015.**
11. **Kaur, Prabhjot, Chauhan, Prakash, Rajawat, AS and Kiran Kumar, AS:** Study of olivine-rich dark halo crater - Beaumont L in Mare Nectaris using high resolution remote sensing data, **Planetary and Space Science, Vol.109, pp.92-105, May 2015.**
 12. **California, E:** Influence of the lunar ambience on dynamic surface hydration on sunlit regions of the Moon, **Advances in Space Research, Vol.55, No.6, pp.1705-1709, 15 March 2015.**
 13. **Senthil Kumar, A, Keerthi, V, Dadhwal, VK and Kiran Kumar, AS:** Algorithms to improve spectral discrimination from Indian hyperspectral sensors data, **Current Science, Vol.108, No.5, pp.842-847, 10 March 2015.**
 14. **Chauhan, Prakash, Kaur, Prabhjot, Srivastava, N, Sinha, Rishitosh K, Jain, Nirmala and Murty, SVS:** Hyperspectral remote sensing of planetary surfaces: an insight into composition of inner planets and small bodies in the solar system, **Current Science, Vol.108, No.5, pp.915-924, 10 March 2015.**
 15. **Kumar, Vivek and Mazumdar, Himanshu S:** Automatic Registration, Integration and Enhancement of India's Chandrayaan-1 Images with NASA's LRO Maps, **International Journal of Research in Engineering and Technology, Vol.04, No.03, pp.614-623, March 2015.**
 16. **Thampi, Smitha V, Sridharan, R, Das, Tirtha Pratim, Ahmed, SM, Kamalakar, JA and Bhardwaj, Anil:** The spatial distribution of molecular Hydrogen in the lunar atmosphere-New results, **Planetary and Space Science, Vol.106, pp.142-147, February 2015.**
 17. **Mukherjee, Saumitra and Singh, Priyadarshini:** Application of $m-\chi$ (chi) Decomposition Technique on Mini-SAR Data to Understand Crater and Ejecta Morphology, **IEEE Geoscience and Remote Sensing Letters, Vol.12, No.1, pp. 73-76, January 2015.**
 18. **Mishra, Pooja, Kumar, Shailesh and Dharmendra, Singh:** An Approach for Finding Possible Presence of Water Ice Deposits on Lunar Craters Using MiniSAR Data, **IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, Vol.8, No.1, pp.30-38, January 2015.**
 19. **Bhandari, Narendra and Srivastava, Neeraj:** Active moon: evidences from Chandrayaan-1 and the proposed Indian missions, **Geoscience Letters, Vol.1, No.11, December 2014.**

20. **Thiessen, F, Besse, S, Staid, MI and Hiesinger, H:** Mapping lunar mare basalt units in mare Imbrium as observed with the Moon Mineralogy Mapper (M-3), **Planetary and Space Science, Vol.104, pp.244-252, December 2014.**
21. **Athiray, PS, Narendranath, S, Sreekumar, P and Grande, M:** C1XS results-First measurement of enhanced sodium on the lunar surface, **Planetary and Space Science, Vol.104, pp.279-287, December 2014.**
22. **Mall, U, Woehler, C, Grumpe, A, Bugiolacchi, R and Bhatt, M:** Characterization of lunar soils through spectral features extraction in the NIR, **Advances in Space Research, Vol.54, No.10, pp.2029-2040, 15 November 2014.**
23. **Saran, Sriram, Das, Anup, Mohan, Shiv and Chakraborty, Manab:** Synergetic use of SAR and Thermal Infrared data to study the physical properties of the lunar surface, **Advances in Space Research, Vol.54, No.10, pp.2101-2113, 15 November 2014.**
24. **Vadawale, SV, Sreekumar, P, Acharya, YB, Shanmugam, M, Banerjee, D, Goswami, JN, Bhandari, N, Umaphathy, CN, Sharma, MR, Tyagi, A, Bug, M, Sudhakar, M and Abraham, L:** Hard X-ray continuum from lunar surface: Results from High Energy X-ray spectrometer (HEX) onboard Chandrayaan-1, **Advances in Space Research, Vol.54, No.10, pp.2041-2048, 15 November 2014.**
25. **Sruthi, U and Senthil Kumar, P:** Volcanism on farside of the Moon: New evidence from Antoniadi in South Pole Aitken basin, **ICARUS, Vol.242, pp.249-267, 1 November 2014.**
26. **Gross, Juliane, Isaacson, Peter J, Treiman, Allan H, Le, Loan and Gorman, Julia K:** Spinel-rich lithologies in the lunar highland crust: Linking lunar samples with crystallization experiments and remote sensing, **American Mineralogist, Vol.99, No.10, pp.1849-1859, October 2014.**
27. **Pieters, Carle M, Hanna, Kerri Donaldson, Cheek, Leah, Dhingra, Deepak, Prissel, Tabb, Jackson, Colin, Moriarty, Daniel, Parman, Stephen and Taylor, Lawrence A:** The distribution of Mg-spinel across the Moon and constraints on crustal origin, **American Mineralogist, Vol.99, No.10, pp.1893-1910, October 2014.**
28. **Mohammad, Aasim and Bahuguna, I:** **Depth-diameter ratios of lunar craters from chandrayaan-1 TMC images and DEM and its significance,** **International Journal of Geomatics and Geosciences, Vol.4, No.4, pp.680-688, October 2014.**
29. **Gupta, RP, Srivastava, N and Tiwari, RK:** Evidences of relatively new

volcanic flows on the Moon, *Current Science*, Vol.107, No.3, pp.454-460, 10 August 2014.

30. **Varatharajan, Indhu, Srivastava, Neeraj and Murty, SVS:** Mineralogy of young lunar mare basalts: Assessment of temporal and spatial heterogeneity using M-3 data from Chandrayaan-1, *ICARUS*, Vol.236, pp.56-71, 1 July 2014.
31. **Lue, Charles, Futaana, Yoshifumi, Barabash, Stas, Wieser, Martin, Bhardwaj, Anil and Wurz, Peter:** Chandrayaan-1 observations of backscattered solar wind protons from the lunar regolith: Dependence on the solar wind speed, *Journal of Geophysical Research-Planets*, Vol.119, No.5, pp.968-975, May 2014.
32. **Harada, Yuki, Futaana, Yoshifumi, Barabash, Stas, Wieser, Martin, Wurz, Peter, Bhardwaj, Anil, Asamura, Kazushi, Saito, Yoshifumi, Yokota, Shoichiro, Tsunakawa, Hideo and Machida, Shinobu:** Backscattered energetic neutral atoms from the Moon in the Earth's plasma sheet observed by Chandrayaan-1/Sub-keV Atom Reflecting Analyzer instrument, *Journal of Geophysical Research-Planets*, Vol.119, No.5, pp.3573-3584, May 2014.
33. **Narendranath, S, Sreekumar, P, Alha, L, Sankarasubramanian, K, Huovelin, J and Athiray, PS:** Elemental Abundances in the Solar Corona as Measured by the X-ray Solar Monitor Onboard Chandrayaan-1, *Solar Physics*, Vol.289, No.5, pp.1585-1595, May 2014.
34. **Vorburger, A, Wurz, P, Barabash, S, Wieser, M, Futaana, Y, Holmstrom, M, Bhardwaj, A and Asamura, K:** First direct observation of sputtered lunar oxygen, *Journal of Geophysical Research-Space Physics*, Vol.119, No.2, pp.709-722, February 2014.
35. **Bharti, Rishikesh, Ramakrishnan, D and Singh, KD:** Compositional diversity of near-, far-side transitory zone around Naonobu, Webb and Sinus Successus craters: Inferences from Chandrayaan-1 Moon Mineralogy Mapper (M-3) data, *Journal of Earth System Science*, Vol.123, No.1, pp.233-246, February 2014.
36. **Weider, SZ, Joy, KH, Crawford, IA, Kellett, BJ, Swinyard, BM and Howe, CJ:** Western Oceanus Procellarum as seen by C1XS on Chandrayaan-1, *ICARUS*, Vol.229, pp.254-262, February 2014.
37. **Spudis, Paul D, Martin, Dayl JP and Kramer, Georgiana:** Geology and composition of the Orientale Basin impact melt sheet, *Journal of Geophysical Research-Planets*, Vol.119, No.1, pp.19-29, January 2014.
38. **Sridharan, R, Das, Tirtha Pratim, Ahmed, SM and Bhardwaj, Anil:**

Indicators for localized regions of heavier species in the lunar surface from CHACE on Chandrayaan-1, *Current Science*, Vol.105, No.11, pp.1470-1472, 10 December 2013.

39. **Mohan, Shiv, Saran, Sriram and Das, Anup:** Scattering mechanism-based algorithm for improved mapping of water-ice deposits in the lunar polar regions, *Current Science*, Vol.105, No.11, pp.1579-1587, 10 December 2013.
40. **Athiray, PS, Sudhakar, M, Tiwari, MK, Narendranath, S, Lodha, GS, Deb, SK, Sreekumar, P and Dash, SK:** Experimental validation of XRF inversion code for Chandrayaan-1, *Planetary and Space Science*, Vol.89, pp.183-187, December 2013.
41. **Srivastava, N, Kumar, D and Gupta, RP:** Young viscous flows in the Lowell crater of Orientale basin, Moon: Impact melts or volcanic eruptions?, *Planetary and Space Science*, Vol.87, pp.37-45, October 2013.
42. **Bhattacharya, Satadru, Saran, Sriram, Dagar, Aditya, Chauhan, Prakash, Chauhan, Mamta, Ajai and Kiran Kumar, AS:** Endogenic water on the Moon associated with non-mare silicic volcanism: implications for hydrated lunar interior, *Current Science*, Vol.105, No.5, pp.685-691, 10 September 2013.
43. **Saul, L, Wurz, P, Vorburger, A, Rodríguez, MDF, Fuselier, SA, McComas, DJ, Möbius, E, Barabash, S, Funsten, Herb and Janzen, Paul:** Solar wind reflection from the lunar surface: The view from far and near, *Planetary and Space Science*, Vol.84, pp.1-4, August 2013.
44. **Jin, Shuanggen, Arivazhagan, Sundaram and Araki, Hiroshi:** New results and questions of lunar exploration from SELENE, Chang'E-1, Chandrayaan-1 and LRO/LCROSS, *Advances in Space Research*, Vol.52, No.2, pp.285-305, 15 July 2013.
45. **Vorburger, A, Wurz, P, Barabash, S, Wieser, M, Futaana, Y, Lue, C, Holmström, M, Bhardwaj, A, Dhanya, MB and Asamura, K:** Energetic neutral atom imaging of the lunar surface, *Journal of Geophysical Research: Space Physics*, Volume 118, No.7, pp. 3937-3945, July 2013.
46. **Dhanya, MB, Bhardwaj, A, Futaana, Y, Fatemi, S, Holmstrom, M, Barabash, S, Wieser, M, Wurz, P, Alok, A and Thampi, RS:** Proton entry into the near-lunar plasma wake for magnetic field aligned flow, *Geophysical Research Letters*, Vol.40, No.12, pp.2913-2917, 28 June 2013.
47. **Kaydash, Vadym, Pieters, Carle, Shkuratov, Yuriy and Korokhin, Viktor:** Lunar opposition effect as inferred from Chandrayaan-1 M-3 data, *Journal of Geophysical Research-Planets*, Vol.108, No.6, pp.1221-1232, June 2013.

48. Radhadevi, PV , Solanki, SS , Nagasubramanian, V, Reddy, Sudheer D, Sumanth, T, Krishna, Saibaba J and Varadan, Geeta: An algorithm for geometric correction of full pass TMC imagery of Chandrayaan-1, **Planetary and Space Science**, Vol.79-80, pp.45-51, May 2013.
49. Dhingra, Deepak, Pieters, Carle M, Head, James W and Isaacson, Peter J: Large mineralogically distinct impact melt feature at Copernicus crater - Evidence for retention of compositional heterogeneity, **Geophysical Research Letters**, Vol.40, No.6, pp.1043-1048, 28 March 2013.
50. Isaacson, Peter J, Petro, Noah E, Pieters, Carle M, Besse, Sebastien, Boardman, Joseph W, Clark, Roger N, Green, Robert O, Lundeen, Sarah, Malaret, Erick, McLaughlin, Stephanie, Sunshine, Jessica M and Taylor, Lawrence A: Development, importance, and effect of a ground truth correction for the Moon Mineralogy Mapper reflectance data set, **Journal of Geophysical Research-Planets**, Vol.118, No.3, pp.369-381, March 2013.
51. Senthil Kumar, P, Keerthi, V, Senthil Kumar, A, Mustard, John, Gopala Krishna, B, Amitabh, Ostrach, Lillian R, Kring, David A, Kiran Kumar, AS and Goswami, JN: Gullies and landslides on the Moon: Evidence for dry-granular flows, **Journal of Geophysical Research-Planets**, Vol.118, No.2, pp.206-223, February 2013.
52. Futaana, Y, Barabash, S, Wieser, M, Lue, C, Wurz, P, Vorburget, A, Bhardwaj, A and Asamura, K: Remote energetic neutral atom imaging of electric potential over a lunar magnetic anomaly, **Geophysical Research Letters**, Vol.40, No.2, pp.262-266, 28 January 2013.
53. Sridharan, R, Das, Tirtha Pratim, Ahmed, SM, Supriya, Gogulapati, Bhardwaj, Anil and Kamalakar, JA: Spatial heterogeneity in the radiogenic activity of the lunar interior: Inferences from CHACE and LLRI on Chandrayaan-1, **Advances in Space Research**, Vol.51, No.1, pp.168-178, 1 January 2013.
54. Athiray, PS, Narendranath, S, Sreekumar, P, Dash, SK and Babu, BRS: Validation of methodology to derive elemental abundances from X-ray observations on Chandrayaan-1, **Planetary and Space Science**, Vol.75, pp.188-194, January 2013.
55. Besse, S, Sunshine, J, Staid, M, Boardman, J, Pieters, C, Guasqui, P, Malaret, E, McLaughlin, S, Yokota, Y and Li, J. -Y: A visible and near-infrared photometric correction for Moon Mineralogy Mapper (M-3), **ICARUS**, Vol.222, No.1, pp.229-242, January 2013.
56. Kaur, Prabhjot, Bhattacharya, Satadru, Chauhan, Prakash, Ajai and Kiran

- Kumar, AS:** Mineralogy of Mare Serenitatis on the near side of the Moon based on Chandrayaan-1 Moon Mineralogy Mapper (M-3) observations, **ICARUS, Vol.222, No.1, pp.137-148, January 2013.**
57. **Athiray, PS, Narendranath, S, Sreekumar, P, Dash, SK and Babu, BRS:** Validation of methodology to derive elemental abundances from X-ray observations on Chandrayaan-1, **Planetary and Space Science, Vol.75, pp.188-194, January 2013.**
 58. **Sivakumar, V, Kumar, Binay, Srivastava, Sandeep Kumar, Gopala Krishna, B, Srivastava, Pradeep Kumar and Kiran Kumar, AS:** DEM Generation for Lunar Surface using Chandrayaan-1 TMC Triplet Data, **Photonirvachak: Journal of the Indian Society of Remote Sensing, Vol.40, No.4, pp.551-564, December 2012.**
 59. **Sudhakar, Manju and Sreekumar, P:** Design optimization and background modeling of the HEX experiment on Chandrayaan-1, **Experimental Astronomy, Vol.34, No.3, pp.653-668, November 2012.**
 60. **Saran, Sriram, Das, Anup, Mohan, Shiv and Chakraborty, Manab:** Study Of Scattering Characteristics Of Lunar Equatorial Region Using Chandrayaan-1 Mini-SAR Polarimetric Data, **Planetary and Space Science, Vol.71, No.1, pp.18-30, October 2012.**
 61. **Gow, Jason PD, Holland, Andrew D, Pool, Peter J, Smith, David R:** The Effect Of Protons On The Performance Of Second Generation Swept Charge Devices, **Nuclear Instruments & Methods In Physics Research Section A-Accelerators Spectrometers Detectors And Associated Equipment, Vol.680, pp.86-89, 11 July 2012.**
 62. **Chauhan, Prakash, Bhattacharya, Satadru, Ajai:** Discovery Of Orthopyroxene-Olivine-Spinel Assemblage From The Lunar Nearside Using Chandrayaan-1 Moon Mineralogy Mapper Data, **Current Science, Vol.103, No.1, pp.21-23, 10 July 2012.**
 63. **Vorburger, A, Wurz, P, Barabash, S, Wieser, M, Futaana, Y, Holmström, M, Bhardwaj, A and Asamura, K:** Energetic Neutral Atom Observations Of Magnetic Anomalies On The Lunar Surface, **Journal of Geophysical Research, Vol.117, No.A7, July 2012.**
 64. **Kusuma, KN, Sebastian, N, Murty, SVS:** Geochemical and Mineralogical Analysis of Gruithuisen Region on Moon Using M3 and Diviner Images, **Planetary and Space Science, Vol.67, No.1, pp.46-56, July 2012.**
 65. **Lal, Disha, Chauhan, Prakash, Shah, RD and Ajai:** FeO And TiO₂

Abundance Analysis Around Apollo-17 Landing Site Using Reflectance Spectra From The HySI Sensor On-Board Chandrayaan-1, **Current Science**, Vol.102, No.11, pp.1560-1564, 10 June 2012.

66. Lal, Disha, Chauhan, Prakash, Shah, RD, Bhattacharya, S, Ajai and Kiran Kumar, AS: Detection Of Mg Spinel Lithologies On Central Peak Of Crater Theophilus Using Moon Mineralogy Mapper (M³) Data From Chandrayaan-1, **Journal of Earth System Science**, Vol.121, No.3, pp.847-853, June 2012.
67. Futaana, Y, Barabash, S, Wieser, M, Holmstrom, M, Lue, C, Wurz, P, Schaufelberger, A, Bhardwaj, A, Dhanya, MB and Asamura, K: Empirical Energy Spectra Of Neutralized Solar Wind Protons From The Lunar Regolith, **Journal of Geophysical Research-Planets**, Vol.117, 16 May 2012.
68. Chauhan, Prakash, Kaur, Prabhjot, Srivastava, Neeraj, Bhattacharya, Satadru, Ajai, Kiran Kumar, AS and Goswami, JN: Compositional And Morphological Analysis Of High Resolution Remote Sensing Data Over Central Peak Of Tycho Crater On The Moon: Implications For Understanding Lunar Interior, **Current Science**, Vol.102, No.7, pp.1041-1046, April 10 2012.
69. Arya, AS, Rajasekhar, RP, Thangjam, Guneshwar, Gujrati, Ashwin, Amitabh, Trivedi, Sunanda, Gopala Krishna, B, Ajai and Kiran Kumar, AS: Lunar Surface Age Determination Using Chandrayaan-1 TMC Data, **Current Science**, Vol.102, No.5, pp.783-788, 10 March 2012.
70. Umadevi, K, Ananth Krishna, Pandiyan R and Gopinath, NS, An Information System Suite for Chandrayaan-1 by Adapting Spice Kernels, **Journal of Spacecraft Technology**, Vol. 22, No.1, pp. 25-32, January 2012.
71. Solaiappan, A, Kannan, S and Pandiyan, R: Mounting of Star Sensors Satisfying Constraints for Chandrayaan-1 Lunar Mission - Design and Realization, **Journal of Spacecraft Technology**, Vol.22, No.1, pp. 49-56, January 2012.
72. Weider, SZ, Kellett, BJ, Swinyard, BM, Crawford, IA, Joy, KH, Grande, M, Howe, CJ, Huvelin, J, Narendranath, S, Alha, L, Anand, M, Athiray, PS, Bhandari, N, Carter, JA, Cook, AC, d'Uston, LC, Fernandes, VA, Gasnault, O, Goswami, JN, Gow, JPD, Holland, AD, Koschny, D, Lawrence, DJ, Maddison, BJ, Maurice, S, McKay, DJ, Okada, T, Pieters, C, Rothery, DA, Russell, SS, Shrivastava, A, Smith, DR, Wicczorek, M: The Chandrayaan-1 X-ray Spectrometer: First results, **Planetary and Space Science**, Vol.60, No.1, pp.217-228, January 2012.
73. Bhardwaj, A, Dhanya, MB, Sridharan, R, Barabash, S, Yoshifumi, F, Wieser, M, Holmstrom, M, Lue, C, Wurz, P, Schaufelberger, A and Asamura, K: Interaction Of Solar Wind With Moon: An Overview On The Results From The Sara Experiment Aboard Chandrayaan-1, **Advances In Geosciences**, Vol

- 30: Planetary Science (PS) and Solar & Terrestrial Science (ST), pp.35-55, 2012.
74. **Schaufelberger, A, Wurz, P, Barabash, S, Wieser, M, Futaana, Y, Holmstrom, M, Bhardwaj, A, Dhanya, MB, Sridharan, R and Asamura, K:** Scattering Function For Energetic Neutral Hydrogen Atoms Off The Lunar Surface, *Geophysical Research Letters*, Vol.38, No.22, November 2011.
 75. **Green, RO, Pieters, C, Mouroulis, P, Eastwood, M, Boardman, J, Glavich, T, Isaacson, P, Annadurai, M, Besse, S, Barr, D, Buratti, B, Cate, D, Chatterjee, A, Clark, R, Cheek, L, Combe, J, Dhingra, D, Essandoh, V, Geier, S, Goswami, JN, Green, R, Haemmerle, V, Head, J, Hovland, L, Hyman, S, Klima, R, Koch, T, Kramer, G, Kiran Kumar, AS, Lee, K, Lundeen, S, Malaret, E, McCord, T, McLaughlin, S, Mustard, J, Nettles, J, Petro, N, Plourde, K, Racho, C, Rodriguez, J, Runyon, C, Sellar, G, Smith, C, Sobel, H, Staid, M, Sunshine, J, Taylor, L, Thaisen, K, Tompkins, S, Tseng, H, Vane, G, Varanasi, P, White, M and Wilson, D:** The Moon Mineralogy Mapper (M³) Imaging Spectrometer For Lunar Science: Instrument Description, Calibration, On-Orbit Measurements, Science Data Calibration And On-Orbit Validation, *Journal of Geophysical Research-Planets*, Vol.116, No.E10, October 2011.
 76. **Gross, Juliane and Treiman, Allan H:** Unique Spinel-Rich Lithology In Lunar Meteorite ALHA 81005: Origin And Possible Connection To M-3 Observations Of The Farside Highlands, *Journal of Geophysical Research-Planets*, Vol.116, No.E10, October 2011.
 77. **Weider, Shoshana Z, Swinyard, Bruce M, Kellett, Barry J, Howe, Chris J, Joy, Katherine H, Crawford, Ian A, Gow, Jason and Smith and David R:** Planetary X-ray fluorescence analogue laboratory experiments and an elemental abundance algorithm for C1XS, *Planetary and Space Science*, Vol.59, No.13, pp.1393-1407, October 2011.
 78. **Dachev, TP, Tomov, BT, Matviichuk, Yu N, Dimitrov, PS, Vadawale, SV, Goswami, JN, De Angelis, G and Girish, V:** An overview of RADOM results for earth and moon radiation environment on Chandrayaan-1 satellite, *Advances in Space Research*, Vol.48, No.5, pp.779-791, September 1 2011.
 79. **Nettles, JW, Staid, M, Besse, S, Boardman, J, Clark, RN, Dhingra, D, Isaacson, P, Klima, R, Kramer, G, Pieters, CM and Taylor, LA:** Optical maturity variation in lunar spectra as measured by Moon Mineralogy Mapper data, *Journal of Geophysical Research-Planets*, Vol.116, No.E9, September 2011.
 80. **Mohan, Shiv, Das, Anup and Chakraborty, Manab:** Studies of polarimetric

properties of lunar surface using Mini-SAR data, *Current Science*, Vol.101, No.2, pp.159-164, 25 July 2011.

81. **Bhaskar, KVS, Kamalakar, JA, Laxmiprasad, AS, Sridhar Raja, VLN, Adwaita Goswami, Ravi Kumar, K and Kalyani, K:** Lunar topography by laser ranging instrument onboard Chandrayaan-1, *Advances in Geoscience*, Vol.25: Planetary Science, pp.73, July 2011.
82. **Narendranath, S, Athiray, PS, Sreekumar, P, Kellett, BJ, Alha, L, Howe, CJ, Joy, KH, Grande, M, Huovelin, J, Crawford, IA, Unnikrishnan, U, Lalita, S, Subramaniam, S, Weider, SZ, Nittler, LR, Gasnault, O, Rothery, D, Fernandes, VA, Bhandari, N, Goswami, JN, Wieczorek, MA and C1XS Team:** Lunar X-ray fluorescence observations by the Chandrayaan-1 X-ray Spectrometer (C1XS): Results from the nearside southern highlands, *ICARUS*, Vol.214, No.1, pp.53-66, July 2011.
83. **Senthil Kumar, P, Senthil Kumar, A, Keerthi, V, Goswami, JN, Gopala Krishna, B and Kiran Kumar, AS:** Chandrayaan-1 observation of distant secondary craters of Copernicus exhibiting central mound morphology: Evidence for low velocity clustered impacts on the Moon, *Planetary and Space Science*, Vol.59, No.9, pp.870-879, July 2011.
84. **Dhingra, D, Pieters, CM, Boardman, JW, Head, JW, Isaacson, PJ and Taylor, LA:** Compositional diversity at Theophilus Crater: Understanding the geological context of Mg-spinel bearing central peaks, *Geophysical Research Letters*, Vol.38, No.11, June 2011.
85. **Boardman, Joseph W, Pieters, CM, Green, RO, Lundeen, SR, Varanasi, P, Nettles, J, Petro, N, Isaacson, P, Besse, S and Taylor, LA:** Measuring moonlight: An overview of the spatial properties, lunar coverage, selenolocation, and related Level 1B products of the Moon Mineralogy Mapper, *Journal of Geophysical Research-Planets*, Vol.116, No.E6, June 2011.
86. **Rodriguez, Jose I, Tseng, Howard, Varanasi, Padma and Zhang, Burt:** On-Orbit Performance of the Moon Mineralogy Mapper Instrument, *SAE International Journal of Aerospace*, Vol. 4, No.1 188-200, June 2011.
87. **Mustard, John F, Pieters, Carle M, Isaacson, Peter J, Head, James W, Besse, Sebastien, Clark, Roger N, Klima, Rachel L, Petro, Noah E, Staid, Matthew I, Sunshine, Jessica M, Runyon, Cassandra J, Tompkins, Stefanie:** Compositional diversity and geologic insights of the Aristarchus crater from Moon Mineralogy Mapper data, *Journal of Geophysical Research-Planets*, Vol.116, No. E6, June 2011.
88. **Isaacson, Peter J, Pieters, Carle M, Besse, Sebastien, Clark, Roger N, Head, James W, Klima, Rachel L, Mustard, John F, Petro, Noah E, Staid, Matthew**

- I, Sunshine, Jessica M, Taylor, Lawrence A, Thaisen, Kevin G, Tompkins, S: Remote compositional analysis of lunar olivine-rich lithologies with Moon Mineralogy Mapper (M-3) spectra, **Journal of Geophysical Research-Planets**, Vol.116, No.E6, June 2011.
89. Thaisen, Kevin G, Head, James W, Taylor, Lawrence A, Kramer, Georgiana Y, Isaacson, Peter, Nettles, Jeff, Petro, Noah and Pieters, Carle M: Geology of the Moscoviense Basin, **Journal of Geophysical Research-Planets**, Vol.116, No.E6, June 2011.
 90. Cheek, LC, Pieters, CM, Boardman, JW, Clark, RN, Combe, JP, Head, JW, Isaacson, PJ, McCord, TB, Moriarty, D, Nettles, JW, Petro, NE, Sunshine, JM and Taylor, LA: Goldschmidt crater and the Moon's North Polar Region: Results from the Moon Mineralogy Mapper (M-3), **Journal of Geophysical Research-Planets**, Vol.116, No.E6, June 2011.
 91. Staid, MI, Pieters, CM, Besse, S, Boardman, J, Dhingra, D, Green, R, Head, JW, Isaacson, P, Klima, R, Kramer, G, Mustard, JM, Runyon, C, Sunshine, J and Taylor, LA: The mineralogy of late-stage lunar volcanism as observed by the Moon Mineralogy Mapper on Chandrayaan-1, **Journal of Geophysical Research-Planets**, Vol.116, No.E6, June 2011.
 92. Pieters, CM, Besse, S, Boardman, J, Buratti, B, Cheek, R, Clark, RN, Combe, JP, Dhingra, D, Goswami, JN, Green, R, O, Head, JW, Isaacson, P, Klima, R, Kramer, G, Lundeen, S, Malaret, E, McCord, T, Mustard, J, Nettles, J, Petro, N, Runyon, C, Staid, M, Sunshine, J, Taylor, LA, Thaisen, K, Tompkins, S and Whitten, J: Mg-spinel lithology: A new rock type on the lunar farside, **Journal of Geophysical Research-Planets**, Vol.116, No.E6, June 2011.
 93. Kramer, Georgiana Y, Besse, Sebastien, Nettles, Jeffrey, Combe, Jean - Philippe, Clark, Roger N, Pieters, Carlé M, Staid, Matthew, Malaret, Erik, Boardman, Joseph, Green, Robert O, Head III, James W and McCord, Thomas B: Newer views of the Moon: Comparing spectra from Clementine and the Moon Mineralogy Mapper, **Journal of Geophysical Research-Planets**, Vol.116, No.E6, June 2011.
 94. Whitten, Jennifer, Head, James W, Staid, Matthew, Pieters, Carle M, Mustard, John, Clark, Roger, Nettles, Jeff, Klima, Rachel L and Taylor, Larry: Lunar mare deposits associated with the Orientale impact basin: New insights into mineralogy, history, mode of emplacement, and relation to Orientale Basin evolution from Moon Mineralogy Mapper (M-3) data from Chandrayaan-1, **Journal of Geophysical Research-Planets**, Vol.116, No.E6, June 2011.
 95. Bhattacharya, Satadru, Chauhan, Prakash, Rajawat, AS, Ajai and Kiran Kumar, AS: Lithological mapping of central part of Mare Moscoviense using Chandrayaan-1 Hyperspectral Imager (HySI) data, **ICARUS**, Vol.212, No.2,

pp.470-479, April 2011.

96. **Fa, Wenzhe, Wieczorek, Mark A and Heggy, Essam:** Modeling polarimetric radar scattering from the lunar surface: Study on the effect of physical properties of the regolith layer, **Journal of Geophysical Research-Planets, Vol.116, No.E3, March 2011.**
97. **Arya, AS, Rajasekhar, RP, Thangjam, Guneshwar, Ajai and Kiran Kumar, AS:** Detection of potential site for future human habitability on the Moon using Chandrayaan-1 data, **Current Science, Vol.100, No.4, pp.524-529, 25 February 2011.**
98. **Lue, Charles, Futaana, Yoshifumi, Barabash, Stas, Wieser, Martin, Holmstrom, Mats, Bhardwaj, Anil, Dhanya, MB and Wurz, Peter:** Strong influence of lunar crustal fields on the solar wind flow, **Geophysical Research Letters, Vol.38, No.3, February 2011.**
99. **Thompson, Thomas W, Ustinov, Eugene A and Heggy, Essam:** Modeling radar scattering from icy lunar regoliths at 13 cm and 4 cm wavelengths, **Journal of Geophysical Research-Planets, Vol.116, No.E1, January 2011.**
100. **Singh, Deepak, Srivastava, VK, Bhatt, Jignesh and Bhattacharya, Satadru:** Mineralogical Mapping of Lunar Orbits of Chandrayaan-1 Mission using Hyper Spectral Imaging Camera (HySI) and Terrain Mapping Camera (TMC) Data, **Photogrammetric Engineering And Remote Sensing, Vol.77, No.1, pp.6-10, January 2011**
101. **Cahill, JTS, Lucey, PG, Stockstill-Cahill, KR and Hawke, BR:** Radiative transfer modeling of near-infrared reflectance of lunar highland and mare soils, **Journal of Geophysical Research-Planets, Vol.115, No.E12, December 2010.**
102. **Isaacson, Peter J and Pieters, Carle M:** Deconvolution of lunar olivine reflectance spectra: Implications for remote compositional assessment, **ICARUS, Vol.210, No.1, pp.8-13, November 2010.**
103. **Futaana, Y, Barabash, S, Wieser, M, Holmstrom, M, Bhardwaj, A, Dhanya, MB, Sridharan, R, Wurz, P, Schaufelberger, A and Asamura, K:** Protons in the near-lunar wake observed by the Sub-keV Atom Reflection Analyzer on board Chandrayaan-1, **Journal of Geophysical Research-Space Physics, Vol.115, No.A10, October 2010.**
104. **Vighnesam, NV, Sonney, Anatta and Gopinath, NS:** India's first lunar mission Chandrayaan-1 initial phase orbit determination, **Acta Astronautica, Vol.67, No.7-8, pp.784-792, October-November 2010.**

105. **Sridharan, R, Ahmed, SM, Das, Tirtha Pratim, Sreelatha, P, Pradeepkumar, P, Naik, Neha and Supriya, Gogulapati:** The sunlit lunar atmosphere: A comprehensive study by CHACE on the Moon Impact Probe of Chandrayaan-1, *Planetary and Space Science*, Vol.58, No.12, pp.1567-1577, October 2010.
106. **Banerjee, D and Vadawale, S:** Theoretical modelling of X-ray fluorescence signals for different lunar compositions and dependence on solar activity, *Advances in Space Research*, Vol.46, No.5, pp.651-656, 1 September 2010.
107. **Vighnesam, NV, Sonney, Anatta and Subramanian, Boominathan:** Chandrayaan-1 Real-Time Orbit Determination, *Journal of Spacecraft and Rockets*, Vol.47, No.5, pp.857-860, September-October 2010.
108. **Narendranath, S, Sreekumar, P, Maddison, BJ, Howe, CJ, Kellett, BJ, Wallner, M, Erd, C and Weider, SZ:** Calibration of the C1XS instrument on Chandrayaan-1, *Nuclear Instruments & Methods In Physics Research Section A-Accelerators Spectrometers Detectors And Associated Equipment*, Vol.621, No.1-3, pp.344-353, September 2010.
109. **Weider, SZ, Kellett, BJ, Swinyard, B, Crawford, IA, Joy, KH and CIXS Team:** Western Oceanus Procellarum As Seen By C1xs On Chandrayaan-1, *Meteoritics & Planetary Science*, Vol.45, pp.A213-A213, Supplement: S1, July 2010.
110. **Holmstrom, M, Wieser, M, Barabash, S, Futaana, Y and Bhardwaj, A:** Dynamics of solar wind protons reflected by the Moon, *Journal of Geophysical Research-Space Physics*, Vol.115, No.A6, June 2010.
111. **Isaacson, Peter J, Pieters, Carle M, Taylor, Lawrence A and M3 Team:** New lunar discoveries from the Moon Mineralogy Mapper on Chandrayaan-1, *Geochimica Et Cosmochimica Acta*, Vol.74, No.12, pp.A446-A446, Supplement: 1, June 2010.
112. **Sridharan, R, Ahmed, SM, Das, Tirtha Pratim, Sreelatha, P, Pradeepkumar, P, Naik, Neha and Supriya, Gogulapati:** 'Direct' evidence for water (H₂O) in the sunlit lunar ambience from CHACE on MIP of Chandrayaan I, *Planetary and Space Science*, Vol.58, No.6, pp.947-950, May 2010.
113. **Spudis, PD, Bussey, DBJ, Baloga, SM, Butler, BJ, Carl, D, Carter, LM, Chakraborty, M, Elphic, RC, Gillis-Davis, JJ, Goswami, JN, Heggy, E, Hillyard, M, Jensen, R, Kirk, RL, LaVallee, D, McKerracher, P, Neish, CD, Nozette, S, Nylund, S, Palsetia, M, Patterson, W, Robinson, MS, Raney, RK, Schulze, RC, Sequeira, H, Skura, J, Thompson, TW, Thomson, BJ, Ustinov, EA, and Winters, HL:** Initial results for the North Pole of the Moon from Mini-SAR, Chandrayaan-1 mission, *Geophysical Research Letters*, Vol.37, No.6, March 2010.

114. Wieser, Martin, Barabash, Stas, Futaana, Yoshifumi, Holmstrom, Mats, Bhardwaj, Anil, Sridharan, R, Dhanya, MB, Schaufelberger, Audrey, Wurz, Peter and Asamura, Kazushi: First observation of a mini-magnetosphere above a lunar magnetic anomaly using energetic neutral atoms, **Geophysical Research Letters**, Vol.37, No.6, March 2010.
115. Kamalakar, JA, Laxmi Prasad, AS, Bhaskar, KVS, Selvaraj, P, Venkateswarn, R, Sridhar Raja, VLN, Kalyani, K, Goswami, Adwaita and Ravikumar, K: Design, Development And Performance of a Laser Ranging Instrument Onboard Chandrayaan-1, **Journal of Spacecraft Technology**, Vol.20, No.1, pp.13-24, January 2010.
116. Lohar, KA, Ramana Reddy, VV, Viswanatha, N, Laxmi Prasad, AS and Patnaik, MMM: Analytical Model for the Analysis of Onboard Data of Solar Panel Sun Sensor (SPSS): Chandrayaan-1, **Journal of Spacecraft Technology**, Vol.20, No.1, pp.25-33, January 2010.
117. Bhardwaj, Anil, Wieser, Martin, Dhanya, MB, Barabash, Stas, Futaana, Yoshifumi, Holmstrom, Mats, Sridharan, R, Wurz, Peter, Schaufelberger, Audrey and Kazushi, Asamura: The SUB-KEV Atom Reflecting Analyzer (SARA) experiment aboard Chandrayaan-1 mission: instrument and observations, **Advances in Geosciences**, Vol.19, pp. 151-162, 2010.
118. Dachev, TP: Characterization of the near Earth radiation environment by Liulin type spectrometers, **Advances in Space Research**, Vol.44, No.12, pp.1441-1449, 15 December 2009.
119. Wieser, Martin, Barabash, Stas, Futaana, Yoshifumi, Holmstrom, Mats, Bhardwaj, Anil, Sridharan, R, Dhanya, MB, Wurz, Peter, Schaufelberger, Audrey and Asamura, Kazushi: Extremely high reflection of solar wind protons as neutral hydrogen atoms from regolith in space, **Planetary and Space Science**, Vol.57, No.14-15, pp.2132-2134, December 2009.
120. Pieters, CM, Goswami, JN, Clark, RN, Annadurai, M, Boardman, J, Buratti, B, Combe, J-P, Dyar, MD, Green, R, Head, JW, Hibbitts, C, Hicks, M, Isaacson, P, Klima, R, Kramer, G, Kumar, S, Livo, E, Lundeen, S, Malaret, E, McCord, T, Mustard, J, Nettles, J, Petro, N, Runyon, C, Staid, M, Sunshine, J, Taylor, LA, Tompkins, S and Varanasi, P: Character and Spatial Distribution of OH/H₂O on the Surface of the Moon Seen by M-3 on Chandrayaan-1, **Science**, Vol.326, No.5952, pp.568-572, 23 October 2009.
121. Chauhan, Prakash, Ajai and Kiran Kumar, AS: Chandrayaan-1 captures Halo around Apollo-15 landing site using stereoscopic views from Terrain Mapping Camera, **Current Science**, Vol.97, No.5, pp.629-630, September 10 2009.
122. Alha, L, Huovelin, J, Nygard, K, Andersson, H, Esko, E, Howe, C. J, Kellett,

- BJ, Narendranath, S, Maddison, BJ, Crawford, IA, Grande, M and Shreekumar, P: Ground calibration of the Chandrayaan-1 X-ray Solar Monitor (XSM), **Nuclear Instruments & Methods In Physics Research Section A-Accelerators Spectrometers Detectors And Associated Equipment**, Vol.607, No.3, pp.544-553, 21 August 2009.
123. Torheim, Olav, Bronstad, Kjell, Heerlein, Klaus, Mall, Urs, Nathues, Andreas, Nowosielski, Witold, Orleanski, Piotr, Pommeresche, Bjorn, Reimundo, Viviana, Skogseide, Yngve, Solberg, Arne and Ullaland, Kjetil: Development of an Embedded CPU-Based Instrument Control Unit for the SIR-2 Instrument Onboard the Chandrayaan-1 Mission to the Moon, **IEEE Transactions On Geoscience And Remote Sensing**, Vol.47, No.8, pp.2836-2846, August 2009.
 124. Sonney, Anatta, Subramanian, B, Vighnesam, NV and Gopinath, NS: Chandrayaan-1 Launch and Early Orbit Phase Orbit Determination, **Journal of Spacecraft Technology**, Vol.19, No.2, pp.1-11, July 2009.
 125. Banerjee, Arup, Shah, Dhruv, Dubey, Neeraj, Dhola, Hitesh, Mehta, Sanjeev, Narayanababu, P, Samudraiah, DRM and Kiran Kumar, AS: Realization of Area Array Imaging Sensor for Hyper Spectral Camera, **Journal of Spacecraft Technology**, Vol.19, No.2, pp.13-18, July 2009.
 126. Bera, Kuhelika, Mehta, Sanjeev, Prasad, H and Parmar, RM: Chandrayaan-1: Hyper-spectral Imager Camera Electronics, **Journal of Spacecraft Technology**, Vol.19, No.2, pp.35-42, July 2009.
 127. Grande, M, Maddison, BJ, Howe, CJ, Kellett, B. J, Sreekumar, P, Huovelin, J, Crawford, IA, Duston, CL, Smith, D, Anand, M, Bhandari, N, Cook, A, Fernandes, V, Foing, B, Gasnaut, O, Goswami, JN, Holland, A, Joy, KH, Kochney, D, Lawrence, D, Maurice, S, Okada, T, Narendranath, S, Pieters, C, Rothery, D, Russell, SS, Shrivastava, A, Swinyard, B, Wilding, M and Wieczorek, M: The C1XS X-ray Spectrometer on Chandrayaan-1, **Planetary and Space Science**, Vol.57, No.7, pp.717-724, June 2009.
 128. Crawford, IA, Joy, KH, Kellett, BJ, Grande, M, Anand, M, Bhandari, N, Cook, AC, d'Uston, L, Fernandes, VA, Gasnault, O, Goswami, J, Howe, CJ, Huovelin, J, Koschny, D, Lawrence, D. J, Maddison, BJ, Maurice, S, Narendranath, S, Pieters, C, Okada, T, Rothery, DA, Russell, SS, Sreekumar, P, Swinyard, B, Wieczorek, M and Wilding, M: The scientific rationale for the C1XS X-ray spectrometer on India's Chandrayaan-1 mission to the moon , **Planetary and Space Science**, Vol.57, No.7, pp.725-734, June 2009.
 129. Howe, CJ, Drummond, D, Edeson, R, Maddison, B, Parker, DJ, Parker, R, Shrivastava, A, Spencer, J, Kellett, BJ, Grande, M, Sreekumar, P, Huovelin, J, Smith, DR, Gow, J, Narendranath, SKC and d'Uston, L: Chandrayaan-1 X-

ray Spectrometer (C1XS) - Instrument design and technical details, **Planetary and Space Science**, Vol.57, No.7, pp.735-743, June 2009.

130. Crawford, IA, Kellett, BJ, Grande, M, Maddison, BJ, Howe, CJ, Swinyard, B, Joy, KH, Sreekumar, P, Narendranath, S, Huovelin, J and CIXS Sci Team: First results from the C1XS X-ray spectrometer on board Chandrayaan-1, **Geochimica Et Cosmochimica Acta**, Vol.73, No.13, pp.A250-A250, June 2009.
131. Rodriguez, Jose I, Tseng, Howard and Zhang, Burt: Thermal Control System of the Moon Mineralogy Mapper Instrument, **SAE International Journal of Aerospace**, Vol. 1, No. 1 376-387, April 2009.
132. Goswami, JN and Annadurai, M: Chandrayaan-1: India's first planetary science mission to the moon, **Current Science**, Vol.96, No.4, pp.486-491, 25 February 2009.
133. Sreekumar, P, Acharya, Y. B, Umapathy, CN, Sharma, M, Ramakrishna, Shanmugam, Tyagi, A, Kumar, Vadawale, S, Sudhakar, M, Abraham, L, Kulkani, R, Purohit, S, Premlatha, RL, Banerjee, D, Bug, M and Goswami, JN: High Energy X-ray Spectrometer on Chandrayaan-1, **Current Science**, Vol.96, No.4, pp.520-525, 25 February 2009.
134. Kiran Kumar, AS, Chowdhury, Roy A, Banerjee, A, Dave, AB, Sharma, BN, Shah, KJ, Murali, KR, Mehta, S, Joshi, S and Sarkar, SS: Hyper Spectral Imager for lunar mineral mapping in visible and near infrared band, **Current Science**, Vol.96, No.4, pp.496-499, 25 February 2009.
135. Barabash, Stas, Bhardwaj, Anil, Wieser, Martin, Sridharan, R, Kurian, Thomas, Varier, Subha, Vijayakumar, E, Abhirami, Veena, Raghavendra, KV, Mohankumar, SV, Dhanya, MB, Thampi, Satheesh, Kazushi, Asamura, Andersson, Herman, Futaana, Yoshifumi, Holmstroem, Mats, Lundin, Rickard, Svensson, Johan, Karlsson, Stefan, Piazza, R Daniele and Wurzel, Peter: Investigation of the solar wind-Moon interaction onboard Chandrayaan-1 mission with the SARA experiment, **Current Science**, Vol.96, No.4, pp.526-532, 25 February 2009.
136. Kamalakar, JA, Laxmi Prasad, AS, Bhaskar, KVS, Selvaraj, P, Venkateswaran, R, Kalyani, K, Goswami, A and Sridhar Raja, VLN: Lunar Laser Ranging Instrument (LLRI): a tool for the study of topography and gravitational field of the Moon, **Current Science**, Vol.96, No.4, pp.512-516, 25 February 2009.
137. Spudis, Paul, Nozette, Stewart, Bussey, Ben, Raney, Keith, Winters, Helene, Lichtenberg, Christopher L, Marinelli, William, Crusan, Jason C, Gates and Michele M: Mini-SAR: an imaging radar experiment for the Chandrayaan-1 mission to the Moon, **Current Science**, Vol.96, No.4, pp.533-539, 25 February 2009.

138. Dachev, T, Tomov, B, Dimitrov, P and Matviichuk, Y: Monitoring lunar radiation environment: RADOM instrument on Chandrayaan-1, **Current Science, Vol.96, No.4, pp.544-546, 25 February 2009.**
139. Mall, Urs, Banaszkiwicz, Marek, Bronstad, Kjell, McKenna-Lawlor, Susan, Nathues, Andreas, Soraas, Finn, Vilenius, Esa and Ullaland, Kjetil: Near Infrared Spectrometer SIR-2 on Chandrayaan-1, **Current Science, Vol.96, No.4, pp.506-511, 25 February 2009.**
140. Kiran Kumar, AS, Chowdhury, Roy A, Banerjee, A, Dave, AB, Sharma, BN, Shah, KJ, Murali, KR, Joshi, SR, Sarkar, SS and Patel, VD: Terrain Mapping Camera: A stereoscopic high-resolution instrument on Chandrayaan-1, **Current Science, Vol.96, No.4, pp.492-495, 25 February 2009.**
141. Grande, Manuel, Maddison, Brian J, Sreekumar, P, Huovelin, Johani, Kellett, Barry J, Howe, Chris J, Crawford, Ian A and Smith, DR: The Chandrayaan-1 X-ray Spectrometer, **Current Science, Vol.96, No.4, pp.517-519, 25 February 2009.**
142. Ashok Kumar, Y and MIP Project Team: The Moon Impact Probe on Chandrayaan-1, **Current Science, Vol.96, No.4, pp.540-543, 25 February 2009.**
143. Pieters, Carle M, Boardman, Joseph, Buratti, Bonnie, Chatterjee, Alok, Clark, Roger, Glavich, Tom, Green, Robert, Head, James, III, Isaacson, Peter, Malaret, Erick, McCord, Thomas, Mustard, John, Petro, Noah, Runyon, Cassandra, Staid, Matthew, Sunshine, Jessica, Taylor, Lawrence, Tompkins, Stefanie, Varanasi, Padma and White, Mary: The Moon Mineralogy Mapper (M-3) on Chandrayaan-1, **Current Science, Vol.96, No.4, pp.500-505, 25 February 2009.**
144. Vadawale, SV, Purohit, S, Shanmugam, M, Acharya, YB, Goswami, JN, Sudhakar, M and Sreekumar, R: Characterization and selection of CZT detector modules for HEX experiment onboard Chandrayaan-1, **Nuclear Instruments & Methods In Physics Research Section A-Accelerators Spectrometers Detectors And Associated Equipment, Vol.598, No.2, pp.485-495, 1 January 2009.**
145. Goswami, Jitendra Nath and Annadurai, Mylswamy: Chandrayaan-1 mission to the Moon, **Acta Astronautica, Vol.63, No.11-12, pp.1215-1220, December 2008.**
146. Banerjee, D and Gasnault, O: Hard X rays and low-energy gamma rays from the Moon: Dependence of the continuum on the regolith composition and the solar activity, **Journal of Geophysical Research, Vol.113, No.E7, July 2008.**

147. **McCann, D, Barabash, S, Nilsson, H and Bhardwaj, A:** Miniature ion mass analyzer, *Planetary and Space Science*, Vol.55, No.9, Special No.SI, pp.1190-1196, June 2007.
148. **Smith, DR, Gow, J and Holland, AD:** Proton irradiation of swept-charge devices for the Chandrayaan-1 X-ray Spectrometer (C1XS), *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, Vol.583, Nos.2-3, pp.270-277, 21 December 2007.
149. **Futaanaa, Y, Barabasha, S, Holmströma, M and Bhardwaj, A:** Low energy neutral atoms imaging of the Moon, *Planetary and Space Science*, Vol.54, No.2, pp.132-143, February 2006.
150. **Bhandari, N:** Chandrayaan-1: Science goals, *Journal of Earth System Science*, Vol.114, No.6, pp.699-709, December 2005.
151. **Goswami, JN, Banerjee, D, Bhandari, N, Shanmugam, M, Acharya, YB, Subhedar, DV, Sharma, MR, Umapathy, CN, Sreekumar, P, Sudhakar, M, Abraham, L and Agrawal, PC:** High energy X- γ ray spectrometer on the Chandrayaan-1 mission to the Moon, *Journal of Earth System Science*, Vol.114, No.6, pp.733-738, December 2005.
152. **Kiran Kumar, AS and Chowdhury, Roy A:** Hyper-Spectral Imager in visible and near-infrared band for lunar compositional mapping, *Journal of Earth System Science*, Vol.114, No.6, pp.721-724, December 2005.
153. **Krishna, A, Gopinath, NS, Hegde, NS and Malik, NK:** Imaging and power generation strategies for Chandrayaan-1, *Journal of Earth System Science*, Vol.114, No.6, pp.739-748, December 2005.
154. **Adimurthy, V, Ramanan, RV, Tandon, SR and Ravikumar, C:** Launch strategy for Indian lunar mission and precision injection to the Moon using genetic algorithm, *Journal of Earth System Science*, Vol.114, No.6, pp.711-716, December 2005.
155. **Bhardwaj, A, Barabash, S, Futaana, Y, Kazama, Y, Asamura, K, McCann, D, Sridharan, R, Holmstrom, M, Wurz, P and Lundin, R:** Low energy neutral atom imaging on the Moon with the SARA instrument aboard Chandrayaan-1 mission, *Journal of Earth System Science*, Vol.114, No.6, pp.749-760, December 2005.
156. **Kamalakar, JA, Bhaskar, KVS, Prasad, ASL, Ranjith, R, Lohar, KA, Venketeswaran, R and Alex, TK:** Lunar ranging instrument for Chandrayaan-1, *Journal of Earth System Science*, Vol.114, No.6, pp.725-731, December 2005.

157. **Kiran Kumar, AS and Chowdhury, Roy A:** Terrain mapping camera for Chandrayaan-1, **Journal of Earth System Science, Vol.114, No.6, pp.717-720, December 2005.**
158. **Mall, U, Nathues, A, Keller, HU and SIR-2 Science Team:** SIR - 2: The NIR Spectrometer for the Chandrayaan-1 Mission, **Bulletin of the American Astronomical Society, Vol. 37, p.749, August 2005.**
159. **Foing, BH:** The case for the first Indian robotic mission to the Moon, **Current Science, Vol.87, No.8, pp.1061-1065, 25 October 2004.**
160. **Bhandari, N:** Scientific challenges of CHANDRAYAAN-1: The Indian lunar polar orbiter mission, **Current Science, Vol.86, No.11, pp.1489-1498, 10 June 2004.**