Curriculum Vitae:

Mukul R. Kundu

I. Personal Data:

Birth: February 10, 1930, Calcutta, India
Marital Status: Married, three children

II. Education

- B.Sc. (Physics Honors, First Class), University of Calcutta, 1949.
- M.Sc. (Radiophysics, First Class), University of Calcutta, 1951.
- D.Sc. (Radio Astronomy), University of Paris, 1957.

III. Experience in Higher Education:

- 1952–54, Government of India Research Scholar, University of Calcutta
- 1954–56, French Government Scholar, University of Paris
- 1956–58, Research Assistant, Observatoire de Paris
- 1958–59, Senior Research Fellow, National Phys. Lab., New Delhi
- 1959–62, Associate Research Physicist, University of Michigan
- 1962–65, Associate Professor, Cornell University
- 1965–68, Associate Professor, Tata Institute of Fundamental Res., Bombay
- 1968-present Professor, University of Maryland
- 1974 November-1975 January - Visiting Professor, Tata Institute of Fundamental Research, Bombay
- 1974–75, Senior Research Associate, NASA-Goddard Space Flight Center
- 1976 July Visiting Scientist, Max-Planck Inst. fur Radio Astronomie
- 1978–80, Acting Director, Astronomy Program, University of Maryland
- 1980–85 Director, Astronomy Program, University of Maryland
- 1986 May-June, Visiting Astronome Titulaire, Observatoire de Meudon, France
- 1985–86, Visiting Professor, Tata Institute of Fund. Res., Bombay, India
- 1986 Aug-Sept. Fellow Japan Society for Promotion of Science, (JSPS)

- 1992, Visiting Scientist, Observatoire de Meudon, France
- 1993 Jan.-March, Visiting S. K. Mitra Distinguished Professor, Calcutta University, India
- 1993 June-Aug., Visiting Professor, National Astronomical Observatory of Japan, Tokyo
- 1994 June-Aug., Visiting Professor, Institute of Space & Astronautical Science, Tokyo, Japan

IV. Professional Activities

National

- Member, National Radio Astronomy Observatory Users' Committee 1970–79.
- Member, NRAO VLA Advisory Committe 1974–78.
- Member, National Academy of Sciences Committee on "Solar Physics" 1975.
- Participant, NASA Skylab Workshop on Solar Flares, Nov. 1976-Dec. 1977.
- Chairman, Local Organizing Committee of IAU Symposium No. 86 (1979) and No. 107, (1983).
- Consultant, Solar Physics Working Group of the Astronomy Survey Committee (Field Committee) 1979–80
- Member, NAS Panel on NRC Research Associateship Program, 1980–1982, 1987–1992.
- Chairman, NAS Space Sciences Panel on NRC Research Associateship Program, 1992–94.
- Member, NRC Advisory Comm. on Fellowships, 1991–94.
- Chairman, NRC Panel on Space Sciences, 1992–94.
- Member, AAS-SPD Nominating Committee, 1978, 1982.
- Co-Director, Three SMM Workshops, January, June and February 1984.
- Member, Steering Committee for Solar Terrestrial Theory Program (STIP) Workshop, June l983.
- Member, NSF Advisory Panel for Atmospheric Sciences, 1983–86.
- Member. NASA Solar Physics Managment Operations Working Group, 1990–91.

International

- Member, Solar Maximum Year Organizing Committee 1977–82.
- Member, SMY Steering Committee 1977–82.
- Member, Editorial Board of Solar Physics 1967-Present.
- Member, Organizing Committee of IAU Commission 40, 1967–70.
- Chairman, Scientific Organizing Committee of IAU Symposium No. 86 (1979).

- Member, Organizing Committee of IAU Colloquium No. 44 (1978).
- Member, Executive Commitee of the Scientific Committee on Solar Terrestrial Physics (SCOSTEP) (1979–85)
- Official Representative of SCOSTEP to the IAU General Assembly in Montreal, Patras and Delhi (1979, 1982, 1985).
- Editor, Proceedings, IAU Symp. No. 86 “Radio Physics of the Sun”.
- Chairman, Scientific Organizing Committe of IAU Symposium No. 107 (1983).
- Member, Solar Maximum Year Data Analysis (SMA) Steering Committee, 1982–86
- Member, Scientific Advisory Committee for the Solar Physics Workshop in China, 1983.
- Editor, Proceedings, IAU Symp. No. 107, “Unstable Current Systems and Plasma, Instabilities in Astrophysics”, 1984.
- Editor, “Solar-Terrestial Physics”, Proc. Indo-U.S. Seminar, held in Delhi, Feb. 1984.
- Editor, “Energetic Phenomena on the Sun”, Proc. SMM Workshops, 1983 and 1984, NASA Publ. 2439.
- Member, Scientific Org. Comm. IAU Symp. No. 142, “Particle Acceleration Phenomena in Astrophysical Plasmas” (1993).
- Chairman, Local Org. Comm. IAU Symp. No. 142, “Particle Acceleration Phenomena in Astrophysical Plasmas” (1993).
- Scientific Advisor to the Eastern Center for Research in Physics (ECRA).

Societies

- Member, American Astronomical Society
- Member, Solar Physics Division of American Astronomical Society
- Member, Commission J, U.S. National Committee for URSI
- Member, International Scientific Radio Union
- Senior Member, Inst. of Electrical and Electronic Engineers
- Fellow, Royal Astronomical Society
- Member, Sigma Xi
- Member, Astronomical Society of India
- Member, American Geophysical Union
- Fellow, American Physical Society

V. Honors and Awards

- Krishna Lal De Gold Medal of the University of Calcutta, 1949
- University of Calcutta Medal, 1949
- University of Calcutta Medal, 1951
- Anantha Mohan Memorial Prize of the University of Calcutta, 1951
- Listed in American Men of Science
- Listed in Who's is Who in the East
- Listed in Who's Who in Technology Today
- Listed in Who's Who in Frontier of Science and Technology
- Listed in Personalities of the South
- Listed in Who is Who in Society
- Listed in Who is Who in America
- Listed in Men of Achievement
- NAS-NRC Senior Research Associateship, 1967
- NAS-NRC Senior Research Associateship, 1974–75
- NAS-NRC Senior Research Associateship, 1986
- Humbolt Foundation Senior U.S. Scientist Award, 1978
- Smithsonian Foreign Currency Program Award, 1979, 1980, 1981, 1982, 1992.
- Fellow, Japan Society for Promotion of Science (JSPS), 1986.
- Fellow, American Physical Society, 1988
- Senior Fellow, Center for Global Partnership (NSF-INT), 1996

VI. LIST OF PUBLICATIONS OF DR. M. R. KUNDU

A. Refereed Publications: Solar Radio Astronomy

–1. *"Correlation between variations of surface pressure and ionospheric parameters"*, *Ind. J. Phys.,* **27**, 235, 1953.

–2. *"Thunderstorms and sporadic E ionization of the ionosphere"*, S. K. Mitra and M. R. Kundu, *Nature,* **174**, 798, 1954.

–3. *"Velocity of movement of sporadic E clouds"*, *Science and Culture* **20**, 303, 1954.

–4. *"Dispositif Interferometrique Pour l' e′tude Des Sources Solaires Localise′es Centimetriques"*, I. Alon, M. R. Kundu et J. L. Steinberg, *Comptes Rendus* **244**, 1726, 1957.

–5. *"Relation entre l'ionization de la couche E′ de l'ionosphere et le rayonnement solaire radio e′lectrique"*, J. F. Denisse et M. R. Kundu, *Comptes Rendus* **24**, 45, 1957.

–6. *"Solar radiation on decimeter waves as an index for ionospheric studies"* M. R. Kundu and J. F. Denisse, *Journ. Atmos Terr. Phys.,* **13**, 76, 1958.

–7. *"E′tude des sources solaires persistantes sur ondes centime′triques"*, *Comptes Rendus* **246**, 2740, 1958.

–8. *"Sur les dimensions des sources des sursauts de rayonnement solaire sur ondes centrime′triques"*, *Comptes Rendus* **246**, 2852, 1958.

–9. *"A New High Resolution Interferometer for Solar Studies"*, M. R. Kundu, *Jour. Inst. Telcom. Eng.* **5**, 77, 1959.

–10. *"Structures et proprie′te′s des sources d'activite′ solaire sur ondes centime′triques"*, *Annales d'astrophysique* **22**, 1–100, 1959.

–11. *"Etude interfe′rome′trique des sources d'activite′ solaire sur 3 cm de longueur d'onde"*, Paris Symposium on Radio Astronomy, Ed. R. N. Bracewell, Stanford University Press, Stanford) p. 222, 1959.

–12. *"Time relationship of meterwave and 3 cm wave bursts"*, *Nature* **183**, 1067, 1959.

–13. *"On the polarization of sources of solar activity on 3 cm-wavelength"*, M. R. Kundu and J. L. Steinberg, *Jour. Inst. Telecom. Eng.* **6**, 23, 1959.

–14. *"A relation between solar radio emission and polar cap absorption of cosmic noise"*, M. R. Kundu and F. T. Haddock, *Nature* **186**, 610, 1960.

–15. *"Solar radio emission on centimeter waves and ionization of the E layer of the ionosphere"*, *J. Geophys. Res.* **65**, 3903, 1960.

–16. *"Some studies on the occurrence of type IV solar bursts of continuum radiation"*, *Astrophys. J.* **134**, 96, 1961.

–17. *"Centimeter-wave solar bursts and associated effects"*, M. R. Kundu and F. T. Haddock, *IRE Transactions on Antennas and Propagation, AP-9* **82**, 1961.

–18. *"Interferometric studies of type IV solar bursts of continuum radiation on 340 Mc/s and 87 Mc/s"*, M. R. Kundu and J. W. Firor, *Astrophys. J.* **134**, 389, 1961.

–19. *"A comparison of the dynamic spectra of solar radio bursts in the decimeter and meter-wavelength ranges"*, M. R. Kundu, J. A. Roberts, C. L. Spencer, and J. W. Kuiper, *Astrophys. J.* **133**, 255, 1961.

–20. *"Bursts of centimeter-wave emission and the region of origin of x-rays from solar flares"*, *J. Geophys. Res.* **66**, 4308, 1961.

–21. *" The nature of type IV solar radio bursts "*, Proc. Int. Conf. on Cosmic Rays and Earth Storm,*Kyoto, J. Phys. Soc. Japan, Supplement A-II*, **17**, 215, 1962.

–22. *"Some relations between centimeter-wave radio bursts and solar cosmic rays and x-rays"*, Proc. Int. Conf. on Cosmic Rays and Earth Storm, *Kyoto, J. Phys. Soc. Japan, Supplement A-II*, **17**, 259, 1962.

–23. *"Association of centimeter-wave bursts with different spectral types of meter-wave bursts of solar radio emission"*, *J. Geophys. Res.* **67**, 2605, 1962.

–24. *"A note on type IV emission"*, M. R. Kundu and S. F. Smerd, *Inf. Bulletin Europ. Solar Radio Obs.* No. **11**, August 1962.

–25. *"Spectral characteristics of continuum radiation in the 500–1000 mc/s range"*, M. R. Kundu and C. L. Spencer, *Astrophpys. J.* **137**, 572, 1963.

–26. *"Occultation of Taurus-A by the solar corona at 430 Mc/s in June 1964"*, *Nature* **205**, 683, 1965.

–27. *"Lunar occultation of a solar active region at 4 cm wavelength"*, M. R. Kundu and T. Velusamy, *Nature* **217**, 1132, 1968.

–28. *"A four-frequency observation of the 1967 Taurus A occultation by the solar corona"*, F. Ahern, W. C. Erickson and M. R. Kundu, *Maryland Astronomical Journal* **1**, 32, 1968.

–29. *"Solar active regions at millimeter wavelengths"*, M. R. Kundu, *Solar Phys.* **13**, 348, 1970.

–30. *"Positions and motions of solar bursts at decameter wavelengths"*, M. R. Kundu, W. C. Erickson, P. D. Jackson and J. Fainberg, *Solar Phys.* **14**, 394, 1970.

–31. *"Solar radio emission at 1.2 mm wavelength"*, *Solar Phys.* **21**, 130, 1971.

–32. *"Polarization of solar active regions at 9.5 mm wavelength"*, M. R. Kundu and T. P. McCullough, *Solar Phys.* **24**, 133, 1972.

–33. *"Observations of prominences at 3.5 mm wavelength"*, *Solar Phys.* **25**, 108, 1972.

–34. *"The quiet sun brightness distributions at millimeter wavelengths and chromospheric inhomogeneities"*, P. Lantos and M. R. Kundu, *Astron. and Astrophys.* **21**, 119, 1972.

–35. *"Polarization structure of a solar flare region at 9.5 mm wavelength"*, M. R. Kundu and T. P. McCullough, *Solar Phys.* **27**, 182, 1973.

–36. *"Solar active regions at 9 and 3.5 mm wavelengths under disturbed conditions"*, M. R. Kundu and S. Y. Liu, *Solar Phys.* **29**, 409, 1973.

–37. *"Fine structure of the sun at 1.3 cm wavelength"*, M. R. Kundu and T. Velusamy, *Solar Phys.* **34**, 125, 1974.

–38. *"Fine structure of a solar active region at 3.7 and 11.1 cm wavelengths"*, M. R. Kundu, T. Velusamy and R. H. Becker, *Solar Phys.* **34**, 185, 1974.

–39. *"Fine structure of a solar flare region at 3.7 and 11.1 cm wavelengths"*, M. R. Kundu, T. Velusamy and R. H. Becker, *Solar Phys.* **34**, 217, 1974.

–40. *"Polarization of solar active regions at 3.5 mm wavelength"*, M.R. Kundu and T.E. Gergely, *Solar Phys.* **31**, 461, 1973.

–41. *"Decameter type IV bursts associated with coronal transients"*, T.E. Gergely and M.R. Kundu, *Solar Phys.* **34**, 433, 1974.

–42. *"Meter and decameter wavelength positions of solar bursts of July 31-August 7, 1972"*, M. R. Kundu and W. C. Erickson, *Solar Phys.* **36**, 179, 1974.

–43. *"Observations of coronal disturbances from 1 to 9 $R_\odot$ II - Second event of 1973 January 11"*, R. T. Stewart, R. Howard, S. F. Hansen, T. Gergely and M. Kundu, *Solar Phys.* **36**, 219, 1974.

–44. *"Decameter storm radiation. II."*, T.E. Gergely and M.R. Kundu, *Solar Phys.* **41**, 163, 1975.

–45. *"High resolution observations of solar bursts at 3.7 and 11.1 cm wavelengths"*, C.E. Alissandrakis and M.R. Kundu, *Solar Phys.* **41**, 119, 1975.

–46. *"A search for periodic variations of solar radio emission at 3.7 and 11.1 cm wavelengths"*, M. R. Kundu and C. E. Alissandrakis, *M.N.R.A.S.* **173**, 65, 1975.

–47. *"Observations at 6 cm of the solar active region"*, M. R. Kundu and C. E. Alissandrakis, *Nature* **257**, 465, 1975.

–48. *"Comments on the quiet sun brightness distribution at 1.2 mm wavelength"*, M.R. Kundu and S. Y. Liu, *Solar Phys.* **44**, 361, 1975.

–49. *"On the structure of filaments from centimeter and millimeter observations"*, M. Butz, E. Furst, W. Hirth and M. R. Kundu, *Solar Phys.* **45**, 125, 1975.

–50. *"A decameter type II burst associated with a behind-the-limb flare"*, T. E. Gergely and M. R. Kundu, *Solar Phys.* **48**, 357, 1976.
–51. *"Differential rotation of the sun's atmosphere as determined from millimeter data"*, S. Y. Liu and M. R. Kundu, *Solar Phys.* **46**,15, 1976.
–52. *"6 cm observations of solar active regions with 6" arc resolution"*, M. R. Kundu, C. E. Alissandrakis, J. D. Bregman and A. C. Hin, *Ap.J.* **213**, 178, 1977.
–53. *"A comparison of positions and sizes of sources of centimeter and x-ray bursts"*, M. R. Kundu, C. E. Alissandrakis and S. W. Kahler, *Solar Phys.* **50**, 429, 1976.
–54. *"Brightness distributions of the sun at 33 and 37 GHz"*, M. R. Kundu, S-Y. Liu, and T. P. McCullough, *Solar Phys.* **51**, 321, 1977.
–55. *"Observations of the quiet sun at meter and decameter wavelengths"*, M. R. Kundu, T. E. Gergely and W. C. Erickson, *Solar Phys.* **53**, 489, 1977.
–56. *"Observations of a coronal hole at 85 GHz"*, M. R. Kundu and S. Y. Liu, *Solar Phys.* **49**, 267, 1976.
–57. *"The decameter spectrum of the quiet sun"*, W. C. Erickson, T. E. Gergely, M. R. Kundu and M. J. Mahoney, *Solar Phys.* **54**, 57, 1977.
–58. *"3.5 mm depression features associated with Hα disparitions brusques"*, M. R. Kundu and P. Lantos, *Solar Phys.* **52**, 393, 1977.
–59. *"The association of nonthermal accelerated electrons with "non-flaring" Hα filament disappearances and coronal transients"*, D. F. Webb and M. R. Kundu, *Solar Phys.* **55**, 157, 1978.
–60. *"A study of filament transition sheath from radio observations"*, A. P. Rao and M. R. Kundu, *Solar Phys.* **55**, 161, 1977.
–61. *"6 cm observations of solar radio bursts with 6" arc resolution"*, C. E. Alissandrakis and M. R. Kundu, *Ap.J.* **222**, 342, 1978.
–62. *"Multifrequency observations of solar filaments at centimeter wavelengths"*, M. R. Kundu, E. Fürst, W. Hirth and M. Butz, *Astron. and Astrophys.* **62**, 431, 1978.
–63. *"Fine structure and time variation of the quiet sun at 1.3 cm"*, A. P. Rao and M. R. Kundu, *Solar Phys.* **59**, 345, 1978.
–64. *"An interpretation of the polarization structure of microwave bursts"*, M. R. Kundu and L. Vlahos, *Ap. J.* **232**, 595, 1979.
–65. *"Radio and white light observations of the August 21, 1973 coronal transient"*, T. E. Gergely, M. R. Kundu, R. H. Munro and A. I. Poland, *Astrophys. J.* **230**, 575, 1979.
–66. *"Microwave, EUV, and X-ray observations of active region loops"*, M. R. Kundu, E. J. Schmahl and M. Gerassimenko, *Astron. Astrophys.* **82**, 265, 1980.
–67. *"A model for sunspot associated emission at 6 cm wavelength"*, C. E. Alissandrakis, M. R. Kundu and P. Lantos, *Astron. Astrophys* **82**, 30, 1980.
–68. *"High resolution observations of the quiet sun at 6 cm using the Westerbork Synthesis Radio Telescope"*, M. R. Kundu, A. P. Rao, F. T. Erskine, and J. D. Bregman, *Ap. J.* **234**, 1122, 1979.
–69. *"Radio interferometric observations of solar bursts at 3.7 and 11.1 cm wavelengths"*, M. R. Kundu and P. E. Angerhofer, *Solar Phys.* **64**, 159, 1979.
–70. *"Association of flaring x-ray bright points with type III bursts"*, M. R. Kundu, T. E. Gergely and L. Golub, *Ap. J. Letters* **236**, L78, 1980.
–71. *"6 cm observations of a solar active region and bursts with ∼ 6" arc resolution"*, F.T. Erskine, M. R. Kundu and A. P. Rao, *Astron. Astrophys.* **83**, 265, 1980.
–72. *"VLA observations of solar active regions at 6 cm wavelength"*, M. R. Kundu, E. J. Schmahl and A. P. Rao, *Astron. Astrophys.* **94**, 72, 1981.
–73. *"Observations with the VLA of a stationary loop structure on the sun at 6 cm wavelength"*, M. R. Kundu and T. Velusamy, *Ap. J. Letters* **240**, L63, 1980.

–74. *"VLA observations of post-flare loops at 20 cm wavelength"*, T. Velusamy and M. R. Kundu, *Astrophys. J. Letters* **243**, L103, 1981.
–75. *"Decameter studies of the 5 September 1973 flare"*, T. E. Gergely and M. R. Kundu, *Solar Phys.* **71**, 65, 1980.
–76. *"Upper limits on the power in solar oscillations at 1.2 mm, 9 mm, 3.7 cm and 11.1 cm wavelengths"*, M. R. Kundu and E. J. Schmahl, *Astron. Astrophys.* **90**, 192, 1980.
–77. *"Microwave solar limb brightening"*, I. A. Ahmad and M. R. Kundu, *Solar Phys.* **69**, 273, 1981.
–78. *"Synthesized map of a solar filament at 6 cm wavelength"*, A. P. Rao and M. R. Kundu, *Astron. Astrophys.* **86**, 373, 1980.
–79. *"Observations of solar filaments at 8, 15, 22 and 43 GHz"*, E. J. Schmahl, M. Bobrowsky and M. R. Kundu, *Solar Phys.* **71**, 311, 1981.
–80. *"Magnetic structure of a flaring region producing impulsive microwave and hard x-ray bursts"*, M. R. Kundu, E. J. Schmahl, and T. Velusamy, *Ap. J.* **253**, 963, 1982.
–81. *"VLA observations of 6 cm burst peaks associated with hard x-ray burst spikes"*, M. R. Kundu, M. Bobrowsky and T. Velusamy, *Ap.J.* **251**, 342, 1981.
–82. *"Radio imaging of solar flares using the Very Large Array: New insights into flare process"*, M. R. Kundu, E. J. Schmahl, T. Velusamy and L. Vlahos, *Astron. Astrophys.* **108**, 188, 1982.
–83. *"VLA observations of the evolution of a solar burst source structure at 6 cm wavelength"*, T. Velusamy and M. R. Kundu, *Ap.J.* **258**, 388, 1982.
–84. *"Observations of ring structure in a sunspot associated source at 6 cm wavelength"*, C. E. Alissandrakis and M. R. Kundu, *Ap. J. Letters,* **253**, L49, 1982.
–85. *"Time variability and structure of quiet sun sources at 6 cm wavelength"*, F. T. Erskine and M. R. Kundu, *Solar Phys.* **76**, 221, 1982.
–86. *"Electron pitch angle scattering and the impulsive phase microwave and Hard x-ray emission from solar flares"*, G. D. Holman, M. R. Kundu and K. A. Papadopoulos, *Ap.J.* **257**, 354, 1982.
–87. *"Active region magnetic fields inferred from simultaneous VLA microwave maps, x-ray spectroheliograms and magnetograms"*, E. J. Schmahl, M. R. Kundu, R. D. Bentley, J. B. Smith, Jr., and K. R. Krall, *Solar Phys.* **80**, 827, 1982.
–88. *"Positions of type II fundamental and harmonic sources in the 30–100 MHz range"*, H. S. Sawant, T. E. Gergely and M. R. Kundu, *Solar Phys.* **77**, 249, 1981.
–89. *"Positional characteristics of meter-decameter wavelength bursts associated with hard x-ray bursts"*, M. R. Kundu, T. E. Gergely and S. R. Kane, *Solar Phys.* **79**, 107, 1982.
–90. *"Solar Microwave Bursts - A Review"*, M. R. Kundu and L. Vlahos *Space Science Reviews* **32**, 405, 1982.
–91. *"Advances in Solar Radio Astronomy"*, M. R. Kundu, *Reports on Progress in Physics* **45**, 1435–1541, 1982.
–92. *"Thermal and Nonthermal Phenomena in Flare Loops at 20 cm Wavelength and in X-rays"*, E. J. Schmahl, M. R. Kundu, P. B. Landecker and D. L. McKenzie, *Solar Phys.* **83**, 3, 1983.
–93. *"VLA Solar Observations of a Remote Microwave Brightening Followng a Flare"*, M. R. Kundu, D. M. Rust, and M. Bobrowsky, *Ap.J.* **265**, 1084, 1982.
–94. *"Spatial Characteristics of Microwave Bursts"*, M.R. Kundu, *Solar Phys.* **86**, 205, 1983.
–95. *"VLA Observations of a Solar Active Region and Coronal Loops"*, D. McConnell and M. R. Kundu Ap.J. 269, 698, 1983.
–96. *"Direct Evidence of Type III Electron Streams Propagating in Coronal Streamers"*, M. R. Kundu, T. E. Gergely, P. J. Turner and R. A. Howard, *Ap.J. Letters* **269**, L67, 1983.
–97. *"First Results from the Clark Lake Multifrequency Radioheliograph"*, M. R. Kundu, W. C. Erickson, T. E. Gergely, M. J. Mahoney, and P. J. Turner, *Solar Phys.* **83**, 395, 1983.

–98. *“A Coronal Transient Assocated with a High Speed Type II Burst”*, T. E. Gergely, M. R. Kundu and E. Hildner, *Astrophys. J.* **268**, 403, 1983.
–99. *“Network to Cell Contrast at Microwaves”*, F. Chiuderi-Drago, M. R. Kundu and E. J. Schmahl, *Solar Phys.* **85**, 237, 1983.
100. *“Physics of the Impulsive Phase of Solar Flares”*, M.R. Kundu, *Advances in Space Research* **2**, 159, 1983.
101. *“Observations of Solar Radio Bursts from Meter to Kilometer Wavelengths”*, M.R. Kundu and R. G. Stone, *Adv. Sp. Res.* **4**, 261, 1984.
102. *“Interpretation of Microwave Active Region Ring Structures and Other Features Using Solar Maximum Mission Soft X-ray Observations”*, K. T. Strong, C. E. Alissandrakis, and M. R. Kundu, *Astrophys. J.* **277**, 865, 1984.
103. *“Radio and Visible Light Observations of a Coronal Arcade Transient”*, T. E. Gergely, M. R. Kundu et al., *Solar Phys.* **90**, 161, 1984.
–104. *“A Study of the Evolution of Energetic Electrons in a Solar Flare”*, G. D. Holman, M. R. Kundu and B. R. Dennis, *Astrophys. J.* **276**, 761, 1984.
–105. *“The Spatial Distribution of 6 cm Gyroresonance Emission from a Flaring X-ray Loop”*, S. W. Kahler, D. F. Webb, J. M. Davis and M. R. Kundu, *Solar Phys.* **92**, 271, 1984.
–106. *“VLA Observations of Fine Structures in Solar Active Regions at 6 cm Wavelength”*, D. McConnell and M. R. Kundu, *Astrophys. J.* **279**, 421, 1984.
–107. *“Three Dimensional Structures of Two Solar Active Regions from VLA Observations at 2, 6 and 20 cm Wavelengths”*, R. K. Shevgaonkar and M. R. Kundu, *Astrophys. J.* **283**, 413, 1984.
–108. *“Microwave, Soft and Hard X-ray Imaging Observations of Two Solar Flares”*, M. R. Kundu, M. Machado, F. T. Erskine, M. Rovira and E. J. Schmahl, *Astron. Astrophys.* **132**, 241, 1984.
–109. *“Coronal Extension of Flaring Region Magnetic Fields Inferred From High Resolution Microwave and Type III Burst Observations”*, P. Lantos, M. Pick and M. R. Kundu, *Ap.J. Letters* **283**, L71, 1984.
–110. *“Sharp Edges in Solar Microwave Spectra: Neutral Current Sheets or Cyclotron Lines?”*, E. J. Schmahl, R. K. Shevgaonkar, M. R. Kundu and D. McConnell, *Solar Phys.* **93**, 305, 1984.
–111. *“Structure and Polarization of Active Region Microwave Emission”*, M. R. Kundu and C. E. Alissandrakis, *Solar Phys.* **94**, 249, 1984.
–112. *“Center to Limb Variation of a Sunspot Associated Microwave Source”*, C. E. Alissandrakis and M. R. Kundu, *Astron. Astrophys.* **139**, 271, 1984.
–113. *“Relative Positions of Microwave and Hard X-ray Burst Sources”*, M. R. Kundu, *Advances in Space Research* **4**, 157, 1984.
–114. *“Simultaneous Dual Wavelength Observations of an Impulsive Microwave Burst Using the VLA”*, R. K. Shevgaonkar and M. R. Kundu, *Advances in Space Research* **4**, 247, 1984.
–115. *“A Multiple Type II Burst Associated with a Coronal Transient and its MHD Simulation”*, T. E. Gergely, M. R. Kundu, S. T. Wu, M. Dryer, Z. Smith and R. T. Stewart *Advances in Space Research* **4**, 283, 1984.
–116. *“A Study of Flare Buildup From Simultaneous Observations in Microwave, Hα and UV Wavelengths”*, M. R. Kundu, V. Gaizauskas, B. E. Woodgate, E. J. Schmahl, R. Shine, and H. P. Jones, *Ap. J. Supplement* **57**, 621, 1985.
–117. *“Multiwavelength Observations of a Preflare Solar Active Region Using the VLA”*, M. R. Kundu and R. K. Shevgaonkar, *Ap.J.* **291**, 860, 1985.
–118. *“Dual Frequency Observations of Solar Microwave Bursts Using the VLA”*, R. K. Shevgaonkar and M. R. Kundu, *Ap.J.* **292**, 733, 1985.
–119. *“VLA Observations of a Radio Plage at Centimeter Wavelengths”*, R. K. Shevgaonkar and M. R. Kundu, *Solar Phys.* **98**, 119, 1985.
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