

Nissim Kanekar

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1 Biographical details :

- Date of Birth : 11th September, 1973
- Nationality : Indian
- Institute : National Centre for Radio Astrophysics, TIFR, Pune – 411007, India
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2 Career history:

- DST J. C. Bose Fellowship: 2024 – present, National Centre for Radio Astrophysics, India
- Professor-H: 2018 – present, National Centre for Radio Astrophysics, India
- DST Swarnajayanti Fellowship: 2015 – 2020, National Centre for Radio Astrophysics, India
- Associate Professor-G: 2012 – 2017, National Centre for Radio Astrophysics, India
- DST Ramanujan Fellowship: 2009 – 2014, National Centre for Radio Astrophysics, India
- Reader-F: 2009 – 2012, National Centre for Radio Astrophysics, India
- Max Planck Fellowship : 2007 – 2009, National Radio Astronomy Observatory, USA.
- Jansky Fellowship : 2004 – 2008, National Radio Astronomy Observatory, USA.
- NOVA Fellowship : 2002 – 2004, Kapteyn Institute, University of Groningen, The Netherlands (NL)
- Visiting Fellowship : 2000 – 2001, National Centre for Radio Astrophysics, India

3 Formal education :

- Ph.D. (Physics): October 2000, University of Pune. Research carried out at NCRA-TIFR, Pune
- M. Sc. (Physics): 1995, University of Pune, India
- B. Sc. (Physics): 1993, University of Bombay, India

4 Fellowships and Awards :

- DST J. C. Bose Fellowship: 2024 – present, National Centre for Radio Astrophysics, India
- Infosys Prize for the Physical Sciences – 2022, awarded by the Infosys Science Foundation
- Fellowship of the Indian Academy of Sciences – 2018
- Shanti Swarup Bhatnagar Award for the Physical Sciences – 2017, awarded by the Council of Scientific and Industrial Research, India
- Hari Om Prerit Vikram Sarabhai Award for Space Sciences – 2015, awarded by Physical Research Laboratory, India
- DST Swarnajayanti Fellowship: 2015 – 2020, National Centre for Radio Astrophysics, India
- The Delta Lecturership Award: 2014, awarded by the National Central University, Taiwan
- DST Ramanujan Fellowship: 2009 – 2014, National Centre for Radio Astrophysics, India
- Vainu Bappu Gold Medal of the Astronomical Society of India: 2008 (shared with Niayesh Afshordi)
- Max Planck Fellowship : 2007 – 2009, National Radio Astronomy Observatory, USA.
- Distinguished Visitor : 12/2005 – 01/2006, Australia Telescope National Facility, Australia.
- ESO Visiting Fellowship : 9/2005 – 10/2005, European Southern Observatory, Chile.
- URSI Young Scientist Award : 2005, declined.
- Jansky Fellowship : 2004 – 2008, National Radio Astronomy Observatory, USA.
- Bolton Fellowship (ATNF, Australia) : 2004 – 2007, declined.
- ASTRON Fellowship (ASTRON, The Netherlands) : 2004 – 2007, declined.
- Bolton Fellowship (ATNF, Australia) : 2003 – 2006, declined.
- NOVA Fellowship : 2002 – 2004, Kapteyn Institute, University of Groningen, The Netherlands

5 Professional activities:

- Referee for the journals Nature, Science, Physical Review Letters, Nature Astronomy, Monthly Notices of the Royal Astronomical Society, Physical Review D, Astrophysical Journal, Astrophysical Journal Letters, Astronomical Journal, Astronomy & Astrophysics, Astrophysics & Space Science, and Journal of Astronomy and Astrophysics.
- Referee for funding proposals to the US National Science Foundation, the European Research Council, the UK Science and Technology Facilities Council, and the Australian Research Council.

- Chair of a Cosmology Science Panel for observing proposals to the Atacama Large Millimeter/sub-millimeter Array, Chair of the Time Allocation Committee for proposals to the Devasthal Optical Telescope, and member of the Time Allocation Committees for the Giant Metrewave Radio Telescope, the Devasthal Optical Telescope, and the Very Large Array Large Programs.
- Referee for observing proposals to the Giant Metrewave Radio Telescope, the AstroSat telescope, the Meerkat telescope, the Shanghai-Tianma telescope, and the FAST telescope.
- Member of the Organizing Committee of the International Astronomical Union Commission J “The Inter-galactic Medium”

6 Observing experience

More than 1000 hours of competitive observing time on the Giant Metrewave Radio Telescope (India) and the Green Bank Telescope (USA), and more than 500 hours of competitive time on the Westerbork Synthesis Radio Telescope (the Netherlands), the Very Large Array (USA), the Australia Telescope Compact Array (Australia), and the Arecibo Telescope (USA). Observing time on the Hubble Space Telescope, the Gemini-North Telescope, the W. M. Keck Telescope, the Atacama Large Millimeter/submillimeter Array, the Very Large Telescope, the Very Long Baseline Array, the European VLBI Network, global VLBI arrays, the NOOrth European Millimetre Array, the IRAM 30m telescope, and the William Herschel Telescope.

7 Current research areas:

- High-redshift galaxies.
- Fundamental constant evolution.
- The Galactic interstellar medium.
- Tests of General Relativity in the strong-field regime

8 Conference talks (selected):

1. “International Conference on Gravitation and Cosmology”, Guwahati, 2023 (invited)
2. “Resolving the Extragalactic Universe with ALMA & JWST”, Tokyo, Japan, 2023
3. “2023 East Asia SKA Workshop”, Jeju, South Korea, 2023 (invited)
4. “The Evolution of Gas in and around Galaxies”, Stanley, Idaho, USA, 2023
5. “Pathfinder HI Survey Coordination Committee - 2023 ”, Cape Town, South Africa, 2023
6. “Frontiers of Cosmology”, Bangalore, India, 2023 (invited)

7. “What Matter(s) Between Galaxies”, Champoluc, Italy, 2022
8. “Asia Pacific Physics Conference – 15”, , 2022 (virtual, invited)
9. “Pathfinder HI Survey Coordination Committee - 2020 ”, (virtual, invited)
10. “What Matter(s) Between Galaxies”, Spineto, Italy, 2019 (invited)
11. “HI Absorption 2018”, Dwingeloo, The Netherlands, 2018 (invited)
12. “The East Asia ALMA Workshop”, Daejeon, South Korea, 2017 (invited)
13. “The Thirty Meter Telescope Science Forum”, Mysuru, India, 2017 (invited)
14. “JvGFest 2017: Gas and Galaxy Evolution”, Stanley, Idaho, USA, 2017 (invited)
15. “Science at Low Radio Frequencies – III”, Pasadena, California, USA, 2016 (invited)
16. “Galaxies on Top of Quasars”, Pittsburgh, USA, 2016
17. “SKA in Seoul”, Seoul, South Korea, 2015
18. “The Metre Wavelength Sky”, Pune, India, 2013 (invited)
19. “Phases of the ISM”, Heidelberg, Germany, 2013
20. “Varying Fundamental Constants and Dynamical Dark Energy”, Sesto, Italy, 2013 (invited)
21. “The Modern Radio Universe – 2013”, Bonn, Germany, 2013 (invited)
22. “Indian Conference on Galaxy Formation and Cosmology”, Mohali, India, 2011 (invited)
23. “International Conference on Interstellar Dust, Molecules and Chemistry”, Pune, India, 2011 (invited)
24. “Galaxies in Absorption”, Boulder, Colorado, USA, 2011 (invited)
25. “A Quarter Century of DLAs”, Ringberg, Germany, 2011 (invited)
26. “A New Golden Age in Radio Astronomy”, Assen, The Netherlands, 2010
27. “The High Redshift Universe: A Multi-Wavelength View”, Aspen, Colorado, USA, 2010
28. “IAU JD 9: Are the Fundamental Constants varying with Time ?”, Rio de Janeiro, Brazil, 2009
29. “The Marcel Grossmann meeting 12”, Paris, France, 2009
30. “The Invisible Universe”, Paris, France, 2009
31. “Advancing Chemical Understanding through Astronomical Observations”, Green Bank, USA, 2009 (invited)
32. “The EVLA Vision: Galaxies Through Cosmic Time”, Socorro, USA, 2008

33. “The Low Frequency Radio Universe”, Pune, India, 2008 (invited)
34. “Galaxy Evolution through the Neutral Hydrogen Window”, Arecibo, USA, 2008
35. “Indian Conference on Galaxy Formation and Cosmology”, Allahabad, India, 2007
36. “Frontiers of Astrophysics : A Celebration of NRAO’s 50th Anniversary”, Virginia, USA, 2007 (invited)
37. “HI Survival through Cosmic Time”, Sienna, Italy, 2007 (invited)
38. “Precision Spectroscopy in Astrophysics – 2006”, Aveiro, Portugal, 2006
39. “New Techniques and Results in Low Frequency Radio Astronomy”, Tasmania, Australia, 2005 (invited)
40. “Probing Galaxies through Quasar Absorption Lines”, IAU Colloquium 199, Shanghai, China, 2005
41. “The Dense Interstellar Medium in Galaxies”, 4th Köln-Bonn-Zermatt Symposium, Zermatt, 2003
42. “The Baryonic Universe”, Aspen Astrophysics Workshop, Aspen, USA, 2003

9 Colloquia and other invited talks (selected):

1. Colloquium, National Radio Astronomy Observatory, Socorro, USA, 2023
2. Colloquium (online), Thüringer Landessternwarte, Tautenberg, Germany, 2022
3. Colloquium (online), McGill University, Canada, 2021
4. Colloquium (online), ICRAR, University of Western Australian, Australia, 2021
5. NSF Colloquium (online), Tata Institute of Fundamental Research, Mumbai, India, 2021
6. Colloquium (online), National Central University, Taiwan, 2021
7. Colloquium (online), ASTRON, The Netherlands, 2020
8. Colloquium (online), Dominican Radio Astronomy Observatory, Canada, 2020
9. Colloquium (online), Hebrew University, Jerusalem, Israel, 2020
10. State of the Universe seminar (online), Tata Institute of Fundamental Research, Mumbai, India, 2020
11. Colloquium, Indian Institute of Science Education and Research, Mohali, 2020
12. Colloquium, Inter-University Centre for Astronomy and Astrophysics, Pune, 2019
13. Colloquium, Canadian Institute of Theoretical Astrophysics, Toronto, Canada, 2019
14. Colloquium, Saha Institute of Nuclear Physics, Kolkata, 2018

15. Anil Kumar Memorial Lecture, Indian Institute of Science, Bengaluru, 2018
16. Colloquium, Centre d'Énergie Atomique, Saclay, France, 2018
17. Colloquium, Kapteyn Institute, University of Groningen, The Netherlands, 2018
18. NISER Physics Colloquium, National Institute of Science Education and Research, Bhubaneswar, 2018
19. IISER Physics Seminar, Indian Institute of Science Education and Research, Pune, 2018
20. Presidency University Colloquium, Presidency University, Kolkata, India, 2017
21. Vikram Sarabhai Award Colloquium, Physical Research Laboratory, Ahmedabad, India, 2017
22. ARIES Colloquium, Aryabhata Research Institute for Observational Sciences, Nainital, India, 2017
23. TIFR Astronomy Colloquium, Tata Institute of Fundamental Research, Mumbai, India, 2017
24. Max-Planck Institut für Radioastronomie colloquium, Bonn, Germany, 2016
25. IMPS seminar, University of California, Santa Cruz, USA, 2016
26. KASI Colloquium, Korea Astronomy and Space Science Institute, Daejeon, South Korea, 2015
27. Delta Lecturership Colloquium, National Central University, Taiwan, 2015
28. ICRAR Colloquium, University of Western Australia, Australia, 2014
29. ICRAR Colloquium, Curtin University, Australia, 2014
30. Kapteyn Institute Colloquium, Groningen, The Netherlands, 2013
31. Max Planck Institut für Radioastronomie Colloquium, Bonn, Germany, 2013
32. TIFR Physics Colloquium, Tata Institute of Fundamental Research, Mumbai, India, 2012
33. IISc Astronomy Seminar, Indian Institute of Sciences, Bangalore, India, 2012
34. IISc Physics Colloquium, Indian Institute of Sciences, Bangalore, India, 2012
35. ALMA Colloquium, European Southern Observatory, Santiago, Chile, 2012
36. ESO Colloquium, European Southern Observatory, Santiago, Chile, 2012
37. Seminar, European Southern Observatory, Garching, Germany, 2010
38. National Radio Astronomy Observatory colloquium, Green Bank, USA, 2010
39. Seminar, Lawrence Berkeley National Laboratory, Berkeley, USA, 2009
40. Seminar, University of California, Santa Cruz, USA, 2008

41. Seminar, University of Colorado, Boulder, USA, 2008
42. Australia Telescope National Facility Colloquium, Sydney, Australia, 2008
43. Seminar, Institute of Astronomy, University of Cambridge, UK, 2007
44. Department of Astrophysics colloquium, University of Oxford, UK, 2007
45. Arecibo Observatory colloquium, Arecibo, Puerto Rico, 2007
46. Seminar, Caltech, Pasadena, USA, 2007
47. Astrophysics seminar, University of California, San Diego, USA, 2006
48. National Centre for Radio Astrophysics colloquium, Pune, India, 2006
49. ASTRON colloquium, Dwingeloo, the Netherlands, 2006
50. New Mexico Institute of Technology colloquium, Socorro, USA, 2006
51. Australian National University colloquium, Canberra, Australia, 2005
52. European Southern Observatory colloquium, Santiago, Chile, 2005
53. Astrophysics seminar, University of New Mexico, Albuquerque, USA, 2005
54. National Radio Astronomy Observatory colloquium, Socorro, USA, 2005
55. Australia Telescope National Facility colloquium, Sydney, Australia, 2004
56. Kapteyn Institute colloquium, University of Groningen, the Netherlands, 2003
57. Max-Planck Institut für Radioastronomie seminar, Bonn, Germany, 2003
58. Max-Planck Institut für Radioastronomie colloquium, Bonn, Germany, 2003
59. ASTRON colloquium, Dwingeloo, the Netherlands, 2003
60. National Radio Astronomy Observatory colloquium, Green Bank, USA, 2002
61. University of Melbourne colloquium, Melbourne, Australia, 2000
62. Australia Telescope National Facility colloquium, Sydney, Australia, 2000
63. Max-Planck Institut für Astrophysik seminar, Garching, Germany, 1998
64. Seminar, Institute of Astronomy, University of Cambridge, UK, 1998
65. Astrophysics seminar, Imperial College, UK, 1998

10 Refereed publications:

1. *The Gas Accretion Rate of Galaxies over $z \approx 0 - 1.3$,*
A. Chowdhury, **N. Kanekar**, J. N. Chengalur 2023, ApJL, 958, L29.
2. *The Gas Accretion Rate of Star-forming Galaxies over the Last 4 Gyr,*
A. Bera, **N. Kanekar**, J. N. Chengalur, J. S. Bagla 2023, ApJL, 956, L15
3. *Atomic Hydrogen Scaling Relations at $z \approx 0.35$,*
A. Bera, **N. Kanekar**, J. N. Chengalur, J. S. Bagla 2023, ApJL, 950, L10
4. *Atomic Gas Scaling Relations of Star-forming Galaxies at $z \approx 1$,*
A. Chowdhury, **N. Kanekar**, J. N. Chengalur 2022, ApJL, 941, L6.
5. *The HI Mass Function of Star-forming Galaxies at $z \approx 0.35$,*
A. Bera, **N. Kanekar**, J. N. Chengalur, J. S. Bagla 2022, ApJL, 940, L10
6. *The Giant Metrewave Radio Telescope Cold-HI AT $z \approx 1$ Survey,*
A. Chowdhury, **N. Kanekar**, J. N. Chengalur 2022, ApJ, 937, 103.
7. *CO excitation and line energy distributions in gas-selected galaxies,*
A. Klitsch, L. Christensen, F. Valentino, **N. Kanekar** et al. 2022, MNRAS, 514, 2346.
8. *Atomic Gas Dominates the Baryonic Mass of Star-forming Galaxies at $z \approx 1.3$,*
A. Chowdhury, **N. Kanekar**, J. N. Chengalur 2022, ApJL, 935, L5.
9. *A Massive, Dusty, HI Absorption-Selected Galaxy at $z \approx 2.46$ Identified in a CO Emission Survey,*
B. Kaur, **N. Kanekar**, M. Revalski, et al. 2022, ApJ, 934, 87.
10. *Jansky Very Large Array Detections of CO(1-0) Emission in HI-absorption-selected Galaxies at $z \gtrsim 2$,*
B. Kaur, **N. Kanekar**, M. Rafelski, et al. 2022, ApJ, 933, L42.
11. *A Green Pea Starburst Arising from a Galaxy – Galaxy Merger,*
S. Purkayastha, **N. Kanekar**, J. N. Chengalur, S. Malhotra, J. Rhoads, & T. Ghosh, 2022, ApJL, 933, L11.
12. *Insufficient Gas Accretion Caused the Decline in Cosmic Star-formation Activity Eight Billion Years Ago,*
A. Chowdhury, **N. Kanekar**, & J. N. Chengalur, 2022, ApJL, 931, L34.
13. *Redshift evolution of the HI detection rate in radio-loud active galactic nuclei,*
S. Murthy, R. Morganti, **N. Kanekar**, & T. Oosterloo, 2022, A&A, 659, 185.
14. *A fast radio burst progenitor born in a galaxy merger,*
B. Kaur, **N. Kanekar**, & J. X. Prochaska, 2022, ApJL, 925, L20.
15. *A study of submillimeter methanol absorption toward PKS 1830-211: Excitation, invariance of the proton-electron mass ratio, and systematics,*
S. Muller, W. Ubachs, K. M. Menten, C. Henkel & **N. Kanekar**, 2021, A&A, 652, 5.

16. *The Nature of HI-absorption-selected Galaxies at $z \approx 4$,*
B. Kaur, **N. Kanekar**, M. Rafelski, et al. 2021, ApJ, 921, 68
17. *Giant Metrewave Radio Telescope Detection of HI 21 cm Emission from Star-forming Galaxies at $z \approx 1.3$,*
A. Chowdhury, **N. Kanekar**, B. Das, et al. 2021, ApJL, 913, L24
18. *The Atomic Gas Mass of Green Pea galaxies,*
N. Kanekar, T. Ghosh, J. Rhoads, et al. 2021, ApJL, 913, L15
19. *High Molecular Gas Masses in Absorption-selected Galaxies at $z \approx 2$,*
N. Kanekar, J. X. Prochaska, M. Neeleman, et al., 2020, ApJL, 901, L5
20. *HI 21-centimetre Emission from an Ensemble of Galaxies at an average redshift of 1,*
A. Chowdhury, **N. Kanekar**, J. N. Chengalur, et al. 2020, Nature, 586, 369
21. *Giant Metrewave Radio Telescope Detections of Two High-opacity HI 21 cm Absorbers at $z \approx 1.2$,*
A. Chowdhury, **N. Kanekar**, J. N. Chengalur, 2020, ApJL, 900, L30
22. *A cold massive rotating disk galaxy 1.5 billion years after the Big Bang,*
M. Neeleman, J. X. Prochaska, **N. Kanekar**, & M. Rafelski, 2020, Nature, 581, 269
23. *ALMA CII 158 μ m Imaging of an HI-selected Major Merger at $z \sim 4$*
J. X. Prochaska, M. Neeleman, **N. Kanekar**, & M. Rafelski, 2019, ApJL, 886, L35
24. *Atomic Hydrogen in star-forming galaxies at intermediate redshifts*
A. Bera, **N. Kanekar**, J. N. Chengalur & J. S. Bagla, 2019, ApJL, 882, L7
25. *Linking gas and galaxies at high redshift: MUSE surveys the environments of six damped Lyman- α systems at $z \sim 3$*
R. Mackenzie, M. Fumagalli, T. Theuns, D. J. Hatton, T. Garel, S. Cantalupo, L. Christensen, J. P. U. Fynbo, **N. Kanekar**, et al. 2019, MNRAS, 487, 5070
26. *The host galaxy of GRB 980425/SN1998bw: a collisional ring galaxy*
M. Arabsalmani, S. Roychowdhury, T. K. Starkenburg, L. Christensen, E. Le Floc'h, **N. Kanekar**, F. Bournaud, et al., 2019, MNRAS, 485, 5411
27. *HI 21cm mapping of the host galaxy of AT2018cow: a fast-evolving luminous transient within a ring of high column density gas*
S. Roychowdhury, M. Arabsalmani & **N. Kanekar**, 2019, MNRAS, 485, L93
28. *CII 158 μ m Emission from $z \sim 4$ HI Absorption-selected Galaxies*
M. Neeleman, **N. Kanekar**, J. X. Prochaska, M. Rafelski & C. L. Carilli, 2019, ApJL, 870, L19
29. *Detection of the Galactic warm neutral medium in HI 21-cm absorption*
N. N. Patra, **N. Kanekar**, J. N. Chengalur, N. Roy, 2019, MNRAS, 479, L7

30. *Statistical properties of Faraday rotation measure in external galaxies - I. Intervening disc galaxies*
A. Basu, S. A. Mao, A. Fletcher, **N. Kanekar**, A. Shukurov, et al., 2018, MNRAS, 477, 2528
31. *Massive, Absorption-selected Galaxies at Intermediate Redshifts*
N. Kanekar, J. X. Prochaska, L. Christensen, et al., 2018, ApJL, 856, L23
32. *Molecular Emission from a Galaxy Associated with a $z \approx 2.2$ Damped Ly α Absorber*
M. Neeleman, **N. Kanekar**, J. X. Prochaska, et al., 2018, ApJL, 856, L12
33. *ALMA observations of a metal-rich damped Ly α absorber at $z = 2.5832$: evidence for strong galactic winds in a galaxy group*
J. P. U. Fynbo, K. E. Heintz, M. Neeleman, L. Christensen, M. Dessauges-Zavadsky, **N. Kanekar**, et al., 2018, MNRAS, 479, 2126
34. *Probing Star Formation in Galaxies at $z \sim 1$ via a Giant Metrewave Radio Telescope Stacking Analysis*
A. Bera, **N. Kanekar**, B. Weiner, S. Sethi, & K. S. Dwarakanath, 2018, ApJ, 865, 39
35. *ALMA Observations of Molecular Absorption in the Gravitational Lens PMN 0134-0931 at $z = 0.7645$*
T. Wiklind, F. Combes & **N. Kanekar**, 2018, ApJ, 864, 73
36. *A Giant Metrewave Radio Telescope search for associated H I 21cm absorption in the Caltech-Jodrell flat spectrum sample*
J. N. H. S. Aditya, **N. Kanekar**, 2018, MNRAS, 481, 1578
37. *ALMA + VLT observations of a damped Lyman- α absorbing galaxy: massive, wide CO emission, gas-rich but with very low SFR*
P. Möller, L. Christensen, M. A. Zwaan, **N. Kanekar**, et al., 2018, MNRAS, 474, 4039
38. *Stringent constraints on fundamental constant evolution using conjugate 18 cm satellite OH lines*
N. Kanekar, T. Ghosh, & J. N. Chengalur, 2018, Phys. Rev. Lett., 120, 061302
39. *The gas and stellar mass of low-redshift damped Lyman- α absorbers*
N. Kanekar et al., 2018, MNRAS, 473, L54
40. *A Giant Metrewave Radio Telescope search for associated H I 21cm absorption in GHz-peaked-spectrum sources*
J. N. H. S. Aditya, **N. Kanekar**, 2018, MNRAS, 473, 59
41. *Giant Metrewave Radio Telescope Monitoring of the Black Hole X-Ray Binary, V404 Cygni, during its 2015 June Outburst*
P. Chandra, **N. Kanekar**, 2017, ApJ, 846, 111
42. *[C II] 158- μm emission from the host galaxies of damped Lyman-alpha systems*
M. Neeleman, **N. Kanekar**, J. X. Prochaska, M. Rafelski, C. L. Carilli, A. M. Wolfe, 2017, Science, 355, 1285

43. *Giant Metrewave Radio Telescope detection of associated HI 21-cm absorption at $z = 1.2230$ towards TXS 1954+513*
J. N. H. S. Aditya, **N. Kanekar**, J. X. Prochaska, B. Day, P. Lynam, J. Cruz, 2017, MNRAS, 465, 5011
44. *First Connection between Cold Gas in Emission and Absorption: CO Emission from a Galaxy-Quasar Pair*
M. Neeleman, J. X. Prochaska, M. A. Zwaan, **N. Kanekar**, L. Christensen, M. Dessauges-Zavadsky, J. P. U. Fynbo, E. van Kampen, P. Moller, T. Zafar 2016, ApJL, 820, L39
45. *Invisible Active Galactic Nuclei. II. Radio Morphologies and Five New HI 21cm Absorption Line Detectors*
T. Yan, J. T. Stocke, J. Darling, E. Momjian, S. Sharma, **N. Kanekar** 2016, AJ, 151, 74
46. *A Giant Metrewave Radio Telescope search for associated HI 21cm absorption in high-redshift flat-spectrum sources*
J. N. H. S. Aditya, **N. Kanekar**, S. Kurapati 2016, MNRAS, 455, 4000
47. *The Gas Mass of Star-forming Galaxies at $z \approx 1.3$*
N. Kanekar, S. Sethi, K. S. Dwarakanath 2016, ApJL, 818, L28
48. *The HI Content of the Universe Over the Past 10 Gyrs*
M. Neeleman, J. X. Prochaska, J. Ribaud, N. Lehner, J. C. Howk, M. Rafelski, **N. Kanekar** 2016, ApJ, 818, 113
49. *First measurement of HI 21 cm emission from a GRB host galaxy indicates a post-merger system*
M. Arabsalmani, S. Roychowdhury, M. A. Zwaan, **N. Kanekar**, M. Michalowski 2015, MNRAS, 454, L51
50. *HI 21cm emission from the subdamped Lyman- α absorber at $z = 0.0063$ towards PG 1216+069*
J. N. Chengalur, T. Ghosh, C. J. Salter, **N. Kanekar**, E. Momjian, B. A. Keeney, J. T. Stocke 2015, MNRAS, 353, 3135
51. *A New Constraint on the Molecular Oxygen Abundance at $z \sim 0.886$*
N. Kanekar, D. S. Meier 2015, ApJL, 811, L23
52. *On Detecting Millisecond Pulsars at the Galactic Center*
J-P. Macquart, **N. Kanekar** 2015, ApJ, 805, 172
53. *A search for H α emission in high-metallicity damped Lyman α systems at $z \sim 2.4$*
W-H. Wang, **N. Kanekar**, J. X. Prochaska 2015, MNRAS, 448, 2832
54. *Constraints on changes in the proton-electron mass ratio using methanol lines*
N. Kanekar et al. 2015, MNRAS, 448, L104
55. *Directly imaging damped Ly α galaxies at $z > 2$ – III. The star formation rates of neutral gas reservoirs at $z \sim 2.7$*
M. Fumagalli, J. M. O’Meara, J. X. Prochaska, M. Rafelski, **N. Kanekar** 2015, MNRAS, 446, 3178

56. *Giant Metrewave Radio Telescope Detection of Two New HI 21cm Absorbers at $z \approx 2$*
N. Kanekar 2014, ApJL, 797, L20
57. *Directly imaging damped Ly α galaxies at $z > 2$ – II. Imaging and spectroscopic observations of 32 quasar fields*
M. Fumagalli, J. M. O’Meara, J. X. Prochaska, N. Kanekar, A. M. Wolfe 2014, MNRAS, 444, 1282
58. *Constraints on the gas mass of low- z damped Lyman α systems*
P. Mazumdar, N. Kanekar, J. X. Prochaska 2014, MNRAS, 443, L29
59. *The spin temperature of high-redshift damped Lyman α systems*
N. Kanekar et al. 2014, MNRAS, 438, 2131
60. *A Blind Green Bank Telescope Millimeter-wave Survey for Redshifted Molecular Absorption*
N. Kanekar, A. Gupta, C. L. Carilli, J. T. Stocke, K. W. Willett 2014, ApJ, 782, 56
61. *The temperature of the diffuse HI in the Milky Way - II. Gaussian decomposition of the HI-21 cm absorption spectra*
N. Roy, N. Kanekar, J. N. Chengalur 2013, MNRAS, 436, 2366
62. *The temperature of the diffuse HI in the Milky Way - I. High resolution HI-21 cm absorption studies*
N. Roy, N. Kanekar, R. Braun, J. N. Chengalur 2013, MNRAS, 436, 2352
63. *Accurate measurement of the HI column density from HI 21cm absorption-emission spectroscopy*
J. N. Chengalur, N. Kanekar, N. Roy 2013, MNRAS, 432, 3074
64. *A Search for CII-158 μm Line Emission in HCM6A, a Ly α Emitter at $z = 6.56$*
N. Kanekar, J. Wagg, R. R. Chary, C. L. Carilli 2013, ApJL, 771, L20
65. *A search for HI 21 cm absorption towards a radio-selected quasar sample - II. A new low spin temperature DLA at high redshift*
N. Kanekar, S. L. Ellison, E. Momjian, B. A. York, M. Pettini 2013, MNRAS, 428, 532
66. *HI content, metallicities and spin temperatures of damped and sub-damped Ly α systems in the redshift desert ($0.6 < z_{\text{abs}} < 1.7$)*
S. L. Ellison, N. Kanekar, J. X. Prochaska, E. Momjian, G. Worseck 2012, MNRAS, 424, 293
67. *A Deep Search for CO $J = 2-1$ Emission from a Ly α Blob at $z \sim 6.595$*
J. Wagg, N. Kanekar 2012, ApJL, 751, L24
68. *Constraining Fundamental Constant Evolution with HI and OH Lines*
N. Kanekar, G. I. Langston, J. T. Stocke, C. L. Carilli, K. M. Menten 2012, ApJL, 746, L16
69. *An HI Column Density Threshold for Cold Gas Formation in the Galaxy*
N. Kanekar, R. Braun, N. Roy 2011, ApJL, 737, L33

70. *Constraining Changes in the Proton-Electron Mass Ratio with Inversion and Rotational Lines*
N. Kanekar 2011, ApJ, 728, L12
71. *A High-Velocity Narrow Absorption Line Outflow in the Quasar J212329.46-005052.9*
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