**Shashi M. Kanbur** *Curriculum Vitae*

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**Personal Information:**

US, UK Citizenship – Languages: English, Hindi, Kannada, Marathi (Fluent), Portuguese, French, Spanish, German (adequate)

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**Education:**

* 1989 Ph.D. (Astrophysics) University of London
* 1983-1985 M.S. (Mathematical Statistics) Stanford University
* 1982-1983 Dip. Math. Stats. University of Cambridge
* 1979-1982 B.Sc. (Mathematics and Astronomy, **First Class 4.0 GPA**)

 University of London

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**Appointments:**

* 2013-current Full Professor of Physics SUNY Oswego
* 2008-2013 Associate Professor of Physics SUNY Oswego
* 2005-2008 Assistant Professor of Physics SUNY Oswego
* 1998-2005 Research Assistant Professor University of Massachusetts

 at Amherst

* 1993-1998 STARLINK Computer Manager and Research Fellow University

 of Glasgow, Scotland

* 1991-1993 Post-Doctoral Research Fellow University of Nebraska
* 1990-1991 Royal Society European Exchange Fellow University Sternwarte

 Munich, Germany

* 1987-1989 Computer Programmer Computer Center, University College

 London, UK

**Appointments at SUNY Oswego**

* 2014-2020 **Physics Department Chair**
* 2010-2012 **Faculty Fellow in the SUNY Oswego President’s Office**
	+ - Duties included coordinating external grants, the Possibility
		- Scholarship and Global Laboratory
* 2009-2016 **Global Laboratory Director** – coordinating and running the SUNY

 Oswego Global Laboratory: sent ~200 students to summer

 Research projects at research institutions in Brazil, Switzerland,

 Germany, Hungary, Democratic Republic of Congo, India, Taiwan

**Scientific Visits**

* June 2007: Federal University of Paraiba, Brazil
* January 2014: IUSSTF/American Physical Society Visiting Professorship

 at the Department of Physics and Astrophysics, University

of Delhi

* July 2016: Scientific Visitor, European Southern Observatory, Munich

 Germany

* July 2019: Scientific Visitor, Stellar Astrophysics Center, Aarhus University

Denmark

* January 2014-current: Numerous visits to Inter-University Center for

Astronomy and Astrophysics, Pune and Delhi University

* June-August 2020: Visits to European Southern Observatory, Munich

Germany, Konkoly Observatory, Hungary, Naples Observatory,

Italy, Stellar Astrophysics Center, Aarhus University

 Denmark postponed because of Covid-19

**Courses Taught: 3 courses/semester (2005-2020)**

PHY 115, PHY 195, PHY 111/111L, 212/212L, PHY 112/213. PHY 313, PHY 314, PHY 322, PHY 437, PHY 439, PHY 469, PHY 499, PHY 205

 AST 100, AST 310, AST 311, AST 350, AST 405

 HON 300

**Developed Courses:**

 PHY 115, PHY 437, AST 405

 Average Student Evaluation: Always above 3/5 per semester over the last 15 years

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**Awarded Grants and Fellowships at SUNY Oswego:**

* 2018-current Indo-US Science and Technology Forum US PI ~100,000 USD
* 2015-2017 Indo-US Science and Technology Forum US PI ~100,000 USD
* 2008-2013 Bronze, Silver and Gold Awards of the Office of Research and Sponsored Programs, SUNY Oswego
* 2010-2015 National Science Foundation STEP Grant, Co-PI ~600,000 USD
* 2009-2014 National Science Foundation S-STEM Grant PI ~600,000 USD
* 2011-2013 National Science Foundation IRES Grant PI ~130,000 USD
* 2009-2011 National Science Foundation IRES Grant PI ~130,000 USD
* 2008 - Chretien Award of the American Astronomical Society ~20,000 USD
* 2008 -Entergy: Development of Planetarium Shows ~2,000 USD
* Numerous SUNY Oswego SCAC Awards ~25,000 USD
* 2008 - SUNY Oswego Provost’s Award for Scholarly Activity

**Before 2005:**

* Hubble Space Telescope/NASA Cycle 10 Award: A recalibration of the Cepheid and Supernovae type II Distance Scales Grant PI ~60,000 USD
* Hubble Space Telescope/NASA Cycle 9 Award: A recalibration of the Cepheid Distance Scale Using PL relations at maximum light PI ~40,000 USD
* Hubble Space Telescope/NASA Cycle 9 Education and Public

Outreach Award: Leading Children into Scientific Curiosity Grant P~10,000 USD

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**Professional Service:**

Peer reviewer for papers and grants for NASA, NSF, Astrophysical Journal,

 Astronomy and Astrophysics, Monthly Notices of the Royal Astronomical Society.

 Organized and hosted the Astronomical Society of New York Regional Meeting in

 2014

 Developed and Administered the the SUNY Oswego Global Laboratory

 (2011-2016) Organized the SUNY Oswego Global Lab Conference 2013

 Physics program reviewer for SUNY Potsdam

 Physics peer reviewer for the American Journal of Undergraduate Research till 2020

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**Publication Summary:**

* 78 publications in the leading peer reviewed journals, 49 whilst at SUNY Oswego
* Over 1900 citations. H index of 24
* 1 paper currently under peer review
* 2 papers in preparation
* 9 papers in peer reviewed journals with 15 Oswego undergraduates
* 13 papers with 19 undergraduates overall
* 49 presentations (invited, contributed, poster) at International Conferences and

 Workshops after 2005, many with Oswego undergraduates. Over 50

 Presentations, many with Oswego students at regional/local conferences

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**Seminars:**

**US:** Caltech, Harvard, Yale, University of Florida, University of Massachusetts,

Ohio State, RIT, University of Michigan, University of Illinois, RIT, University of Nebraska, University of Florida.

**Europe:** Konkoly Observatory Hungary, Naples Observatory (Italy), University of

 Geneva (Switzerland), European Southern Observatory (Germany and

Chile), University of Glasgow, London (UK), Max Planck Institute for Solar System Studies (Heidelberg, Germany), University of Vienna (Austria).

**Asia:** Delhi University (India), Inter-University Center for Astronomy and

 Astrophysics (Pune, India), Indian Statistical Institute Calcutta (India),

 Indian Institute for Astrophysics Bangalore (India), Tata Institute for

Fundamental Physics (Mumbai, India), National Central University (Taiwan)

**Australasia:** University of Sydney

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**Students Supervised: PhD level**

* **Chow Choong Ngeow**, 2005 (University of Massachusetts), currently a Faculty member at National Central University, Taiwan
* **Anupam Bhardwaj**, 2017 (University of Delhi), currently a Post-Doctoral fellow at Beijing University China
* **Sushmita Das**, 2021 (University of Delhi), in process of submission.

**Current undergraduate students:**

* AJ Chalmers and Nicholas Proietti working on pulsation calculations with MESA/RSP
* More than 50 students mentored in projects in Astrophysics

**Notable Former Students from SUNY Oswego and Ithaca College**

* **Kenny Roffo** Software Engineer at Jet Propulsion Laboratory

(NASA/Caltech)

* **Chris Wells** Software Engineer at Jet Propulsion Laboratory

(NASA/Caltech)

* **Greg Feiden** Assistant Professor of Astronomy at the University of

North Georgia

* **Dan Crain** Engineer at Intel
* **Jillian Neeley** Post-Doctoral Research Fellow at University of Florida
* **Earl Bellinger** Post-Doctoral Research Associate at the Stellar

Stellar Astrophysics Center, Aarhus, Denmark

* **Daniel Wysocki** Post-Doctoral Research Associate at the University of

Wisconsin-Milwaukee

**Refereed Publications**

1. Bellinger, E., Das, S., Kanbur S., Bhardwaj, A., Singh, H., 2020 (under preparation): “Fundamental Parameters of BL Her Stars from Machine Learning Methods.”
2. Das, S., Kanbur, S., Smolec, R., Bhardwaj, A., Singh, H.P., 2020 (under preparation): “Non-Linear Models of BL Her Stars.”
3. Das, S., Kanbur, S., Smolec, R., Bhadrwaj, A., Rekjuba, M., Singh, H. P. 2020 in review: “A Theoretical Framework for BL Her Stars I: Effect of Metallicity and Convection parameters on Period-Luminosity and Period-Radius Relations, 2020, MNRAS (under review).
4. Bhardwaj, A., Rekjuba, M., de Gris, R., Herczeg, G., Singh, H., Kanbur, S., MNRAS (in press), “Near-Infrared Census of RR Lyraes in the Messier 3 Globular Cluster and the Period-Luminosity Relations.”
5. Das, S., Kanbur, S. M., Bhardwaj, A., Bellinger, E., Proietti, N., Meerdink, B., Mammone, R., Chalmers, A., 2020, MNRAS, 493, 29: “The Stellar Photosphere-Hydrogen Ionization Front interaction in Classical Pulsators: a theoretical explanation for observed Period-Color Relations.”
6. Bellinger, E., Kanbur, S. M., Bhardwaj, A., Marconi, M., 2020, MNRAS, 491, 475: “When a Period is Not a Full Stop: Light Curve Structure Reveals Fundamental Properties of Cepheid and RR Lyrae Stars.”
7. Bhardwaj, A., Kanbur, S. M., He Shiyuan et at, 2019, ApJ, 884, 20B: Multiwavelength Period-Luminosity and Period-Luminosity-Color relations at maximum light for Mira variables in the Magellanic Clouds.”
8. Deb, S., Kerdaris, K., Singh, H., Kanbur, S., Ngeow, C., Mehdi J., Kumar, S., 2019, MNRAS, 489, 3725, “Morphology of the Small Magellanic Cloud using multi-wavelength photometry of classical Cepheids.”
9. Paxton, B., Smolec, R., Schwab, J., Gautschy, A., Bildsten, L., CantielJo, M., Dotter, A., Farmer, R, Goldberg, J., Jermyn, A., Kanbur, S.M., Marchant, P., Thoul, A., Townsend, R., Wolf, W., Zhang, M., Timmes, F., 2019, ApJS, 243, 10S
10. Das, S., Bhardwaj, A., Kanbur, S., Singh, H., Marconi, M., 2018, MNRAS, 481, 2000: “On the Variation of RR Light Curve Parameters at Multiple Wavelengths
11. Deb, S., Ngeow, C., Kanbur, S., Singh, H., Wysocki, D., Kumar, S„ 2018, MNRAS, 478, 2526: Geometry of the Large Magellanic Cloud using multi-wavelength photometry of classical Cepheids.
12. Kanbur, S. M., 2018, BASPC, 51S, 189: “The Role of Opacities in Stellar Pulsation.”
13. Yuan W., Macri, L., He Shiyuan, Huang, J., Kanbur, S. M., Ngeow, C., 2017, AJ, 154, 149, Large Magellanic Cloud Near-Infrared Synoptic Survey V: “Period-Luminosity Relations of Miras.”
14. Bhardwaj, A., Rejkuba, M., Minniti, D., Surot, F., Valenti, E., Zoccali, M., Gonzalez, 0., Romaniello, M., Kanbur, S., Singh, H., 2017, A+A„ 605,100: ”Galactic Bulge Population II Cepheids in the VVV Survey: Period-Luminosity Relations and a distance to the Galactic Center.”
15. LSST collaboration (including Kanbur, S.M.) 2017 arxiv170804058L:”Science-Driven Optimization of the LSST Observing Strategy.”
16. Bhardwaj, A., Kanbur, S. M., Marconi, M., Rejkuba, M., Singh, H„ Ngeow, C., 2017, MNRAS,466 2805:” A comparative Study of multi-wavelength theoretical and observed light curves of Cepheid variables.”
17. Bhardwaj, A., Macri, L., Rejkuba, M, Kanbur, S., Ngeow, C., Singh, H., 2017, AJ, 153,154: “Large Magellanic Cloud Near-Infrared Synoptic Survey IV: Leavitt Laws for type 11 Cepheid variables.”
18. Ngeow, C., Kanbur, S., Bhardwaj, A., Schrecengost, Z., Singh, H., 2017, ApJ, 834, 160: “Period-Color and Amplitude-Color Relations for RR Lyrae Stars in the SDSS Stripe 82 Region.”
19. Bhardwaj, A., Ngeow, C., Kanbur, S.M., Singh, H., 2016, MNRAS, 458, 3705: “Period -Luminosity relations derived from OGLE\_III first-overtone mode Cepheids in the Magellanic Clouds.”
20. Bhardwaj, A., Kanbur, S., Macri, L., Singh, H., Ngeow, C., lshida, E., 2016, MNRAS, 457, 1644: “Large Magellanic Cloud Near-lnfrared Synoptic Survey Ill; A Statistical Study of non-linearity in the Leavitt laws.”
21. Bhardwaj, A., Kanbur, S., Macri, L., Singh, H., Ngeow, C„ Wagner, R., Sarajedeni, A., 2016, AJ, 151, 88: “Large Magellanic Cloud Near-Infrared Synoptic Survey II: The Wesenheit Relations and their Application to the Distance Scale.”
22. Macri, L., Ngeow, C., Kanbur, S., Mahzooni, S., Smitka, M., 2016, AJ, “Erratum: Large Magellanic- Cloud Near-Infrared Synoptic Survey. I. Cepheid Variables and the Calibration of the Leavitt Law.”
23. Nanthakumar, A., Kanbur, S.M., Wilson, E., 2015, International Journal of Statistics and Probablity, 4, 3: “On the Detection of Heteroscedasticity by using CUMSUM Range Distribution.”
24. Ngeow, C., Sarkar, S., Bhardwaj, A., Kanbur, S., Singh, H., 2015, ApJ, 813, 57: “Updated 24mm Period-Luminosity Relation derived from Galactic Cepheids.”

1. Ngeow, C., Kanbur, S., ApJ, 808, 67: “Period-Luminosity Relations derived from the OGLE-III Fundamental Mode Cepheids II: The Small Magellanic Cloud Cepheids”
2. Deb, S., Singh, H., Kumar, S., Kanbur, S., 2015, MNRAS, 449, 2768: “Morphology and metallicity of the Small Magellanic Cloud using RR Lyrae stars.”
3. Macri, L., Ngeow, C., Kanbur, S., Mahzooni, S., Smitka, M., 2015, AJ, 149,117:”Large Magellanic Cloud Near-Infrared Survey I. Cepheid Variables and the Calibration of the Leavitt Law.”
4. Bhardwaj, A., Kanbur, S.,M., Singh, H. P., Macri, L., Ngeow, C., 2015, MNRAS, 447, 3342:”On the Variation of Fourier parameters for Galactic and LMC Cepheids at Optical, Near-Infrared and Mid-Infrared Wavelengths.”
5. Moskalik, P., Smolec, R., Kolenberg, K., Molnar, L., Kurtz, D, Szabo, R., Benko, J., Nemec, J., Chadid, M., Guggenberger, E., Ngeow, C., Jeon, Y., Kopacki, G., Kanbur, S.M., 2015, MNRAS, 447, 2348:” Kepler Photometry of RRc Stars: peculiar double-mode pulsations and period doubling.”
6. Ngeow, C., Lee, C., Yang, M., Lin, C., Hsiao, H., Cheng, Y., Lin, Z., Lin, I., Kanbur, S. M., 2015, AJ, 149, 66N, “VI Band Follow-Up Observations of Ultra-Long Period Cepheid Candidates in M31.”
7. Bhardwaj, A., Kanbur, S., Singh, H., Ngeow, C., 2014, MNRAS, 445, 2655: “Empirical Period-Color and Amplitude-Color Relations for Classical Cepheids and RR Lyrae variables.”
8. Ngeow, C., Kanbur, S., Bellinger, E., Marconi, M., Musella, I., Cignoni, M., Lin, Y., 2012, Ap&SS, 341, 105:” Period-Luminosity Relations for Cepheid Variables: from mid-infrared to multi-phase.”

1. Ngeow, C., Citro, D., Kanbur, S., 2012, MNRAS, 420, 585: “Period-Luminosity Relations for Small Magellanic Cloud Cepheids based on AKARI archival data.”
2. Nanthakumar, A., Kanbur, S. M., Ngeow, C., Marsh, A., 2010, Journal of Statistics and Applications, 5(3-4), 241: “A Comparison of Testimation and Schwarz Information Criterion for Heteroskedasticity,”

1. Ngeow, C., Ita, Y., Kanbur, S., 2010, MNRAS, 408, 983: “Cepheid Period-Luminosity Relations from AKARI Observations.”

1. Kanbur, S.M., Marconi, M., Ngeow, C., Musella, I., Turner, M., James, A., Magin, S., Halsey, J., 2010, MNRAS, 408, 695:” Period-Color and Amplitude-Color Relations in Classical Cepheid Variables: VI: New Challenges for Pulsation Models.”

1. Reyner, S., Kanbur, S., Ngeow, C., Morgan, C., 2010, MNRAS, 407, 1801: “Approximating RR Lyrae Light Curves Using Cubic Polynomials.”

1. Ngeow, C., Kanbur, S., 2010, ApJ, 720, 626: “The Mid-Infrared Period-Luminosity Relations for Small Magellanic Cloud Cepheids Derived from Spitzer Archival Data.”
2. Neilson, H., Ngeow, C, Kanbur, S., 2010, ApJ, 716, 1136:” Testing Mass Loss in Large Magellanic Cloud Cepheids using Infrared and Optical Observations II: Predictions and Tests of the OGLE-III Fundamental Mode Cepheids.”
3. Ngeow, C., Kanbur, S., Nielson, H., 2009, ApJ., 693, 691: “Period-Luminosity Relations derived from OGLE-III Fundamental Mode Cepheids.”
4. Nanthakumar, A., Kanbur, S. M., Ngeow, C., 2009, Journal of Statistical Theory and Practice, 3(4), 803: “On the Near Equivalence of the Testimation and Schwarz Information Criterion (SIC) to Study Cepheid Period-Luminosity Relation.”

1. Nielson, H., Ngeow, C., Kanbur, S., 2009, ApJ, 692, 81: “Testing Mass-Loss in Large Magellanic Cloud Cepheids using Infrared and Optical Observations.”
2. Ngeow, C., Kanbur, S., 2008, ApJ, 679, 76N: “The Period-Luminosity Relation for the Large Magellanic Cloud Cepheids derived from Spitzer Archival Data.”

1. Ngeow, C., Kanbur, S., Nanthakumar, A., 2008, A&A, 477, 621:” Testing the Non-Linearity of the BVIcJHK Period-Luminosity Relations for the Large Magellanic Cloud Cepheids.”
2. Koen, C., Kanbur, S., Ngeow, C., 2007, MNRAS, 380, 1440: “The Detailed Forms of the LMC Cepheid PL and PLC Relations.”

1. Kanbur, S., Ngeow, C., Feiden, G., 2007, MNRAS, 380, 819: “Period-Color and Amplitude Color Relations in Classical Cepheid variables – V. The Small Magellanic Cloud Cepheid Models.”
2. Ngeow, C., Kanbur, S., 2007, ApJ, 667, 35: “Semi-empirical Cepheid Period-Luminosity Relations in Sloan Magnitudes.”
3. Kanbur, S., Ngeow, C., Nanthakumar, A., Stevens, R., 2007, PASP, 119, 512: “Investigations of the Nonlinear LMC Period-Luminosity Relation with Testimator and Schwarz Information Criteria Methods.”

1. Ngeow, C., Kanbur. S., 2006, ApJ, 650, 180:” Non-Linear Period-Luminosity Relation for the Large Magellanic Cloud Cepheids: Myths and Truths.”

1. Ngeow, C., Kanbur, S. M., 2006, MNRAS, 369, 723: “Period-Color and Amplitude-Color Relations in Classical Cepheid Variables – IV: The Multiphase Relations.”

1. Kanbur, S. M., Ngeow, C., 2006, MNRAS, 369, 705: “Period-Color and Amplitude-Color Relations in Classical Cepheid variables III – The Large Magellanic Cloud Cepheid Models.”

1. Ngeow, C., Kanbur, S. M., 2006, ApJ, 642L, 29:” The Hubble Constant from Type Ia Supernovae Calibrated with Linear and Nonlinear Cepheid Period-Luminosity Relations.”

1. Ngeow, C., Kanbur, S. M., Nikolaev, S., Buonacorsi, J., Cook, K., Welch, D., 2005, MNRAS, 363, 831: “Further Empirical Evidence for the nonlinearity of the Period-Luminosity Relation as seen in the Large Magellanic Cloud Cepheids.”

1. Tanvir, N., Hendry, M. A., Watkins, A., Kanbur, S. M., Berdnikov, L., Ngeow, C., MNRAS, 2005, 363, 749: “Determination of Cepheid Parameters by Light-Curve Template Fitting.
2. Ngeow, C., Kanbur, S. M., 2005, MNRAS, 360L, 1033: “The Linearity of the Wesenheit Function for the Large Magellanic Cloud Cepheids.”

1. Kanbur, S., Fernando, I., 2005, MNRAS, 359L, 15:” Period-Color and Amplitude-Color relations for MACHO Project Large Magellanic Cloud RR Lyrae Stars.”

1. Kanbur, S., Mariani, H., 2004, MNRAS, 355, 1361: “Principal Component Analysis of RR Lyrae light curves.”

1. Kanbur, S., Ngeow, C., Buchler R., 2004, MNRAS, 354, 212: “Period-Color and Amplitude-Color relations in Classical Cepheid Variables- II: The Galactic Cepheid Models.”

1. Kanbur S., Ngeow, C., 2004, MNRAS, 350, 962: “Period-Color and Amplitude-Color relations in Classical Cepheid variables.”

1. Ngeow, C., Kanbur, S., 2004, MNRAS, 349, 1130, “Period-Luminosity Relations for Galactic Cepheid Variables with Independent Distance Measurements.”

1. Nikolaev, S., Drakae, A. J., Keller, S., Cook, K., Dalal, N, Griest, K., Welch, D., Kanbur, S. M., 2004, ApJ, 601, 260: “Geometry of the Large Magellanic Cloud Disk: results from MACHO and the Two Micron All Sky Survey.”

1. Leonard, D., Kanbur, S., Ngeow, C., Tanvir, N., 2003, ApJ, 594, 247: “The Cepheid Distance to NGC 1637: A Direct Test of the Expanding Photosphere Method Distance to SN 1999em.”

1. Ngeow, C. Kanbur, S. M., Nikolaev, S., Tanvir, N., Hendry, M., 2003, ApJ, 586, 959:” Re- constructing a Cepheid Light Curve with Fourier Techniques I:The Fourier Expansion and Interrelations.”
2. Kanbur, S. M., Iono, D., Tanvir, N., Hendry, M., 2002, MNRAS: “On the use of Principal Component Analysis in analyzing Cepheid Light Curves.”

1. Kovacs, G., Kanbur, S. M., 1998, MNRAS, 295, 834: “Modelling RR Lyrae pulsation: Mission (Im)possible?”

1. Kanbur, S. M., Hendry, M., Clarke, D., 1997, MNRAS, “Period-Luminosity and Period-Luminosity-Color Relations for Mira Variables at maximum light.”

1. Antonello, E., Kanbur, S., 1997, MNRAS, 286L, 33: “The characteristics of second-overtone mode Cepheids predicted by non-linear pulsation models.”

1. Antonello, E., Carcano, P., Kanbur, S., 1997, A&A, 391, 863: “On the Masses and Luminosities of double-mode Cepheids.”
2. Kanbur, S., M., Phillips, P., 1996, A&A, 314, 514:” RR Lyraes and Cepheids at minimum and maximum Light.”
3. Antonello, E., Kanbur, S., McArthur, G. K., 1996, A&A, 309, 144: “The problem of the pulsation of the Cepheid CO Aurigae.”

1. Kanbur, S. M., Hendry, M. A., 1996, A&A, 305, 1: “On Improved Cepheid Distance Estimators.”

1. Simon, N. R., Kanbur, S. M., 1995, ApJ, 451, 703: “Long Period Cepheids: Models and Observations.”

1. Kanbur, S. M., 1995, A&A 297L, 91: “The outer envelopes of RR Lyraes and Cepheids.”

1. Simon, N., Kanbur, S. M., 1994, ApJ, 429, 772: “Opacity, Metallicity and Cepheid Period Ratios in the Galaxy and Magellanic Clouds.”

1. Kanbur, S.M., Simon, N. R., 1994, ApJ, 420, 880: “Comparative Pulsation Calculations with OP and OPAL Opacities.”

1. Simon, N. R., Kanbur, S. M., Mihalas, D., 1993, ApJ, 414, 314: “On Cepheids at Maximum and Minimum Light.”

1. Kanbur, S. M., 1992, 259, 175: “Equations of State and Bump Cepheids -II – Non-Linear results.”

1. Kanbur, S.M., 1991, A&A, 250, 395: “Equations of State and Bump Cepheids- I Linear results.”

**Publications in International Conferences/Workshops up to 2005.**

1. Singh, H., Das, S., Bhardwaj, A., Marconi, M., 2019, BSRSL, 88, 95S: “Light Curve Parameters of Cepheid and RR Lyrae Variables at Multiple Wavelengths – Models and Observations.”
2. Bhardwaj, A., Kanbur, S.., Marconi, M., Singh, H., Rejkuba, M., Ngeow, C., 2019, AUS339287B: “Multi-wavelength Light Curve Analysis of Cepheid Variables.”
3. Bhardwaj, A., Macri, L., Kanbur, S., Ngeow, C., Singh, H., 2019, 339,283B:” Near Infrared Observations of OGLE Classical and Type II Cepheid Variables in the LMC.”
4. Gebhardt, P., Schrimpf, A., Dersch, C., Spasovic, M., Bringmann, L., Singh, H., Gupta, R., Kanbur S., 2019, MxAC5144G: “U-SmART: Small Aperture Robotic Telescopes for Universities.”
5. Bhardwaj, A., Marconi, M., Kanbur, S., Bellinger, E., Singh, H. P., 2018, 2018gbx: “Predicting Physical Parameters of Cepheid and RR Lyrae Variables.”
6. Ngeow, C., Bhardwaj, A., Macri, L., Kanbur, S.M., 2018, 2018ASPC.514…31N:” Large Magellanic Cloud Near-Infrared Synoptic Survey (LMCNISS): Overview and Science Highlights for Classical and Type-II Cepheids.”
7. Bhardwaj, A., Kanbur, S., Marconi, M., Das, S., Bellinger, E., Singh, H., Rejkuba, M., Ngeow, C., 2018, IUAS347: “Time-Series Analysis of Cepheid and RR Lyrae Variables in wide-field variability surveys.”
8. Ngeow, C., Bhardwaj, A., Kanbur, S., 2018, 2018IAUS…330…337N:” G-Band Period-Luminosity for Galactic Cepheids Based on Gaia DR1 Measurements.”
9. Molnar, L., Plachy, E., Klagivyik, P., Juhasz, A., Szabo, R., D’alessandro, Z., Kratz, B., Ortega, J., Kanbur, S., 2017, 2017EPJWC:” The additional-mode garden of RR Lyraes.”
10. Bhardwaj, A., Kanbur, S., Marconi, M., Rejkuba, M., Singh, H., Ngeow, C., 2017, 2017EPJWC1520101B:” Multiwavelength Light Curve Parameters of Cepheid Variables.”
11. Yuan, W., Macri, L., He, S., Long, J., Huang, J., Ngeow, C., Kanbur, S., 2017, 2017AAS22943318Y:” Mira Period-Luminosity Relations at Near-Infrared.”
12. Ngeow, C., Kanbur, S. M., 2016, 2016JPhCS728g2024N:” Comparison of multi-band Period-Luminosity Relations for Classical Cepheids in the Magellanic Clouds.”
13. Ngeow, C., Kanbur, S>, Bhardwaj, A., 2016, 2016CoKon, 105.211N:” RR Lyrae stars in the SDSS Stripe 82 Region: Period-Color and Amplitude Color Relations.”
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 **Regional Conferences/Workshops**

2005-2009: **~**50 presentations at regional conferences/workshops such as the

 Rochester Symposium and SUNY Oswego’s QUEST and SUNY

 Fall Undergraduate Research Conference.