

List of achievements and awards

- 2022 – 2027 Wellcome Trust / DBT India Alliance Intermediate Career Fellowship for a Longitudinal Eye health Aging and Disability Study (LEADS) in the elderly population.
- 2020 Optometry Council of India – Essilor Award for the Best Contribution towards Public Health – 2019
- 2017 Received “Alumnus of the Year” award by “The Alumni Association of L V Prasad Eye Institute Optometrists” in Jan 2017
- 2015 Asia ARVO travel grant to attend the conference in Japan in February 2015
- 2015 – 2020 Wellcome Trust / DBT India Alliance Early Career Fellowship for research on visual impairment in the Elderly population in residential care
- 2013 Best Poster Award at Asia ARVO (Association for Research in Vision and Ophthalmology) conference held in Delhi, in October 2013. Also received a travel grant from ARVO to attend this conference.
- 2012 – 2013 L V Prasad Eye Institute, Merit scholarship for post-doctoral studies at Johns Hopkins University
- 2006 – 2011 Vision CRC Scholarship for doctoral studies at University of New South Wales, Sydney, Australia
- 2002 – 2003 Scholarship from the Department for International Development (DFID, UK) for M.Sc (Community Eye Health) from London School of Hygiene and Tropical Medicine, University of London, UK.
- 2002 – 2003 Boulter Fellowship from British Council for Prevention of Blindness for M.Sc in the UK

List of publications (n=117)

1. **Marmamula S**, Kumbham TR, Ehrlich JR, Alladi S, Bloom DE, Friedman DS. Cross-sectional study of cognitive impairment and visual impairment among the elderly population in residential care in India: the Hyderabad Ocular Morbidity in Elderly Study (HOMES). *BMJ Open*. 2024 Jul 22;14(7):e084348. doi: 10.1136/bmjopen-2024-084348. PMID: 39038860.
2. Padhy D, **Marmamula S**, Mettla AL, Pyda G, Banerjee S, Konegari S, Chakrabarti S, Khanna RC. Changing trends in barriers to accessing eye care services in rural South India: results from the longitudinal Andhra Pradesh Eye Disease Study III (APEDS III) cohort. *Eye (Lond)*. 2024 Jun 6. doi: 10.1038/s41433-024-03155-5. Epub ahead of print. PMID: 38844584.
3. **Marmamula S**, Chinya A, Yelagondula VK, Varada R, Khanna RC, Narayanan R. Cross-sectional study of prevalence, causes and trends in visual impairment in Nirmal District, Telangana, India: Nirmal Eye Evaluation for Trends study. *BMJ Open*. 2024 May 30;14(5):e083199. doi: 10.1136/bmjopen-2023-083199. PMID: 38816051; PMCID: PMC11141176.
4. **Marmamula S**, Kumbham TR, Modepalli SB, Barrenkala NR, Keefe JE, Friedman DS. Cross-sectional study of prevalence and correlates of fear of falling in the older people in residential

- care in India: the Hyderabad Ocular Morbidity in Elderly Study (HOMES). *BMJ Open*. 2024 May 28;14(5):e080973. doi: 10.1136/bmjopen-2023-080973. PMID: 38806424; PMCID: PMC11138276.
5. Padhy D, Pyda G, **Marmamula S**, Khanna RC. Barriers to uptake of referral services from secondary eye care to tertiary eye care and its associated determinants in L V Prasad Eye Institute network in Southern India: A cross-sectional study-Report II. *PLoS One*. 2024 May 14;19(5):e0303401. doi: 10.1371/journal.pone.0303401. PMID: 38743737; PMCID: PMC11093387.
 6. Yelagondula VK, **Marmamula S**, Banerjee S, Khanna RC. Near vision impairment and effective refractive error coverage for near vision in Andhra Pradesh, India – The Akividu Visual Impairment Study (AVIS). *Clin Exp Optom*. 2024 Apr 14:1–6. doi: 10.1080/08164622.2024.2333769. Epub ahead of print. PMID: 38616051.
 7. Boopalan D, **Marmamula S**, Keefe J, Hassija N, Rani PK. Population-based assessment of awareness of diabetes and diabetes related eye diseases in rural areas in Telangana, India – implications for eye health promotion. *Clin Exp Optom*. 2024 Apr 9:1–5. doi: 10.1080/08164622.2024.2325631. Epub ahead of print. PMID: 38594023.
 8. **Marmamula S**, Saha R, Khanna RC. Effective Cataract Surgical Coverage in Four Large Districts in Telangana, India – Results from Rapid Assessment of Visual Impairment Study. *Ophthalmic Epidemiol*. 2024 Apr 3:1–7. doi: 10.1080/09286586.2024.2336498. Epub ahead of print. PMID: 38569085. Prakash WD,
 9. **Marmamula S**, Keefe J, Khanna RC. Effective refractive error coverage and spectacle coverage among school children in Telangana, South India. *Eye (Lond)*. 2024 Mar 4. doi: 10.1038/s41433-024-02986-6. Epub ahead of print. PMID: 38438796.
 10. Chadalavada HP, **Marmamula S**, Khanna RC. Vision impairment and access to eye care in an integrated network of eye care system in Southern and Eastern India. *Indian J Ophthalmol*. 2023 Dec 15. doi: 10.4103/IJO.IJO_1043_23. Epub ahead of print. PMID: 38099374.
 11. **Marmamula S**, Yelagondula V. K., Varada R., & Khanna R. C. (2023). Improving access to eye care in low and middle-income countries – challenges, opportunities, and the way forward. *Expert Review of Ophthalmology*, 18(6), 365–377.
<https://doi.org/10.1080/17469899.2023.2281448>
 12. Choudhari NS, Khanna RC, **Marmamula S**, Mettla AL, Giridhar P, Banerjee S, Shekhar K, Chakrabarti S, Murthy GVS, Gilbert C, Rao GN; Andhra Pradesh Eye Disease Study Group. Incidence of primary open angle glaucoma in the Andhra Pradesh Eye Disease Study (APEDS). *Eye (Lond)*. 2023 Nov 15. doi: 10.1038/s41433-023-02799-z. Epub ahead of print. PMID: 37968514.
 13. Karn RR, **Marmamula S**, Thakur SK, Sitoula RP, Shah R, Mehta AK, Saha R, Saravanan S, Ali R. Prevalence of visual impairment, uncorrected refractive errors and effective refractive error coverage in Koshi Province, Nepal – Rapid Assessment of Refractive Errors. *Eye (Lond)*. 2023 Oct 24. doi: 10.1038/s41433-023-02786-4. Epub ahead of print. PMID: 37875702.
 14. Prakash WD, **Marmamula S**, Mettla AL, Keefe J, Khanna RC. Variations in the prevalence of vision impairment across regions among school children in Telangana State, South India. *Indian J Ophthalmol*. 2023 Oct;71(10):3322–3327. doi: 10.4103/IJO.IJO_215_23. PMID: 37787229.

15. Majhi D, Das T, Padhy D, **Marmamula S**, Khanna RC, Ota AB, Rout PP, Avhad K, Rath S. Prevalence and causes of visual impairment in *Dongaria* indigenous (tribal) community. Tribal Odisha eye disease study # 12. Indian J Ophthalmol. 2023 Jul;71(7):2850-2855. doi: 10.4103/IJO.IJO_2788_22. PMID: 37417133.
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17. **Marmamula S**, Yelagondula VK. The feasibility of combining rapid assessment studies for measuring the progress toward Universal Eye Health. Indian J Ophthalmol. 2023 May;71(5):2296-2297. PMID: 37202981.
18. Parameswarappa DC, Jalali S, **Marmamula S**, Natarajan R, Mettla AL, Giridhar P, Banerjee S, Shekhar K, Chakrabarti S, Khanna RC. Visual impairment and blindness due to retinitis pigmentosa in India: 15-year follow-up of the Andhra Pradesh Eye Disease Study cohort. Indian J Ophthalmol. 2023 Mar;71(3):902-908. PMID: 36872706.
19. Chadalavada HP, **Marmamula S**, Yanamala NK, Khanna RC. "Eyecare on-call" - Home-based eye care delivery model - Reflections on one year of experience. Indian J Ophthalmol. 2023 Jan;71(1):306-307. PMID: 36588260.
20. **Marmamula S**, Bhoopalan D, Kumbham TR, Yelagondula VK, Keeffe J. Prevalence, pattern, and compliance with spectacles use among the elderly in homes for the aged in South India: The Hyderabad Ocular Morbidity in Elderly Study (HOMES). Indian J Ophthalmol. 2023 Jan;71(1):263-267. PMID: 36588247.
21. **Marmamula S**, Varada R, Williams JD, Khanna RC. Vision guardians for community eye health: the LV Prasad Eye Institute model in India. Community Eye Health. 2022;35(115):24-26. PMID: 36425853;
22. Keel S, Lingham G, Misra N, Block S, Bourne R, Calonge M, Cheng CY, Friedman DS, Furtado JM, Khanna R, Mariotti S, Mathenge W, Matoto E, Müller A, Rabiou M, Rasengane T, Resnikoff S, Wormald R, Yasmin S, Zhao J, Evans JR, Cieza A; **Package of Eye Care Interventions Development Group**. Toward Universal Eye Health Coverage-Key Outcomes of the World Health Organization Package of Eye Care Interventions: A Systematic Review. JAMA Ophthalmol. 2022 Nov 17. PMID: 36394836.
23. **Marmamula S**. Towards healthy aging: Eye health as an entry point to holistic health care for the elderly - The concept and the need. Indian Journal of Ophthalmology: November 2022 - Volume 70 - Issue 11 - p 4094-4095 doi: 10.4103/ijo.IJO_1995_22
24. Bourne RRA, Cicinelli MV, Sedighi T, Tappay IH, McCormick I, Jonas JB, Congdon NG, Ramke J, Naidoo KS, Fricke TR, Burton MJ, Müller A, Bikbov MM, Furtado JM, Kyari F, He M, Wang YX, Vijaya L, Nangia V, Brian G, Emamian MH, Fotouhi A, Hashemi H, Khandekar RB, **Marmamula S**, Salomão S, George R, Kazakbaeva G, Braithwaite T, Casson RJ, Iwase A, Gupta N, Abdianwall MH, Wong TY, Wang N, Taylor HR, Flaxman SR, Keel S, Resnikoff S; Vision Loss Expert Group of the Global

Burden of Disease Study; RAAB International Co-Author Group. Effective refractive error coverage in adults aged 50 years and older: estimates from population-based surveys in 61 countries. *Lancet Glob Health*. 2022 Oct 11:S2214-109X(22)00433-8. doi: 10.1016/S2214-109X(22)00433-8. Epub ahead of print. PMID: 36240807.

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26. Choudhari NS, Khanna RC, **Marmamula S**, Mettla AL, Giridhar P, Banerjee S, Shekhar K, Chakrabarti S, Murthy GVS, Gilbert C, Rao GN; Andhra Pradesh Eye Disease Study Group. Regional variation in the incidence of pseudo-exfoliation in the Andhra Pradesh Eye Disease Study (APEDS). *Eye (Lond)*. 2022 Sep 9. doi: 10.1038/s41433-022-02226-9. Epub ahead of print. PMID: 36085361.
27. **Marmamula S**, Barrenkala NR, Kumbham TR, Brahmanandam Modepalli S, Keeffe J. Unilateral Vision Loss in Elderly People in Residential Care: Prevalence, Causes and Impact on Visual Functioning: The Hyderabad Ocular Morbidity in Elderly Study (HOMES). *Ophthalmic Epidemiol*. 2022 Jul 27:1-8. doi: 10.1080/09286586.2022.2104323. Epub ahead of print. PMID: 35892240.
28. **Marmamula S**, Kumbham TR, Shidhaye R, Modepalli SB, Barrenkala NR, Yellapragada R, Keeffe J. Multimorbidity and multi-disability among the elderly in residential care in India: the Hyderabad Ocular Morbidity in Elderly Study (HOMES). *Sci Rep*. 2022 Jul 11;12(1):11779. PMID: 35821044; PMCID: PMC9276822.
29. Prakash WD, **Marmamula S**, Mettla AL, Keeffe J, Khanna RC. Visual impairment and refractive errors in school children in Andhra Pradesh, India. *Indian J Ophthalmol*. 2022 Jun;70(6):2131-2139. PMID: 35647998.
30. **Marmamula S**, Yelagondula VK, Kumbham TR, Modepalli S, Yellapragada R, Avula S, Keeffe J. Population-based assessment of barriers for uptake of eye care services among elderly people: Findings from rapid assessment of visual impairment studies from Telangana, India. *Indian J Ophthalmol*. 2022 May;70(5):1749-1753. doi: 10.4103/ijo.IJO_1991_21. PMID: 35502065.
31. **Marmamula S**, Kumbham TR, Modepalli SB, Chakrabarti S, Keeffe JE. Barriers to uptake of referral eye care services among the elderly in residential care: the Hyderabad Ocular Morbidity in Elderly Study (HOMES). *Br J Ophthalmol*. 2022 Apr 1:bjophthalmol-2021-320534. PMID: 35365490.
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33. **Marmamula S**, Boopalan D, Khanna RC, Hassija N, Keeffe J. Awareness of cataract and glaucoma in two rural districts of Telangana, India. *Indian J Ophthalmol*. 2022 Mar;70(3):982-987. doi: 10.4103/ijo.IJO_977_21. PMID: 35225556; PMCID: PMC9114602.

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37. **Marmamula S**, Priya R, Varada R, Keeffe JE. Awareness on Eye Donation in the North-eastern State of Tripura, India – The Tripura Eye Survey. *Ophthalmic Epidemiol*. 2021 Jul 25:1-5. PMID: 34308774.
38. **Marmamula S**, Yelagondula VK, Khanna RC, Banerjee S, Challa R, Yellapragada R, Keeffe JE. A Population-Based Cross-Sectional Study of Visual Impairment in West Godavari and Krishna Districts in Andhra Pradesh: Akividu Visual Impairment Study (AVIS). *Ophthalmic Epidemiol*. 2021 Jul 22:1-6. doi: 10.1080/09286586.2021.1946829. Epub ahead of print. PMID: 34294023.
39. **Marmamula S**, Banerjee S, Yelagondula VK, Khanna RC, Challa R, Yellapragada R, Keeffe J. Population-based assessment of prevalence of spectacle use and effective spectacle coverage for distance vision in Andhra Pradesh, India – Akividu Visual Impairment Study. *Clin Exp Optom*. 2021 Jun 16:1-6. doi: 10.1080/08164622.2021.1916386. Epub ahead of print. PMID: 34132172.
40. Sankaridurg P, Tahhan N, Kandel H, Naduvilath T, Zou H, Frick KD, **Marmamula S**, Friedman DS, Lamoureux E, Keeffe J, Walline JJ, Fricke TR, Kovai V, Resnikoff S. IMI Impact of Myopia. *Invest Ophthalmol Vis Sci*. 2021 Apr 28;62(5):2. doi: 10.1167/jovs.62.5.2. PMID: 33909036.
41. **Marmamula S**, Keeffe J, Challa R, Mohd J, Khanna RC. Near-vision impairment and effective near-vision spectacle coverage in two districts in Telangana, India: a population-based cross-sectional study. *BMJ Open*. 2021 Apr 5;11(4):e047131. doi: 10.1136/bmjopen-2020-047131. PMID: 33820793.
42. Choudhari NS, *Khanna RC, **Marmamula S**, Mettla AL, Giridhar P, Banerjee S, Shekhar K, Chakrabarti S, Murthy GV, Gilbert C; Andhra Pradesh Eye Disease Study Group. 15-year Incidence rate of Primary Angle Closure Disease in the Andhra Pradesh Eye Disease Study. *Am*

J Ophthalmol. 2021 Mar 2:S0002-9394(21)00095-7. doi: 10.1016/j.ajo.2021.02.030. Epub ahead of print. PMID: 33667399.

43. **Marmamula S**,* Modepalli SB, Kumbham TR, Challa R, Keeffe JE. Prevalence of disabilities and non-communicable diseases in an elderly population in the Telangana state, India: a population-based cross-sectional study. *BMJ Open.* 2021 Feb 19;11(2):e041755. doi: 10.1136/bmjopen-2020-041755. PMID: 33608399; PMCID: PMC7898867.
44. **Rathi VM**, Reddy RP, Fernandes M, Rath S, Nayak S, Vemuri JPS, Yanamala NK, Varda R, **Marmamula S**, Das AV, Khanna RC. The impact of COVID-19 "Unlock-I" on L V Prasad Eye Institute Network in Southern India. *Indian J Ophthalmol.* 2021 Mar;69(3):695-700. doi: 10.4103/ijo.IJO_3143_20. PMID: 33595503.
45. **Mitchell W**, **Marmamula S**, Zebardast N, Ng W, Locascio JJ, Kumbam T, Brahmanandam S, Barrenkala NR. Psychometric validation techniques applied to the IND-VFQ-33 visual function questionnaire: the Hyderabad ocular morbidity in the elderly study (HOMES). *BMC Med Res Methodol.* 2021 Feb 5;21(1):26. doi: 10.1186/s12874-021-01217-w. PMID: 33546603; PMCID: PMC7866746.
46. **Marmamula S**, Mitchell W, Zebardast N, Locascio J, Barrenkala NR, Kumbham TR, Modepalli SB, Khanna RC, Friedman DS. Impact of Vision Loss on Visual Function Among Elderly Residents in the "Home for the Aged" in India: The Hyderabad Ocular Morbidity in Elderly Study. *Transl Vis Sci Technol.* 2020 Dec 7;9(13):11. doi: 10.1167/tvst.9.13.11. PMID: 33344055; PMCID: PMC7726582.
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48. **Marmamula S**, Barrenkala NR, Khanna RC, Challa R, Bhakki M, Kumbham TR, Modepalli SB, Yellapragada R, Friedman DS. Near vision impairment among the elderly in residential care- the Hyderabad Ocular Morbidity in Elderly Study (HOMES). *Eye (Lond).* 2020 Nov 6. doi: 10.1038/s41433-020-01243-w. Epub ahead of print. PMID: 33159176.
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61. **Panda L**, Khanna RC, Mettla AL, **Marmamula S**, Pehera NK, Keefe JE. Causes of vision impairment and blindness among children in schools for the blind in South Indian States of

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