

## CURRICULUM VITAE

**Name: Dr. Konda Venkata Nagaraju**

**Current designation & Work place:**  
**Assistant Professor**  
**School of Medical Sciences**  
**University of Hyderabad**  
**CUC, Prof. CR Rao Rd,**  
**P O Central University, Gachibowli,**  
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### **Brief Personal Profile:**

**Date of Birth:** 4th March 1977  
**Nationality:** Indian  
**Address:** Villa 36, H No 2-145, Sree Homes, Behind Sreedevi Engineering College, Vattinagulapally, Hyderabad – 500075, Telangana, India.

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Possessing good acumen for vision research, education, and vision care business. Having experience in running own business, working as a faculty at well-known optometry and vision science schools in the world, working as a research scholar at one of the world's best optometry schools and working as a manager (at various levels) at a start-up company in India, equipped me as an all-rounder for the eye care industry.

### **Research Specialisations:**

Ocular surface inflammation, dry eyes, antimicrobial contact lenses, myopia, and eye care innovations.

### **Research and Professional Experience:**

Dr. Konda is an Optometrist, who has specialised in ocular surface inflammation and contact lenses. His ocular surface and myopia lab at University of Hyderabad conducts research in the area of ocular surface effect in refractive surgery, antimicrobial contact lenses and myopia and its risk factors. He joined as an Assistant Professor, School of Medical Sciences, University of Hyderabad in March 2017 after working with Prof. Mark Willcox as a research Associate at University of New South Wales to study the safety and efficacy of Antimicrobial contact lenses. Dr. Konda has worked with Brien Holden Vision Pvt. Ltd. India, a Subsidiary Company of Prof. Brien Holden Vision Institute, Sydney, Australia. He was instrumental in establishing Brien Holden Vision Pvt. Ltd to conduct translation research and commercialisation work at Hyderabad, India to conduct biomedical research to bring innovative medical devices from lab

to the market. He was a recipient of prestigious Endeavour International Postgraduate Research Scholarship (EIPRS) from the Australian government between 2009 and 2013. He is a research Board member for the Kolkata Vision Research Centre. He is part of national and international research and academic grants.

**Education & Employment:**

SI No.	Institution	Position	From (Date)	To (date)
1	University of Hyderabad, Hyderabad, India.	Assistant professor	Mar 2017	Till date
2	University of New South Wales, Sydney, Australia. EIPRS award	Research Fellow (Postdoc)	Jan 2016	Feb 2017
3	Innovation Center, L V Prasad Eye Institute (Part-time), Hyderabad, India	Head	Mar 2016	Feb 2017
4	Brien Holden Vision Pvt. Ltd., Hyderabad, India.	General manager	Feb 2014	Sep 2015
5	University of New South Wales (UNSW), Sydney, Australia. Received prestigious <b>Australian Government's Endeavour International Postgraduate Research Scholarship (EIPRS) award</b> between 2009 and 2013	PhD	May 2009	Nov 2014
6	Singapore Polytechnic, Singapore	Lecturer	Oct 2006	May 2009
7	Singapore Polytechnic, Singapore	PG Diploma - Teaching in Higher Education	Oct 2007	Sep 2008
8	Nishanth Opticals Sulochana Eye Center, Hyderabad, India	Managing Partner Consultant Optometrist,	Aug 2003	Sep 2006
9	L V Prasad Eye Institute, Hyderabad, India.	Consultant Optometrist Research & Teaching faculty	Aug 2001	Feb 2003
10	School of Optometry, Medical College, Bharati Vidyapeeth Deemed University, Pune, India. Received <b>Gold medal &amp; Best outgoing student</b> award	B. Optom	Sep 1998	Aug 2001

## Awards & Grants:

- A Received prestigious Australian Government's **Endeavour International Postgraduate Research Scholarship (EIPRS)** award, which pays tuition fees, OHSC and stipend. In addition, obtained **Optometry and Vision Science Top-up Scholarship** from the University of New South Wales, Sydney, Australia for Doctoral Degree for the years 2009 and 2013.
- B Received **Gold medal** for being the Best outgoing student of Bachelor degree in Optometry in 2001 from Bharati Vidyapeeth Medical College, School of Optometry, Pune, India.
- C Awarded "**Travel Fellowship Grant**" by SERI - SANTEN to present "Rigid Gas-Permeable Contact Lens Fitting in Keratoconus", at first SERO- ARVO meeting on research in vision and Ophthalmology from 6th - 9th February 2003, Singapore
- D Received "**Best scientific paper award**" for the oral presentation at 6th National Congress of Optometry & Opticianry, which was held between 21 and 23 June 2007, Singapore.
- E Awarded "**Travel fellowship grant**" by Brien Holden Vision Institute, to present "Contact Lens-associated Microbial Keratitis trends in South India between 2001 and 2011", at The Association for Research in Vision and Ophthalmology between May 6 – 10, 2012, at Fort Lauderdale, Florida, U.S.A.
- F Awarded "**Student Travel fellowship**" by American Academy of Optometry, to attend "Academy 2012, Phoenix", October 24 – 27, 2012, at Phoenix, Arizona, U.S.A.
- G Received "**Grand prize Anterior Segment Winner**" award for the Crystalline lens subluxation with intact zonules in Marfan's syndrome patient at the American Academy of Optometry ocular photography contest, 2012.
- H Awarded "**Postgraduate Research Student Support Conference travel grant**" by University of New South Wales, to present "Vision loss and disease severity in patients with contact lens-associated microbial keratitis", at The American Academy of Optometry between October 24 and 27, 2012, at Phoenix, Arizona, U.S.A.
- I Awarded "**Travel fellowship grant**" by Brien Holden Vision Institute, to present "Interleukin 6 gene polymorphisms in patients with Keratitis", at The Association for Research in Vision and Ophthalmology between May 5 – 9, 2013, at Seattle, Washington, U.S.A.
- J **Open Indirect Ophthalmoscope** project has been selected for **finalist in the Hackday** and **Foldable phoropter** project was awarded a price of 50,000/- USD by **Clear Vision Prize** in the area of social innovation.
- K **Faculty grant** (INR 6,00,000/-) has been awarded to set-up the contact lens research laboratory from University of Hyderabad, 2017.
- L Received **Start-up grant** (INR 10,00,000/-) from University Grant Commission, Government of India - May 2018.
- M **EU project** – University of Hyderabad, Co-investigator: Optometry schools from Nine different countries come together to develop optometry curriculum for lifelong learning (**OCULUS PLUS**). Duration 2017-2020. **Budget – INR 80,00,000/-**.
- N Guiding 3 PhD students in the area of Dry eyes - ocular surface, Antimicrobial contact lenses & Myopia and risk factors.
- O Co-investigator, **BRNS project** titled "Exploring the potential of lacrimal gland stem cells in restoring the damaged function through cell therapy" Duration 2019-2021; Grant award INR 35,00,000/-

- P Co-investigator, Ocular photosensitivity in different age groups and in dry eyes in collaboration with L V Prasad Eye Institute.
- Q Consumer and dispenser awareness safety norms of Contact lenses and Ophthalmic lenses. 2019-2020
- R Occupational hazards and effects on eye in Stone crushers, Ranga Reddy Dist. Hyderabad 2018 – 2019.
- S Ocular surface changes in post refractive surgery patients, contact lens wearers, dry eyes disease and in patients using anti glaucoma medication.
- T **Operation eyesight Universal grant** INR 900,000/- to establish an eye clinic to the underprivileged and myopia school screening projects 2019-2020.
- U Hosted **India Economic Strategy meet** on behalf of Australian Alumni Association, Hyderabad Chapter. Dec 2018.
- V **Alumni of the year award** from Alumni of L V Prasad Eye Institute Optometrists Jan 2019

### Research studies:

- A **Adherence of Acanthamoeba to human corneal epithelial cells recovered from normal non-lens wearers and asymptomatic contact lens wearers**, which was conducted at L. V. Prasad Eye Institute, India in collaboration with Cornea and Contact Lens Research Unit, School of Optometry, The university of New South Wales and The Co-operative Research Center for Eye Research and Technology, Sydney, Australia.
- B **Conjunctival Cytological Changes in subjects wearing disposable hydrogel lenses on daily and six-night extended wear schedule**, which was completed at L.V.Prasad Eye Institute, Hyderabad, India.
- C **A Contra-lateral evaluation of disposable hydrogel lenses available in Indian contact lens market.** Conducted the study during the internship, at Bharati Vidyapeeth Medical College, School of Optometry, Pune, India, in year 2001.
- D **4. Principal investigator and supervisor - Subjective and Objective Response with Silicone Hydrogel Contact Lens and Multipurpose Solution combinations.** A prospective randomized study, designed, implemented and completed the projected at School of Chemical & Life Sciences, Singapore Polytechnic, Singapore between years, 2007 - 2008.
- E Principal investigator and supervisor - **Corneal epithelial staining in subjects using hydrogel contact lenses with different modulus of elasticity.** A prospective randomized study, designed, implemented and completed the projected at School of Chemical & Life Sciences, Singapore Polytechnic, Singapore between years, 2007 - 2008.
- F Project manager for a pre-marketed commercial product testing project: **Intelligent Retinal Camera Project (2013-2015)** funded by Vision Cooperative Research Centre, an Australian Government Funding Agency.
- G Project manager - **Screening for refractive Errors in urban school going children and young adults in Hyderabad, India** (2013-2014) funded by Brien Holden Vision Institute, Sydney, Australia.
- H **Clinical mentor** for the Dry Eye Syndrome Quantifier project at the Engineering the Eye 2017 Hackathon conducted at Srujana Centre for Innovation, L V Prasad

Eye Insitute, in collaboration with MIT media Labs, Boston. Developed and tested a prototype to image the tear lipid layer along with a team of Engineering and design students.

- I **Project member** representing University of Hyderabad to benchmark the optometric programmes in India and Israel and by developing and piloting pedagogic resources, following a quality plan, disseminating the project outputs and with proper management, 2017.

### Journal Publications:

1. **Nagaraju Konda** and Mark DP Willcox. "**Review of Inflammation and infection in contact lens wearers: Risk factors and association with single nucleotide polymorphisms**". J Ocular Biol, October 2013; 1(2): 9.
2. **Nagaraju Konda**, Swapna R Motukupally, Mark DP Willcox et al. "**Microbial analyses of contact lens-associated microbial keratitis**". Optom Vis Sci. 2014 Jan; 91(1):47-53.
3. **Nagaraju Konda**. "**Ocular photography contest. Grand prize: Anterior segment: Crystalline lens subluxation with intact zonules in Marfan's syndrome**". Optom Vis Sci. 2012 Nov;89(11):e98-9.
4. Aasuri MK, **Venkata N**, Kumar VM. "**Differential Diagnosis of Microbial Keratitis and Contact Lens Induced Peripheral Ulcer**". Eye Conact Lens 2003; Jan;29(1 Suppl):S60-62; discussion S83-4, S192-4.
5. **Nagaraju Venkata**, Savitri Sharma, Rashmi Gora, Rajni Chhabra, Murali K Aasuri. "**Clinical presentation of microbial keratitis with daily wear frequent replacement hydrogel lenses: A case series**". Contact Lens Association of Ophthalmology 2002 Jul;28(3):165-68
6. Aasuri MK, **Venkata N**, Preetam P, Rao NT. "**Management of pediatric aphakia with silsoft contact lenses**". Contact Lens Association of Ophthalmology 1999 Oct;25(4):209-12.
7. Sharma S, Sankaridurg PR, **Venkata N**, Pothuri S, Athmanathan S, Reddy S. Holden BA, Rao GN. "**Adherence of Acanthamoeba to human corneal epithelial cells recovered from normal non-lens wearers and asymptomatic contact lens wearers**". Contact Lens and Anterior Eye, 1999; 22(4): 110-5

### Presentations:

1. Faculty in 3<sup>rd</sup> Scientific Meeting of the Asia Pacific Society of Cornea & Refractive Surgery held at Hyderabad, India from January 31 to February 2, 2002. Spoke on "**Contact lens binding**". Also, took part in panel discussion: "**Contact lens - related inflammation and infiltrates**".
2. Presented a scientific paper on "**Conjunctival cytology changes in subjects wearing disposable hydrogel lenses on daily and six-nights extended**".

**wear schedule**" during **Indian Eye Research Group Meeting** in 1998 at L.V.Prasad Eye Institute and **All India Optometry Conference** in 2000 held in India.

3. Presented a paper on "**Microbial Keratitis associated with Frequent Replacement Hydrogel Lenses**" during international symposium on cornea and Contact Lens held between 1<sup>st</sup> and 4<sup>th</sup> January 2002 at L.V.Prasad Eye Institute.
4. Presented a paper on "**Contact Lens fitting in Keratoconus**" at **SERI-ARVO conference** held at **Singapore National Eye Center, Singapore** between 6<sup>th</sup> and 9<sup>th</sup> February, 2003
5. Presented a poster titled "**Rigid Contact Lens fitting following multiple refractive surgeries**" at first SERO- ARVO meeting on research in vision and Ophthalmology from 6<sup>th</sup> - 9<sup>th</sup> February 2003, **Singapore**
6. Presented a poster as a co-author titled "**Contact Lens fitting following LASIK**" at first SERO- ARVO meeting on research in vision and Ophthalmology between 6<sup>th</sup> and 9<sup>th</sup> February 2003, **Singapore**.
7. Presented a paper on "**Are silicone hydrogels are epithelial friendly?**" at 5<sup>th</sup> Asia Cornea and Contact Lens Conference held at Suntec Convention Centre, Singapore between 4 – 5 May 2008.
8. Presented a poster on "**Contact Lens-associated Microbial Keratitis trends in South India from 2001 to 2011 from a Comprehensive Eye Care Centre**" at the Association for Research in Vision and Ophthalmology between May 6 and 10, 2012, at Fort Lauderdale, Florida, U.S.A.
9. Presenting a paper on "**Vision loss and disease severity in patients with contact lens-associated microbial keratitis**" at Academy 2012 Phoenix between 24 and 27 October 2012.
10. Presented a poster on "**Interleukin 6 polymorphisms in patients with keratitis**" at the Association for Research in Vision and Ophthalmology between 5 and 9 May 2013, at Seattle, Washington, U.S.A.
11. Delivered a talk on "**So you've graduated...what's next?**" at 36<sup>th</sup> All India Optometry Conference held between 6 and 8 September 2014.
12. Presented a poster on "**Prevalence of refractive errors in urban schoolchildren in India: the Hyderabad eye study**". ARVO 2015. Abstract No- 2936 D0058
13. Presented a poster on "**Association of toll-like receptor gene polymorphisms with bacterial keratitis**". ARVO 2015, Abstract no 4812
14. Designed, implemented, and delivered various **educational seminars** for India Vision Institute (IVI). Work with IVI program managers to facilitate these programs. between 2014 and April 2015.
15. Delivered an invited talk on **assessment of functional visual components** at iFocus post-graduation ophthalmology training workshop, Hyderabad, India. Jan 2019
16. Conducted a workshop on **Evidenced based optometry education** at Vidyasagar College of Optometry, Kolkata. Jan 2019
17. Delivered invited talks on **Risk factors of Myopia and managing Scleral contact lenses** at Science City, Kolkata Optometry Summit. Jan 2019

18. Delivered an invited talk on **Evidenced based practice in research** at Research Methodology workshop conducted by School of Medical Sciences, University of Hyderabad. Feb 2019.
19. As a co-author, presented a paper on the **sensitivity of isolated bacteria during corneal infiltrative events of Melimine Antimicrobial Contact Lens (MACL) wear clinical trial** at British Contact Lens Association Conference, Manchester, UK, May 2019.
20. Presented a talk on **Gap analysis in Optometry Curriculum at Erasmus Plus Oculus event**, University of Polytechnica, Barcelona, Spain, April 2019.
21. As a co-author, presented a paper on **Ocular Sensitivity in healthy eyes** at IERG Aug 2018, Hyderabad & Kochi Optometry Conference, Oct 2018.
22. As a corresponding author, presented a paper on **Construction of tear lipid layer 3D profile** at IERG Aug 2018, Hyderabad & Kochi Optometry Conference, Oct 2018.
23. As a co-author, presented a paper on **Contact lens induced corneal infiltrative events during extended Melimine Antimicrobial Contact Lens (MACL) wear clinical trial** at American Academy of Optometry, San Antonio, USA, Nov 2018.
24. As a co-author, presented a paper on **Does extended Melimine Antimicrobial Contact Lens (MACL) wear effect the ocular microbiota?** at American Academy of Optometry, San Antonio, USA, Nov 2018.
25. As a co-author presented a poster on **Comfort and biocompatibility during extended Melimine Antimicrobial Contact Lens (MACL) wear clinical trial.** at American Academy of Optometry, San Antonio, USA, Nov 2018.
26. Attended - 1 day **e-Course development workshop** at e-learning Center, UoH 17 July 2018
27. Organised one day conference on **current perspectives in Vision care** at School of Medical Sciences, University of Hyderabad, Mar 2018.
28. Invited speaker - **Optometry and role in avoidable blindness**, Secunderabad Lions club & PVRI Mar 2018
29. Delivered invited talks on **Risk factors of Myopia and managing Scleral contact lenses** at Hitex, Hyderabad, Nov 2018.
30. **Community Health Worker's Training** on Vision Screening for the Elderly at CHC Toopran, Medak district, telangana Held on march 15th and march 16th 2018.
31. Co-author presented a paper on **Reduction in Contact Lens-induced Adverse Events by Antimicrobial Contact Lenses** at ANNUM, Japan, July 2018.

#### **Collaboration Activities:**

1. **Consultancy services** to Brien Holden Vision Institute, Sydney, Australia to conduct a multi-ethnic study on myopia between 2018 and 2020.
2. **Collaborating with Ovitz Corporation, New York** to conduct FDA registered p10 aberrometry device validation and testing (2019 – 2021).

### **Academic Activities:**

1. Manipal Academy for Higher Education: **External Examiner for undergraduate and post graduate** studies between 2017 and till date.
2. **Undergraduate project reviewer for University of New South Wales**, School of Optometry & Vision Sciences, Apr 2019.
3. **Guide for NCRI Project** titled "Perspectives of Educational Services at nallabelly village" 2018 – 2019.
4. **University of Hyderabad's Co-ordinator for the Telangana State Government's project on Kantivelugu** 2018 – 2019.
5. **Scientific committee member, HOA-Vista: Hyderabad Ophthalmology Association Conference** held at Hitex, Hyderabad, Nov 2018.
6. **Organiser - Invited talk on Development of Antimicrobial Contact Lenses** by Prof. Mark Willcox, School of Optometry & Vision Sciences, University of New South Wales, Sydney, Australia, Jan 2019.
7. Completed a 3 weeks course on Specialty Contact Lenses - **Boston Sight Foundation & L V Prasad Eye Institute, Hyd, India** - May - June 2018
8. **Organiser - Train the trainer workshop on Posterior Segment evaluation and rubrics** at School of Medical Sciences, University of Hyderabad Jan 2018
9. **Organiser - Invited talk on Fresnel Lenses and Prisms and its applications.** Mr. Mark Armstrong, The Fresnel Prism and lens Company, USA on 05<sup>th</sup> Dec 2017.
10. **Organiser - Invited talk on Recent updates on Tear Film and Ocular Surface** by Prof. Mark Willcox, School of Optometry & Vision Sciences, University of New South Wales, Sydney, Australia, Aug 2017.
11. **Organiser - A one day conference on Eye Health & Vision Safety** at School of Medical Sciences, University of Hyderabad, 08<sup>th</sup> Sep 2017.
12. **Organiser - A one day conference on Evidence based practice** in Education at School of Medical Sciences, University of Hyderabad, 12<sup>th</sup> Sep 2017.

### **Module in-charge for the following I MSc subjects at University of Hyderabad:**

1. Contact Lens I - Theory & Lab
2. Contact Lens II - Theory & Lab
3. Recent advances in Optometry
4. Optometry clinics
5. Clinical Internship coordinator 2017-2018
6. Ophthalmic Dispensing
7. Optometric Optics