P. Sarita Soni, OD, MS, FAAO
Vice Provost for Research - IUB
Associate Vice President for Research
Indiana University

Professor of Optometry and Vision Science
School of Optometry

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Appointments

Academic:

Indiana University

- Professor of Optometry and Vision Science, School of Optometry, 1992- present
- Professor of Ophthalmology, adjunct, School of Medicine, 2007- present
- Associate Professor of Optometry and Vision Science, School of Optometry, 1984-92
- Assistant Professor of Optometry, School of Optometry, 1978-84
- Lecturer, School of Optometry,1976-78

University of New South Wales

- Visiting Fellow, Cornea Contact Lens Research Unit; Sydney, Australia, Spring 1986

Administrative:

Indiana University

- Associate Vice President for Research, 2010-present
- Vice Provost for Research, 2006 – present
- Associate Vice President for Research, 2004-2006
- Special Advisor to Vice President for Research, 1992-2004
- Acting Associate Dean for Research and University Graduate School, 1990-92
- Acting Associate Dean of the Faculties, Office of Academic Affairs and the Dean of the Faculties, 1989-90

School of Optometry

- Interim Dean 2008-2010
- Associate Dean for Research, 1999- 2004
- Founding Co-Director, Borish Center for Ophthalmic Research, 1995-2006
- Associate Dean for Research and Graduate Programs, 1992-1999

- Director, Cornea & Contact Lens Research Clinic, 1983-89
- Founding Director, Urgent Eye Clinic, Student Health Center, 1979-1983

Professional

- National Advisory Eye Council (NAEC), National Eye Institute (NEI) of the National Institutes of Health (NIH), December 1999- 2003
- Consultant, Ophthalmic Devices Panel (an advisory panel to the Food and Drug Administration (FDA), 1998-2003
- Consultant, Federal Trade Commission (FTC), 1996-1999
- Special Federal Employee, voting member, Ophthalmic and Radiological Devices Panel (an advisory panel to FDA, 1994-97

Boards

- Board of Directors, Association of Schools and Colleges of Optometry, 2008-2010
- Board of Managers, Indiana Center for Applied Protein Science (INCAPS later MONARCH), 2005- 2008
- K12 (NIH-NEI) Program Advisory Board, The Ohio State University, College of Optometry, 2005-2009
- Board of Directors, WIYN (Wisconsin, Indiana, Yale, National Optical Astronomy Observatory), 2004- 2007
- Board of Directors of the American Academy of Optometry, 1998-2004
- President, American Optometric Foundation, 1996-1998
- Board of Directors of the American Optometric Foundation, 1995-1998

Education

- **Visiting Fellow**, Department of Ophthalmic Pathology, Scheie Eye Institute, University of Pennsylvania, Philadelphia, Pennsylvania, Fall 1979
- **M.S.**, Pathology (Thesis Topic: The Effects of Oral Contraceptive Steroids on Corneal Curvature and Thickness), Indiana University Graduate School, Medical Sciences Program, Department of Pathology, Bloomington, Indiana, 1978
- **Post-Doctoral Residency in Ocular Pathology**, Armed Forces Institute of Pathology (AFIP), Walter Reed Memorial Center; Washington, D.C., 1978
- **O.D.** (Doctor of Optometry), Indiana University School of Optometry; Bloomington, Indiana, 1976
- **B.Sc.**, (First class) Ophthalmic Optics, University of Manchester Institute of Science and Technology; Manchester, England, 1972

Awards & Honors

- William Feinbloom Award, American Academy of Optometry 2012
- UL1RR02576-01 (PI: Shekhar), Co-investigator – Soni, NCRR, Indiana Clinical Translational Sciences Institute, 05/1/08 – 4/30/13, $21,168,775.
- 5 K12 EY 015504-01 (PI: Soni), NIH/NEI, Clinical Scientist Development Program, 07/01/2004 – 06/30/2009, $1,373,537
- 5R01EY012934-01 (PI; Bonanno), Co-investigator – Soni, NIH/NEI , Corneal Metabolic Activity in Humans, 05/1/ 2000 – 09/ 30/2003, $583,906
- Elected to the associate Membership of the International Society of Contact Lens Specialists, 2002
- Elected to the Board of Directors of the American Academy of Optometry, 1998-2002
- Elected to the National Academies of Practice as a *Distinguished Scholar*, 2000
- Elected, President of the American Optometric Foundation, 1997-1998
- Indiana University Academic Leadership Fellow to CIC (Committee for Institutional Cooperation) Academic Leadership Program, Inaugural class, 1989-90
- Elected to International Society for Contact Lens Research, 1982
- Diplomate of the Cornea and Contact Lens Section of the American Academy of Optometry, 1982
- Fellow of the American Academy of Optometry, 1977

Professional Affiliations

Fellowships & Memberships:

- International Society of Contact lens Specialists 2002-present
- The College of Optometrists (Great Britain), 1995-2002
- American Association of University Professors, 1990-present
- Association for Research in Vision and Ophthalmology, 1986-present
- International Society for Contact Lens Research, 1982- 2008
- Indiana Chapter of the American Academy of Optometry, 1978-present
- American Academy of Optometry, 1977-present
- American Optometric Association, 1977-present
- Indiana Optometric Association, 1977-present
- Association of Optometric Contact Lens Educators, 1977-present
- British College of Ophthalmic Opticians, 1974-1994

Senior representation and key committees:

Indiana University

- Member of the Provost's working Group for establishment and accreditation of the IUB School of Public Health, IUB 2012
- Member of Task Force for Review of Responsibility Center Management, IUB 2011
- Co-chair for the Task Force on Faculty Excellence, Strategic Planning Committee for University Information Technology Services, IU, 2008
- Member of Policy Forum of the University Research Association Council of Presidents, representing IU President, 2007-present
- Chair, Search and Screen Committee for the Dean of the University Graduate School, 2006
- Member of Association of University Research in Astronomy (AURA), 2006-present
- Senior Research Officer, representing IU at American at Association of Universities, 2006-present
- Senior Research Officer, representing IU at Consortium for Institutional Cooperation (CIC), The Big Ten universities consortium, 2006-present
- Office of Women's Affairs, WISP Committee 2005- present
- Commitment to Excellence (CTE) Funds Review Committee, IU Bloomington, 2003 & 2004
- Strategic Planning Committee for Commitment to Excellence, IU Bloomington, 2002-2004
- Elected to the Executive Committee of the AAUP Bloomington Chapter, 2003-2004
- Elected to the University Faculty Council, 2000-2002, 2002-2004
- President's Task Force on Research and Graduate School, 2002
- Elected to the Bloomington Faculty Council Agenda Council, 2001-2002
- Elected to the Bloomington Faculty Council, 2000-2002, 2002-2004
- Elected to Bloomington Campus Faculty Board of Review, 2000-2002
- School of Education Dean's Search and Screen Committee, 1999-2000
- Patten Lecture Selection Committee, IU Bloomington, 1999- 2002
- President's Task Force on Proton Therapy, 1997-99
- Subcommittee on Public/Private Interaction (President's Task Force on Cost Reduction and Efficiency), Indiana University,1997-1998
- Elected to the University Graduate Council, 1996-1999
- Chair, Outstanding Junior Faculty Selection Committee, Academic Affairs and the Office of Dean of the Faculties, 1994-96
- Chair, IU Bloomington Campus Promotions Committee, Office of Academic Affairs and the Dean of Faculties, 1994-95
- Chair, Distinguished Faculty Research Lecturer Selection Committee, Research and University Graduate School, 1991-93
- Chair, Summer Faculty Fellowships Committee, Research and University Graduate School, 1991-92
- Chair, Task Force for Smoking Policy on Bloomington Campus, 1991-92
- Executive Committee of AAUP, Bloomington Chapter, 1979-81, 2003-2004

Professional

- ARVO Advocacy Committee, 2005-2009
- Awards Committee, American Academy of Optometry, 2009- present
- Association of Schools and Colleges of Optometry Board of Directors, 2008- 2010
- Board of Directors, American Academy of Optometry, 1998-2004
- President, American Optometric Foundation, 1997-1998
- President-elect, American Optometric Foundation, 1996-1997
- Board of Directors & Secretary/Treasurer, American Optometric Foundation, 1995
- Council on Research, American Optometric Association, 1997- 2009
- Academic Affairs Committee, Association of Schools and Colleges of Optometry, 1996-1998
- Nominations Committee, American Academy of Optometry, 1994, 1996
- President, Indiana Chapter of the American Academy of Optometry, 1993-95
- Task Force, Journal of *Optometry and Vision Science*, 1992
- President-Elect, Indiana Chapter of the American Academy of Optometry, 1991-93
- Editorial Council, Journal of *Optometry and Vision Science*, 1991-93
- Secretary-Treasurer, Indiana Chapter of the American Academy of Optometry, 1989-91
- Vice-President, American Association of Contact Lens Educators, 1982-84
- Secretary/Treasurer, American Association of Contact Lens Educators, 1980-82

Teaching

Courses developed and taught

- V643 Ocular Pathology (1993-94)
- V700 Introduction to Visual Sciences (1995-1999)
- V648 Physical Diagnosis (1979-84)
- V443 General Pathology (1978-85)

Courses redesigned and taught

- V516 Ocular Physiology, Anterior Segment (1997-1998)
- V232 Procedures in Contact Lens Practice (1988-2004)
- V552 Contact Lenses II (1983-92)
- V444 Ocular Diseases (1978-82)
- V544 Ocular Diseases (1978-82)

Courses taught

- V633 Contact lenses I (1999- 2004)
- V111 Basic Optics (1976-80)

Team-taught courses

- V633 Contact lenses I (2000-2004)
- V765 Vision Sciences Seminar (1996-98)

- V752 Contact Lenses II (1996-2000)
- V513 Ocular Microbiology (1986-92)
- V699 Research Clinic/Optometry Clinics (1976-92, 99)
- V700 Introduction to Vision Sciences (1995-1999)
- V648 Physical Diagnosis (1979-84)
- Graduate Course in Ethics: 1 lecture, Differences between patients and subjects, 2001-present

Graduate Student Research and Advising

- P. Gifford (Helen Swarbrick-advisor) at the University of New South Wales, external Ph.D. thesis examiner (2009)
- J. Jayakumar (Helen Swarbrick-advisor) at the University of New South Wales, external Ph.D. thesis examiner (2005)
- Tracy Nguyen, Ph.D., NIH-K12 clinical scientist trainee, completed 2012
- Jie Shen, Ph.D. Chair, Research Committee (2003- 2005), completed 2011
- Danielle Warren, Ph.D., NIH-K12 clinical scientist trainee,
- Christopher Clark, PhD, Chair, Research Committee (2006-7)
- Yin Guo, Ph.D. Dissertation Committee (2004-2006), completed
- Nikole Himebaugh, Ph.D. Advisor (1997-1998), 1997 Chancellor's Fellow, 1998-99 AOF Ezell fellow, Ph.D. Advisory Committee (1999), completed
- Salih Al-Olikey, Ph.D. Dissertation Committee (1997-2000), completed
- David Evans, PhD, Dissertation Committee (1993-1998), completed
- Tom Salmon, PhD, Dissertation Committee (1992-1999), completed
- Maurice Rynders, PhD, Dissertation Committee (1992-1994), completed
- Harun Abdul Rahman, Masters Research Committee (1990-1991), completed
- Sassan Meshgin-Azarian, PhD, Dissertation Committee (1987-1994, completed
- Robert Miller, Advisor, Masters Research Committee, Chair (1979-1980), completed
- Stella Briggs, Masters Research Committee (1977), completed

Publications

1. Shen L, Clark CA, Soni PS, Thibos LN, Peripheral refraction with and without contact lens correction, Optom Vis Sci. 2010;87(9):642-55
2. Soni, PS, Overnight Orthokeratology, Saudi Journal of Ophthalmology, Volume 24, Special Issue on Saudi Ophthalmology 2010
3. Horner DG, Salmon T, Soni PS, Corneal Topography, Principles and Practice of Clinical Refraction, ed. William Benjamin and Irvin M. Borish, 2006.
4. Soni PS, Nguyen TT and XO Overnight Orthokeratology group, Overnight Orthokeratology experience with XO material, Eye and Contact Lens Journal, 2005 32(1): 39-45.
5. Siatkowski RM, Cotter S, Miller JM, Scher CA, Crockett RS, Novack GD, Soni PS, Nguyen TT, for the Pirenzepine Study Group, safety and Efficacy of 2% Pirenzepine Ophthalmic Gel in Children With Myopia; A 1-year A 1-Year, Multicenter, Double-Masked, Placebo-Controlled Parallel Study. Arch Ophthalmol 2004; 122:1667-74.

6. Soni PS, Nguyen TT and Bonanno J, Overnight Orthokeratology: refractive and corneal recovery following discontinuation of reverse geometry lenses, Eye and Contact Lens Journal, 2004 30(4): 254-262.
7. Soni PS, Nguyen TT and Bonanno J, Overnight Orthokeratology: visual and corneal changes, Eye and Contact Lens, 2003. 29(3): 137-145.
8. Soni PS, Patel R, Carlson RS, Is ocular contrast sensitivity at distance compromised with multifocal soft contact lenses used to correct presbyopia? Optometry & Vision Science, 2003. 80(7): 505-514.
9. Joseph A. Bonanno, Tracy Nguyen, Trina Biehl, Sarita Soni. "Can variability in corneal metabolism explain the variability in corneal swelling?" Eye and Contact Lens Journal, 2003 29(1S): S7-9.
10. Nguyen T, Soni PS, Brizendine E., Bonanno JA., Variability in hypoxia-induced corneal swelling is associated with variability in corneal metabolism and endothelial function. Eye Contact Lens Journal. 2003. 29 (2): 117-125.
11. Ciulla TA, Danis RP, Klein SB, Malinovsky VE, Soni PS, Pratt LM, Pugh NO, Morphis JG, Bloch C, Cameron J. Proton therapy for exudative age-related macular degeneration: a randomized, sham-controlled clinical trial, Am J Ophthalmol. 2002. 34(6): 905-6.
12. Soni PS and Nguyen TT, Point Counter Point: Laser Refractive Surgery versus Orthokeratology, Letter to the editor, Cataract & Refractive Surgery Today 2002;2:14.
13. Soni PS and Nguyen TT, Point Counter Point: Laser Refractive Surgery versus Orthokeratology, Cataract & Refractive Surgery Today2002;2: 29-30.
14. Joseph A. Bonanno, Thomas Stickel, Tracy Nguyen, Trina Biehl, Donna Carter, William J. Benjamin, P. Sarita Soni, Direct Estimation of Human Corneal Oxygen Consumption by Non-invasive Measurement of Tear Oxygen Tension While Wearing Hydrogel Contact Lenses, Invest. Ophthalmol & Vision Sci, 2002. 43(2): 371-376.
15. Soni PS and Nguyen TT, Overnight Ortho-K, Primary care Optometry News 7(2), February 2002.
16. Horner DG, Soni PS, Goss D, What is the Relationship Between Axial Elongation and Myopia Progression? Proceedings of the VIII International Conference on Myopia, Boston, MA, July 7-9 2000.
17. Soni PS, What do you recommend for a child whose myopia is progressing? Primary Care Optometry News, to be published February 2000.
18. Horner DG, Soni PS, Vyas N, Himebaugh NL, Longitudinal Changes in Corneal Asphericity in Myopia, Optometry & Vision Science, 2000. 77: 198-203.
19. Soni PS, Optometry's Research Profile: We are on the way up, how high can we go? JAOA, February 2000.
20. Moore B, Lyons S, Walline J, Bartolone A, Harris, Kattouf V, Mutti D, Soni PS, Twelker JD, A clinical review of hyperopia in children, JAOA, 1999. 70(4): 215-224.
21. Horner DG, Soni PS, Salmon TO, Schroeder TL, Myopia Progression in Adolescent Wearers of: Soft Contact Lenses vs. Spectacles, Optometry & Vision Science, 1999. 76(7): 474-479.
22. Bradley A, Soni PS, Report from Washington, Indiana Journal of Optometry, December 1998.

23. Soni, PS, Carrying the Torch - The Ezell Legacy, Optometry & Vision Science, 1998, 75(5):303.
24. Terry, RL, Soni, PS, Horner DG, Spectacles, Contact Lenses and Children's Self-Concepts: A longitudinal Study, Optometry & Vision Science, 1997. 74(12): 1044-1048.
25. Horner DG, Salmon T, Soni PS, Corneal Topography, Principles and Practice of Clinical Refraction, ed. William Benjamin and Irvin M. Borish, 1997.
26. Soni PS, Horner DG, Ross J, Ocular Response to lens Care systems in Adolescent Soft contact lens Wearers, Optometry & Vision Science, 1996. 73(2): 70-85.
27. Soni PS, Horner DG, Jimenez L, Rounds, Will Young Children Comply and Follow Instructions to Successfully Wear Soft Contact Lenses? CLAO, 1995. 21(2): 86-92.
28. Soni, PS, Editorial: Body, Research and Creative Activity, Indiana University, Vol. XVIII, Number 2, June 1995.
29. Soni, PS, Editorial: 175th Anniversary, Research and Creative Activity, Indiana University, Vol. XVIII, Number 1, February 1995.
30. Soni PS, Carmichael A, Editorial: Technology, Research and Creative Activity, Indiana University, Vol. XVII, Number 2, 1994.
31. Soni PS, Carmichael A, Editorial: Memory, Research and Creative Activity, Indiana University, Vol. XVII, Number 1, 1994.
32. Horner DG, Mandell RD, Armitage KS, Wormsley KA, Soni PS, Time Constants of Corneal Molding Recovery Following Ortho-K Lens Wear. Archives of the American Society of Ophthalmology and Optometry, 1993. 316-324.
33. Soni PS, Horner DG, Orthokeratology, Clinical Contact Lens Practice, ed. Bennett and Weissman, Lippincott Co., Philadelphia, 1993.
34. Rahman HA, Bradley A, Soni PS, Zhang X, Letter contrast sensitivity with simultaneous vision bifocal contact lenses, Am. J. Optom. & Physiol Optics, 1993. 70(6): 476-481.
35. Soni PS, Editorial: Cognitive Science, Research and Creative Activity, Indiana University, Vol. XVI, Number 2, 1993.
36. Soni PS, Editorial: Latin America, Research and Creative Activity, Indiana University, Vol. XVI, Number 1, March 1993.
37. Horner DG, Wheeler WH, Soni PS, Gerstman DR, Heath GG, A Non-invasive Alternate to Radial Keratotomy, Ophthalmic and Vision Optics Technical Digest , 1992.
38. Horner DG, Soni PS, Wheeler WH, Gerstman DR, Heath GG, Myopia Reduction: RGP Lenses vs. Refractive Corneal Surgery, Proceedings of the 1991 NE State University Symposium on Theoretical and Clinical Optometry, 1992.
39. Soni PS, The Ten Most Common Questions that Pharmacists Ask About Contact Lenses and Contact Lens Care, Pharmacy Times, 1992.
40. Soni PS, Editorial: Literacy and Learning, Research and Creative Activity, Indiana University, Vol. XV, Number 2, March 1992.
41. Soni PS, Book Review: The Eye in Systemic Disease, Lippincott, Journal of Optometric Education, January 1992.
42. Soni PS, Editorial: The Environment, Research and Creative Activity, Indiana University, Vol. XV, Number 3, December 1992.

43. Soni PS, What are the Supply Sources of Clinical Science Faculty Personnel to Meet the Future Needs of the School and Colleges of Optometry, Journal of Optometric Education, 18(1): 24-25, 1992.Heath GG, Gerstman DR, Wheeler WH, Soni PS, Horner DG, Reliability and validity of videokeratoscopic measurements. Optom Vis Sci, 1991. (68): 946-949.
44. Horner DG, Soni PS, Heath GG, Gerstman DR, The Management of a Scarred Cornea with an RGP Contact Lens, ICLC, 1991. 8(1&2): 9-13.
45. Soni PS, Horner DG, Gerstman DR, Heath GG, The Management of Keratoconus Using the Corneal Modeling System and a Piggy-Back System of Contact Lenses, J Am. Optom. Assoc., 1991. 62(8): 593-597.
46. Soni PS, Contact Lenses and Their Care, Pharmacy Times, 1990, 56(9): 73-82.
47. Soni PS, Hathcoat G, Complications Reported with Hydrogel Extended Wear Contact Lenses, Am J. Optom & Physiol Optics, 1988. 65(7): 545-551.
48. Bevington R, Cole T, Davis H, Jacobs J, Moore J, Rich G, Soni PS, Tomlinson A, Evaluation of BAK in a Soaking/Disinfecting RGP Regimen, Contact Lens Spectrum, 1988. 3(3): 30-39.
49. Diefenbach CB, Soni PS, Gillespie BJ, Pence NA, Extended Wear Contact Lens Movement Under Swimming Pool Conditions, Am. J. Optom. Physiol. Optics, April 1988. 65(a): 710-716.
50. Soni PS, Expert Opinion: Preventing and Treating CL Complications, Contact Lens Forum, 1987, 12(1): 12
51. Soni PS, Pence NA, DeLeon C, Lawrence S, The Feasibility of Extended Wear Lens Use in Chlorinated Swimming Pools, Am. Acad. of Optom Physiol Optics, 1986. 63(3); 171-176.
52. Soni PS, Neuhoff L, The Prevalence of Iris Coloration in the Population, Int. Contact Lens Clinic, 1985. 12(3): 170-174.
53. Stoehr D, Soni PS, The Correlation of Bacterial Eye Infections to Nose and Throat Infections, Int. Eye Care, 1985. 1(1): 55-62.
54. Soni PS, Corneal Adaptation to Contact Lenses Following Oral Contraceptive Use, Optician, (UK.) 1982. 4734(183): 20-33.
55. Bennett ES, Soni PS, Developing the Model Contact Lens Curriculum, J. of Optom. Education, 1983, 8(3): 8-11.
56. Borish IM, Soni PS, Bifocal Contact Lenses, J. Am. Optom. Assoc, 1982. 53(3): 219-229.
57. Soni PS, Effects of Oral Contraceptive Steroids on Corneal Curvature, Am. J. Optom & Physiol. Optics., 1982. 59(2): 199-201.
58. Soni PS, Robirds SR, Changes in Corneal Thickness and Oxygen Uptake During Adaptation to Four Commonly Prescribed Contact Lenses, Journal B.C.L.A., 1982. 5(3): 17-126.
59. Soni PS, Importance of General Pathology in the Optometric Curriculum, J. Am. Optom. Assoc., 1981. 52(9): 697.
60. Tomlinson A, Soni PS, Peripheral Curve Design and the Tear Pump Mechanism of Soft Contact Lenses, Am. J. Optom. & Physiol. Optics, 1980. 57(6): 356-359.
61. Soni PS, Effects of Oral Contraceptive Steroids on Human Corneal Thickness, Am. J. Optom. & Physiol. Optics, 1980. 57(11): 825-834.
62. Tomlinson A, Soni PS, The Effect of the Design and Fitting of Soft Lenses on Corneal Physiology, Journal B.C.L.A, 1980. 3(4): 161-167.

63. Soni, PS, Tomlinson A, Astigmatic Correction with the Durasoft II Hydrophilic Contact Lens, Review of Optometry, 1979. 116(4): 63-66.
64. Soni PS, Borish IM, Central and Peripheral Corneal Thickness, Int. Contact Lens Clinic, 1979. 6(4): 196-200.
65. Soni PS, Borish IM, Keech PM, Corneal Thickness Changes with Toric Soft Lenses: Prism Ballasted Versus Non-Prism Ballasted Design, Int. Contact Lens Clinics, 1979. 6(5): 205-211.
66. Soni PS, Photographic Atlas, Int. Contact Lens Clinic, 1979. 6(6): 258-259.
67. Soni PS, Photographic Atlas, Int. Contact Lens Clinics, 1978. 5(6): 284-286.
68. Soni PS, Compressive Lesions of the Chiasm and the Effects of Treatment Part I., Optom. Weekly, 1977. 68(11): 312-315.
69. Soni PS, Compressive Lesions of the Chiasm and the Effects of Treatment, Part II., Optom Weekly, 1977. 68(12): 331-333.
70. Soni PS, the "Vision Analyzer". A New Instrument for Subjective Refraction, Ophthal. Optician, 1977. 17(14): 535-538.
71. Soni PS, "Vision Analyzer" - Suddeutsch Optikergeitung, 1977. 32(9): 13-17.
72. Soni PS, Applanation Tonometer Correlation, Am. J. Optom. & Physiol. Optics, 1977. 54(12): 834-836.

Published Reviewed Research Abstracts (last 10 years)

1. Clark C, Soni PS, Thibos L, Changes in Peripheral Refractive Error Due to Accommodation and Higher Order Aberration, Invest. Ophthalmol & Vision Sci, 2008
2. Clark C, Soni PS, Thibos L, Monochromatic aberrations of the Human Eyes In the Horizontal Visual Field With and Without Soft Contact Lenses, Optometry & Vision Sci, 2007
3. Shen J, Clark C, Soni PS, Thibos L, Corneal Effects on Peripheral Refraction With And Without orthokeratology Treatment, Optometry & Vision Sci, 2007
4. Kluemper R, Soni PS, Do words matter in detecting if patients are “Sleeping” with Daily Wear Soft Contact Lenses? Invest. Ophthalmol & Vision Sci, 2007
5. Clark C, Shen J, Soni PS, Thibos L, Peripheral refractive error with spherical, multifocal, and orthokeratology correction, Invest. Ophthalmol & Vision Sci, 2007
6. Clark C, Wong J, Soni PS, Corneal Response in Daytime and Nighttime Orthokeratology Wear with Increases in Myopia, Optometry & Vision Sci, submitted 2006
7. Shen J, Clark C, Soni PS, Peripheral Refraction Across Horizontal Visual Field With And Without Contact Lenses, Invest. Ophthalmol & Vision Sci, 1174/B392006
8. Kamei Y, Cassar K, Shen J, Soni PS, Short-term corneal changes in closed eye condition with orthokeratology lenses, Invest. Ophthalmol & Vision Sci, 2005.
9. Archer A, Lukkes D, Nguyen TT, OD, Soni PS, Eyelid cornea relationship on contact lens position on Asian and Caucasian eyes, Optometry & Vision Sci, 2004**,** 81(12s): p. 75.
10. Eislet T, Horton D, Nguyen TT, Soni, PS, Rate of change in corneal curvature, refractive error and visual acuity with Paragon CRT® lenses, Optometry & Vision Sci, 2004**,** 81(12s): p.71.

11. Guo Y, Soni PS, Wilson G, Cell Shedding in Overnight Orthokeratology, Invest. Ophthalmol & Vision Sci, 2004
12. Soni PS, Satpathy M., Nguyen T, Watsky M, Srinivas SP, Lysophosphatidic Acid-induced Phosphorylation of Myosin Light Chain (MLC) in Cultured Fibroblasts From Bovine Cornea Invest. Ophthalmol & Vision Sci, 2004.
13. Poudyal R, Nguyen T, Soni S, Topographical and Anatomical characterization of keratoconic cornea, Optometry & Vision Sci, 2003. 80(12s): 52.
14. Srinivas SP, Nguyen T, Kambadur P, Bonanno J, Soni PS, Rapid measurement of tear oxygen underneath soft contact lenses by phase-domain phosphorescence, Optometry & Vision Sci, 2003. 80(12s): 98.
15. Moore D, Nguyen T, Soni PS, Effect of proparacaine on corneal permeability, Optometry & Vision Sci, 2003. 80(12s): 98.
16. Nguyen T, Soni S, Does Barrier integrity and Epithelial Energy Metabolism Change in Overnight Orthokeratology, ISCLR, Spain, September 2003.
17. Guo Y, Nguyen T, Soni S, Wilson G, Cell Shedding in Overnight Orthokeratology, ISCLR, Spain, 2003.
18. Bonanno J, Nguyen T, Biehl T, Coe C, Soni S, Metabolic Adaptation of Corneal Epithelium following Hypoxia, Invest. Ophthalmol & Vision Sci, 2003, 1369/B265.
19. Soni PS, Nguyen TT, Sharma D, Which corneal parameter, anterior corneal curvature, posterior corneal curvature, or corneal thickness is most sensitive to acute changes with reverse geometry orthokeratology lenses? Invest. Ophthalmol & Vision Sci, 2002.
20. Nguyen TT, Soni PS, Carter D, Biehl T, Corneal changes associated with overnight orthokeratology, Invest. Ophthalmol & Vision Sci, 2002.
21. Soni PS and Nguyen TT, Corneal and refractive changes in orthokeratology, American Academy of Optometry, International Meeting, Munich, Germany, April 2002.
22. Soni PS Soni PS and Nguyen TT, Refractive and optics changes in orthokeratology, International Society of Contact Lens Society, Belfast, Northern Ireland, April 2002.
23. Joy J, Rousch E, Soni PS, Fitting characteristics of Vistakon's Acuvue and Acuvue 2 lenses? Optometry & Vision Sci, 2001: 78(12s): 54.
24. Nguyen TT, Soni PS, Carter D, Biehl T, Visual and central corneal thickness changes associated with overnight orthokeratology, Optometry & Vision Sci, 2001: 78(12s): 62.
25. Soni PS, Patel R, Carlson RS, Does the binocular distance contrast sensitivity and high and low contrast distance acuity have a relationship in a presbyopic population wearing various contact lenses? Invest Ophthalmol & Vision Sci, 2001: 42(4): S851.
26. Nguyen T, Soni PS, Does subjective response to corrective devices worn by subjects reflects objective acuity measures at distance and near? Invest Ophthalmol & Vision Sci, 2001. 42(4): S860.
27. Thuente DD, Ciulla TA, Danis RP, Pugh N, Morphis J, Klein JS, Malinovsky V, Soni PS, Pratt LM, Carter D, Midwest Proton Radiation Therapy Study Group. A randomized sham-controlled trial of proton irradiation for exudative age-related macular degeneration, Invest Ophthalmol & Vision Sci, 2001: 42(4): S233.

28. Bonanno J, Nguyen T, Biehl T, Carter D, Soni PS, Can variability in corneal metabolic activity explain inter subject variability in hypoxic corneal swelling? Invest Ophthalmol & Vision Sci, 2001: 42(4): S590.
29. Himebaugh NL, Thibos LN, Soni PS, Quality of retinal image with soft contact lenses designed to correct presbyopia, Optometry & Vision Sci, 2000: 77(12s): 196.
30. Werntz A, Carter DK, Perkins DR, Soni PS, Does bifocal soft contact lens movement affect visual acuity through the lenses? Optometry & Vision Sci, 2000. 77(12s): 161.
31. Sidock NC, Werntz AC, Patel R, Carlson RS, Mansfield JS, Soni PS, A comparison of reading performance: bifocal and multifocal soft contact lenses versus a combination of soft contact lenses with reading glasses, Optometry & Vision Sci, 2000. 77(12s): 162.
32. Carlson RS, Patel R, Sidock NC, Soni PS, Does small uncorrected residual cylinder significantly affect distance and/or near visual acuity of a spherical soft contact lens? Optometry & Vision Sci, 2000. 77(12s): 157.
33. Valluri S, Soni PS, Himebaugh NL, To dilate or not to dilate during pregnancy? Invest. Ophthalmol & Vision Sci, 2000. 41(4): S592.
34. Himebaugh NL, Willenbring M, Childs V, Soni PS, Horner DG, Thibos LN, The Optical Effects of Acute Orthokeratology, Optometry & Vision Sci, 1999. 76(12s): 170.
35. Fedders K, Gulbranson A, Nair N, Horner DG, Soni PS, Orthokeratology: to fit empirically or to use diagnostic lenses? Optometry & Vision Sci, 1999. 76(12s): 170.
36. Willenbring M, Childs V, Himebaugh NL, Horner DG, Soni PS, Acute effects on refractive error and corneal curvature with a flat fitting contact lens, Optometry & Vision Sci, 1999. 76(12s): 171.
37. Himebaugh NL, Horner DG, Lowther G, Soni PS, A comparison of anterior corneal topography measured by Orbscan and the EyeSys system 2000, Invs. Ophtalmol & Vision Sci, 1999. 40(4): S902.

Grants and Contracts

1. An Indo-US Joint R & D Network Joint Centre on 'Optometry & Ophthalmology', Indo–US Science and Technology Forum Award, May 2012
2. Photochromic prototype development, Essilor (2009-10)
3. Establishing A Basic-Sciences Cancer Program at IU Bloomington (IU-BSCC), collaborators Michael McRobbie and Theodore Widlanski, Walther Cancer Institute, 2006
4. Anti-Fatigue prototype, Essilor (2006-07)
5. Antireflection coating on spectacle lenses, Essilor (2005).
6. Prototype Progressive addition lenses, Essilor (2005-07).
7. Eye and Head Movements: Progressive Addition Lenses, Essilor (2005)
8. National Institutes of Health, National Eye Institute, Institutional Clinical Scientist Development Program, 2004-2009

9. Bifocal soft contact lenses, Softfocal, (2004 & 2005)
10. Patient-based Research in Ocular Disease, Commitment to Excellence, Indiana University, Bloomington, 2004
11. Overnight orthokeratology with Boston XO lens, Polymer Technology, (2003-2004)
12. Intermediate visual acuity with progressive addition lenses, Essilor Inc., (2003-04)
13. Mechanism Investigation of Overnight Orthokeratology, Polymer Technology, (2002-2003)
14. Myopia Progression, Valley Forge Pharmaceuticals, (2000-04)
15. Progressive Addition Spectacle Lens study, Essilor Inc., (2000-03)
16. Bifocal Soft Contact Lens Designs and subject acceptability, Bifocon, (2000)
17. Myopia Progression, Valley Forge Pharmaceuticals, (2000-02)
18. Progressive Addition Spectacle Lens study, Essilor Inc., (2000-03)
19. Corneal Metabolism, National Institutes of Health, co-investigator, (PI Bonanno) 2000-03
20. Bifocal Soft Contact Lens Designs and subject acceptability, Bifocon, (2000)
21. Progressive lens fitting study, Essilor Inc., (1999)
22. Toric soft contact lens performance, Vistakon (Johnson & Johnson), (1999)
23. Progressive lens fitting study, Essilor Inc., (1999)
24. Toric soft contact lens performance, Vistakon (Johnson & Johnson), (1999)
25. Double-masked study of Progressive Addition Lenses (PAL), Essilor Inc., (1997-8)
26. Pearl Vision Foundation for investigational use of protons for macular degeneration (with AMD Group), (1997)
27. Intercampus research grant for investigational use of protons for macular degeneration, a multidisciplinary, intercampus award (with AMD Group), (1997)
28. Soft contact lens performance, Vistakon, (1996-97)
29. Teens, seasons and contact lenses, Vistakon (Johnson & Johnson), (1996-97)
30. Comfort vs. Lens Movement, Vistakon, (1995-96)
31. Endothelium Cell Analysis System, Research Facilities Fund, Research and the University Graduate School, (1995-96)
32. Orthokeratology, lens design and fitting, Contex Inc. Vistakon, (1995)
33. Borish Center Endowment fund (pledged since 1995)
34. Development for Borish Center for Ophthalmic Research, Research and the University Graduate School, Chancellor's office IUB, School of Optometry, Indiana Chapter of the American Academy of Optometry, American Optometric Foundation, (1995)

Selected Presentations

1. Fitting Children with Contact Lenses, Indian Vision Institute, Hyderabad, India, May 2012
2. Promise and Perils of Overnight Orthokeratology, LV Prasad Eye Institute, Hyderabad, India, December 2010

3. Concurrent Afternoon Tutorial A4- What makes for a successful Indo-US network-enabled collaboration? Development and Enhancement of International Collaborations, especially between Indiana University and Institutions of Higher Education in India, US – India Network-enabled research collaboration workshop, Sponsored by NSF, Dec 2010, Delhi, India
4. Grading Scales, Elite School of Optometry, International Vision Science and Optometry Conference, Chennai, India August, 2010
5. Correction of Astigmatism with Soft Contact Lenses, Saudi Ophthalmology 2010, Riyadh, Saudi Arabia, February 2010
6. Myopia Progression and Contact Lens Use, Saudi Ophthalmology 2010, Riyadh, Saudi Arabia, February 2010
7. Fitting Children with Contact Lenses, Saudi Ophthalmology 2010, Riyadh, Saudi Arabia, March 2010
8. Presbyopia Correction with Contact Lenses, Saudi Ophthalmology 2010, Riyadh, Saudi Arabia, March 2010
9. Ophthalmic Optics, Saudi Ophthalmology 2010, Riyadh, Saudi Arabia, March 2010
10. Workshop on CRT (overnight orthokeratology), Sankara Nethralaya Hospital, Chennai, March 14, 2008
11. Graduate Education in the United States, Elite School of Optometry, Chennai, India, March 14, 2008
12. Workshop on CRT (overnight orthokeratology), Aditya Joyt Hospital, Mumbai, March 13, 2008
13. Overnight Orthokeratology and Corneal Physiology, University of Houston, Houston, Texas, April 2007
14. Basics of overnight orthokeratology, Elite School of Optometry, Chennai, India, January 23, 2007
15. Corneal Reshaping, Mumbai, India, January 27, 2007
16. Interdisciplinary Research: NIH Roadmap, IMGEN Steering Committee, IU School of Medicine, 2006
17. Motivating and Inspiring People, 2006 Summer Invitational, Ohio State University, August 2006
18. Promise and Perils of Overnight orthokeratology, University of Houston, College of Optometry, Research Seminar, November 3, 2005
19. Promise and Perils of Overnight orthokeratology, Elite School of Optometry, International Vision Science and Optometry Conference, Chennai, India August 13-15, 2005
20. Workshop on Overnight Orthokeratology, Elite School of Optometry, Chennai, India, August 12, 2005
21. Update on overnight orthokeratology, International Society of Contact Lens Specialists, Saint Paul de Vance, France, June 2005.
22. Telemedicine potential at Indiana University, United States Army Medical Research and Material Command Center (USAMRMCC), Telemedicine and Advanced Technology Research Center (TATRC), Fort Detrick, May 2005.

23. Overnight Orthokeratology research presentation and discussion of future projects, Polymer Technology, Wilmington, MA, November 2004.
24. Ophthalmic Optics, presentation to Essilor executives and Research Group, Paris, October 2004.
25. Orthokeratology update, Indiana University School of Optometry Continuing Education Program, Bloomington, Indiana, July 2004.
26. Effect of Overnight Orthokeratology Lenses on Corneal Physiology, Global Orthokeratology Symposium, Toronto, Canada, July 2004.
27. Following Discontinuation of Reverse Geometry Lenses, Contact Lens Association of Ophthalmology (CLAO)-CRT Research Symposium, Fort Lauderdale, Fl, May 2004.
28. Overnight Corneal Reshaping, American Academy of Optometry, Hawaii, April 2004.
29. Today's Research- Tomorrow's Practice: Corneal and Contact Lenses, American Academy of Optometry, Hawaii, April 2004.
30. Overnight orthokeratology: Visual and Corneal changes, Japanese Contact Lens Society, Osaka, Japan, July 2003.
31. Update on Xo Clinical Trial in US, Fukuoka, Japan, April 2003.
32. Possible mechanistic changes due to overnight orthokeratology, University of Manchester Institute of Science and Technology, Manchester, England June 2002.
33. Refractive and optics changes in orthokeratology, International Society of Contact Lens Society, Belfast, Northern Ireland, June 2002.
34. Corneal and refractive changes in orthokeratology, American Academy of Optometry, International Meeting, Munich, Germany, April 2002.
35. Clinical Research in Ophthalmic Optics, Association of Schools and Colleges of Optometry, Tampa, Florida, August 2001.
36. Orthokeratology Lens Fitting, Lucerne, Switzerland, September 2000.
37. Panamic and Comfort Progressive Lenses, Villamoura, Portugal, June 2000.
38. Panamic Progressive Addition Lenses, Biloxi, Mississippi, February 2000.
39. Clinical trial of Comfort and Panamic Progressive Addition Lenses, Tampa, Florida, January 2000.
40. When, why And How To Respond To A Request By A Mother To Fit Her Young Child With Contact Lenses? American Academy of Optometry International Meeting, Madrid, Spain, April 2000.
41. Progressive lens responses, Essilor, Paris, July 1999.
42. Orthokeratology Oxyopia, NOVA Northeastern University, Fort Lauderdale, April 1999.
43. Compliance, University of California, Berkeley, November 1998.
44. Continuing Education on the Internet, Indiana Chapter of the American Academy of Optometry, Eye Care for All Ages, Indianapolis, March 1998.
45. Why Orthokeratology? Oxyopia, Indiana University School of Optometry, 1997-98.
46. Management of Irregular Cornea, Florida Optometric Association, October 1997.
47. Contact Lens Related Complications, A 12-hour course to China Scholars Program, New England College of Optometry, July 1996.

48. Teens in Contact Lenses: Fitting and Care, American Academy of Optometry, International Meeting, Copenhagen, May 1996.
49. Contact Lenses for Infants and Adolescents, State University of New York, New York, May 1996.
50. Adolescents in Contact Lenses, Issues of Interest, Vistakon, Jacksonville, January 1996.
51. Adolescents in Contact Lenses: Fitting and Care, Ellerbrock Continuing Education Program, American Academy of Optometry Annual Meeting, New Orleans, December 1995.
52. Contact Lens Complications, A 12-hour course to China Scholars Program, New England College of Optometry, November 1995.
53. Development of Grant Proposals for Corporations, Social Sciences Workshop, Research and the University Graduate School, Indiana University, July 1995.
54. Women in Science, Graduate Student Seminar, Indiana University, April 1994.
55. Development of Grant Proposals for Corporations, Social Sciences Workshop, Research and the University Graduate School, Indiana University, July 1994.
56. An Update on the Teen Study, CIBA Vision Care, Atlanta, April 1994.
57. Refractive Changes in Children Wearing Soft Contact Lenses, Oxyopia, Indiana University School of Optometry, April 1994.
58. Press Conference with CIBA Vision and Professional Press, Philadelphia, November 1993.
59. Orthokeratology as an Alternative to Refractive Surgery, Illinois Optometric Association, Peoria, October 1993.
60. Children in Contact Lenses, Illinois Optometric Association, Peoria, October 1993.
61. Management of Irregular Corneas, Illinois Optometric Association, Peoria, October 1993.
62. Development of Grant Proposals for Corporations, Social Sciences Workshop, Research and the University Graduate School, Indiana University, July 1993.
63. Orthokeratology, Florida Chapter of American Academy of Optometry, Orlando, October 1992.
64. Soft Contact Lenses and Children, Florida Chapter of American Academy of Optometry, Orlando, October 1992.
65. Cornea Optical Zone Topography in Myopia Control and Disease and Trauma, Indiana Optometric Association Annual Convention, Indianapolis, April 1992.
66. Doing Research in Optometry School Clinic, Clinical Research Symposium, Annual Meeting of the American Academy of Optometry, Anaheim, December 1991.
67. Remediation of Myopia, 13th International Contact Lens Symposium, Montreal, October 1991.
68. Contact Lenses and Lens Care, Pharmacists, Chicago, November 1990.
69. Healthy Eyes Seminar, Academy of Pharmacy, Louisville, July 1990.
70. Dangers of Swimming in Contact Lenses, Annual Meeting of the American Academy of Optometry, New Orleans, Louisiana, December 1989.
71. Contact Lenses for the Aging Eye, Retired Federal Workers Organization, Bloomington, Indiana, October 1989.

72. Contact Lenses and Lens Care Regimen, National Retail Pharmacists Conference, Cincinnati, May 1989.
73. Utility of Corneal Modeling System, Indiana Chapter of the American Academy of Optometry, Bloomington, Indiana, April 1989.
74. Ocular Microbiology Techniques, Continuing Education, Indiana University School of Optometry, July 1988.
75. Corneal Research at the School of Optometry, Indiana Chapter of the American Academy of Optometry, Bradford Woods, Martinsville, Indiana, April 1988.
76. Update on Contact Lenses, Central Indiana Optometric Association, Indianapolis, September 1987.
77. Extended Wear Contact Lenses, CIBA Advisory Panel, Houston, November 1987.
78. Contact Lenses, Summer Institute in the Health Related Professions, Indiana University School of Optometry, July 1986-90.
79. Changes in Microbial Population: A Dynamic Situation, Annual Meeting of the American Academy of Optometry, Toronto, December 1986.
80. Oral Contraceptives and Contact Lens Wear, University of New South Wales, Sydney, Australia, April 1986.
81. Simulation of Swimming Pool Environment to Evaluate its Effects on Lens Movement, University of New South Wales, Sydney, Australia, April 1986.
82. Two-week course in contact lenses, Danish School of Optometry, Copenhagen, June 1984.
83. The Female Patient in Optometric Practice, American Optometric Student Association Annual Meeting, New York, November 1982.
84. Oral Contraceptives and Contact Lenses, Indiana Optometric Association and Indiana Chapter of the American Academy of Optometry Fall Seminar, Bloomington, Indiana, October 1982.
85. Oral Contraceptives and Contact Lens Wearers, National Research Symposium, Boston, August 1981.
86. Corneal Research at the School of Optometry, Wesley-Jessen, Chicago, April 1979.
87. National Research Symposium, Corneal Thickness Change with Toric Soft Lenses (with Drs. Borish and Keech), Atlanta, August 1978.
88. Principles of Immunology, Illinois College of Optometry, November 1977.