Curriculum Vitae

SANTANU DE

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Google Scholar: scholar.google.com/citations?hl=en&authuser=1&user=D-OqJ_EAAAAJ

EMPLOYMENT:

Associate Professor, 2023 – present
Assistant Professor, 2018 – 2023
Department of Biological Sciences, Halmos College of Arts and Sciences, Nova Southeastern University
3301 College Avenue, Fort Lauderdale, Florida 33314, United States of America
Duties: Teaching lecture and lab courses in Anatomy and Physiology, and Human Biology; research; service.

Visiting Professor (full-time), 2016 – 2018
Department of Biomedical Sciences, Grand Valley State University
212 Henry Hall, 1 Campus Drive, Allendale, Michigan 49401, United States of America
Duties: Teaching lecture and laboratory courses in Anatomy and Physiology.

Postdoctoral Research Assistant, 2016
Department of Animal Sciences, Purdue University
915 West State Street, West Lafayette, Indiana 47907, United States of America
Duties: Laboratory research in reproductive biology.

Biology Subject Matter Expert and Content Developer, 2015
PrepGenie Educational Resources, Ensine Knowledge Systems Private Limited
BB – 164, Sector 1, Salt Lake City, Kolkata, West Bengal 700064, India
Duties: Developing preparatory material for international medical/pharmacy college admission tests.

Postdoctoral Fellow, 2014 – 2015
Life Sciences, Yale-NUS College (a collaboration of Yale University with National University of Singapore)
16 #01-220, College Avenue West, Singapore 138527
Duties: Laboratory research in developmental physiology.

Graduate (Teaching) Assistant, 2008 – 2014
Department of Biological Sciences, Kent State University
256 Cunningham Hall, Kent, Ohio 44242, United States of America
Duties: Coordinating and teaching several laboratory and lecture courses in Biology.

Junior Research Fellow, 2008
National Institute of Cholera and Enteric Diseases
P-33, C.I.T. Road, Scheme XM, Beleghata, Kolkata 700010, India
Duties: Laboratory research in molecular biology.

POST-SECONDARY EDUCATION:

Doctor of Philosophy (Ph.D.) in Physiology, 2008 – 2014
Department of Biological Sciences, Kent State University, Kent, Ohio, United States of America

Master of Science (M.Sc.) in Biophysics, Molecular Biology and Genetics, 2005 – 2007
Rajabazar Science College, University of Calcutta, Kolkata, West Bengal, India

Bachelor of Science (B.Sc.) in Physiology (Honors) with Chemistry and Zoology, 2002 – 2005
Presidency College, University of Calcutta, Kolkata, West Bengal, India.

PUBLICATIONS:

Book Chapter:

1. **De S**. Impacts of the COVID-19 pandemic on global education. COVID-19 pandemic update 2020**,** Royal Book Publishing, 2020, Chapter 6, pp. 84-94.

Articles:

1. Patel J[*] and **De S**[+]. How did COVID-19 Impact Physiology Research Globally? – Lessons Learned and Future Recommendations. *Mako: NSU Undergraduate Student Journal* (accepted).
2. Chheda H.[*] and **De S**[+]. Evolution of Global Anatomy Research through COVID-19: A Post-Pandemic Evaluation. *FDLA Journal*, Vol. 8, Article 10, 2024.
3. Indorewala Y[*] and **De S**[+]. Global Implications of COVID-19 on Education and Research in Healthcare and STEM: Analysis of Case Studies. *FDLA Journal*, Vol. 8, Article 2, 2024.
4. Vuppala R[*], Saleh O[*], Kapil A[*], **De S**[-], and Sikora A[+]. Analysis of Learning in a Novel Biochemistry Lab CURE Using Self-Reported Student Mastery Assessments. *Journal of Biological Chemistry*, Volume 300, Issue 3, 2024.
5. Patel S[*] and **De S**[+]. How did COVID-19 Influence Anatomy Education Around the World? *AIJR Preprints*, 492, Version 1, 2023.
6. Patel J[*] and **De S**[+]. Impact of COVID-19 on Physiology Research: Global Lessons Learned and Future Recommendations. *AIJR Preprints*, 491, Version 1, 2023.
7. Kapil A[*], Gonzalez LC[*], Pathak N[*], Sikora A[*], and **De S**[-]. Analysis of Attitudinal Student Learning Benefits from a Course-based Undergraduate Research Experience (CURE) Adapted for Online Format. *FDLA Journal*, Vol. 7, Article 2, 2023.
8. Cavanaugh G, Condry HM, Afable CF, Morris M, **De S**, Madison HE, Marshall J, Victor CP, and Weiner M. Immersive Learning and Participatory Engagement: Connecting in the Online Classroom Through Virtual Reality. *International Journal of Distance Education Technologies (IJDET)* 2023, 21(1), 1-19.
9. Hoang M[*] and **De S**[+]. Worldwide consequences of COVID-19 on research in STEM. *Advanced Journal of Graduate Research*, Vol. 11, no. 1, pp. 36-47, 2022.
10. Hallett J[*] and **De S**[+]. Global education in STEM and healthcare: Implications of COVID-19. *Advanced Journal of Social Science*, Vol. 10, no. 1, pp. 14–29, 2022.
11. Keating R[*], Vertiz LS[*], Manly V[*], Sastry A[*], **De S**[-], and Sikora A[+]. Quantification of learning gains in a science CURE: Leveraging learning objectives to substantiate and validate the benefits of experiential education. *The FASEB Journal*, Volume 36, Issue S1, 2022.
12. Kapil A[*], Gonzalez L[*], Pathak N[*], **De S**[-], and Sikora A[+]. Analysis of attitudinal student learning benefits from a Biochemistry CURE adapted for the online format. *The FASEB Journal*, Volume 36, Issue S1, 2022.
13. Autore S[*] and **De S**[+]. Impacts of COVID-19 on global healthcare management and research. *Advanced Journal of Graduate Research*, Vol. 11, no. 1, pp. 52-60, 2022.
14. **De S** and Arguello G. Teaching and assessing college STEM courses online during COVID-19: Evidence-based strategies and recommendations. *FDLA Journal*, Vol. 6, Article 7, 2021.
15. Hoang M[*] and **De S**[+]. Effects of COVID-19 on global research in STEM. *AIJR Preprints*, 331, Version 1, 2021.

16. Covington TR[*] and **De S**[+]. Binding partners of 14-3-3 (YWHA) protein isoforms among mammalian species, tissues, and developmental stages. *Advanced Journal of Graduate Research*, Vol. 10, no. 1, pp. 16-22, 2021.
17. Autore S[*] and **De S**[+]. Effects of COVID-19 on global healthcare research and management. *AIJR Preprints*, 314, Version 1, 2021.
18. Barley E[*] and **De S**[+]. Functional influence of 14-3-3 (YWHA) proteins in mammals, 2021. *Mako: NSU Undergraduate Student Journal*: Vol. 2021, Article 2.
19. **De S**[^] and Nethi V[^]. Impact of science mobile applications on interest and learning among undergraduate science students. *The Quarterly Review of Distance Education*, Volume 21(4), 2020.
20. Hallett J[*] and **De S**[+]. Effects of COVID-19 on education in healthcare and STEM. *AIJR Preprints*, 275, Version 1, 2020.
21. **De S**[^] and Arguello G[^]. STEM Education in College: An analysis of stakeholders' recent challenges and potential solutions. *FDLA Journal* 2020: Vol. 5, Article 9.
22. **De S**. The 14-3-3 (YWHA) proteins in mammalian reproduction. *International Annals of Science* 2020: Vol 10, Issue 1, pp. 48-55.
23. Kumrah N[*] and **De S**[+]. Expression and localization of the 14-3-3 (YWHA) protein family within mammals, 2020. *Mako: NSU Undergraduate Student Journal*: Vol. 2020, Article 2.
24. **De S**. Strategies of plant biotechnology to meet the increasing demand of food and nutrition in India. *International Annals of Science* 2020: Vol 10, Issue 1, 3-11.
25. **De S**. The 14-3-3 (YWHA) proteins in signalling and development of the fruit fly, *Drosophila melanogaster*. *International Annals of Science* 2020: Vol 9, Issue 1, 80-85.
26. Eisa AA[^], **De S**[^], Detwiler A, Gilker E, Ignatious AC, Vijayaraghavan, S, and Kline D. YWHA (14-3-3) protein isoforms and their interactions with CDC25B phosphatase in mouse oogenesis and oocyte maturation. *BMC Developmental Biology* 2019;19(1):20.
27. Nethi V[^] and **De S**[^]. The potential of socio-biologically relevant mobile applications to attract girls to STEM. *FDLA Journal* 2019: Vol. 4, Article 4.
28. **De S**. Identification and cloning of putative serine protease inhibitor (serpin) genes in rice (*Oryza sativa*) and a preliminary approach to generate RNAi using the cloned sequences. Biology Commons, 2019.
29. **De S**. Protein 14-3-3 (YWHA) isoforms and their roles in regulating mouse oocyte maturation. Kent State University, OhioLINK Electronic Theses and Dissertations Center, 2014.
30. **De S** and Kline D. Erratum to: Evidence for the requirement of 14-3-3eta (YWHAH) in meiotic spindle assembly during mouse oocyte maturation. *BMC Developmental Biology*. 2014;14(1):20.
31. **De S** and Kline D. Evidence for the requirement of 14-3-3eta (YWHAH) in meiotic spindle assembly during mouse oocyte maturation. *BMC Developmental Biology* 2013, 13:10.
32. **De S**, Marcinkiewicz JL, Vijayaraghavan S and Kline D. Expression of 14-3-3 protein isoforms in mouse oocytes, eggs and ovarian follicular development. *BMC Research Notes* 2012, 5:57.
33. **De S**. Food Safety: Steps of Rising Concern. *Everyman's Science* 2010, Vol. XLV No. 4, 219-222.
34. **De S** and Bandyopadhyay S. Molecular Taxonomy: An approach based on molecular markers. *Science and Culture* 2008, Vol-74, 397-496.

[^] *Equal Contribution (Co-First Author)*
[*] *Student Author*
[+] *Faculty Advisor*
[-] *Faculty Co-Advisor*

PRESENTATIONS AND ATTENDANCE AT PROFESSIONAL MEETINGS:

Oral:

1. Patel J[*], Chheda H[*], and **De S**[+]. COVID-19 implications for research worldwide in anatomy and physiology: Key challenges and recommendations. Life Sciences South Florida STEM Undergraduate Symposium, Florida International University, North Miami, Florida, 2024.
2. Patel S[*], Mahajan S[*], and **De S**[+]. Evaluating the impact of COVID-19 on global education in Anatomy and Physiology. University Research Symposium, University of West Alabama, 2024.
3. Patel S[*] and **De S**[+]. How did the COVID-19 pandemic impact Anatomy and Physiology education worldwide? Trick to the Treat of Internships and Research, Nova Southeastern University, 2023.
4. Mahajan S[*], Patel S[*], and **De S**[+]. A systematic analysis of global education in Anatomy and Physiology amidst COVID-19. Life Sciences South Florida STEM Undergraduate Symposium, Florida Gulf Coast University, Fort Myers, Florida, 2023 (***3rd Place Winning Oral Presentation***).
5. Patel S[*], Mahajan S[*], and **De S**[+]. Implications of COVID-19 in global Anatomy and Physiology education: a comprehensive analysis. Undergraduate Student Symposium, Nova Southeastern University, 2023.
6. Patel J[*], Chheda H[*], and **De S**[+]. Research in Anatomy and Physiology during COVID-19: global lessons learnt and future recommendations. Undergraduate Student Symposium, Nova Southeastern University, 2023.
7. Indorewala Y[*] and **De S**[+]. Review of case studies on education and research in global healthcare and STEM during COVID-19. Florida Distance Learning Association Conference (virtual), 2023.
8. Mahajan S[*], Patel S[*], and **De S**[+]. Global education in Anatomy and Physiology: lessons learnt and future recommendations. Trick to the Treat of Internships and Research, Nova Southeastern University, 2022.
9. Chheda H[*], Patel J[*], and **De S**[+]. Global research in Anatomy and Physiology: lessons learnt and future recommendations. Trick to the Treat of Internships and Research, Nova Southeastern University, 2022.
10. Indorewala Y[*] and **De S**[+]. COVID-19-impacted research and education in global healthcare and STEM: evaluation of case studies. Trick to the Treat of Internships and Research, Nova Southeastern University, 2022.
11. Mashiach A[*], Aguiar M[*], Persaud R[*], Sudhakar T[*], **De, S**[-], and Sikora A[+]. The importance of virtual learning in Biochemistry laboratory course to supplement wet-lab research. Life Sciences South Florida STEM Undergraduate Research Symposium (virtual), 2022.
12. Ghali M[*], Rubalsky K[*], Stepensky I[*], **De S**[-], and Sikora A[+]. Distance and interpersonal analysis on learning progression of undergraduate students enrolled in Biochemistry. Life Sciences South Florida STEM Undergraduate Research Symposium (virtual), 2022.
13. Indorewala Y[*] and **De S**[+]. Research and education in global healthcare and STEM during COVID-19: Analysis of case studies. Undergraduate Student Symposium, Nova Southeastern University, 2022.
14. Indorewala Y[*] and **De S**[+]. Global impacts of COVID-19 on education and research in healthcare and STEM: Analysis of case studies. Life Sciences South Florida STEM Undergraduate Research Symposium (virtual), 2022.
15. Cavanaugh G, Morris M, **De S**, Afable C, Madison H, and Marshall J. Health profession students' learning outcomes channeled by the adoption of a virtual classroom. Association of Schools Advancing Health Professions Annual Conference (virtual), 2021.
16. **De S**[^] and Arguello G[^]. Key strategies for effective pedagogy and assessment of college STEM courses online during COVID-19. Florida Distance Learning Association Conference (virtual), 2021.
17. Pathak N[*], Tariq M[*], **De S**[-], and Sikora A[+]. Analysis of student mastery of anticipated learning outcomes during a BlendFlex STEM CURE using a combination of self-reported and empirical analysis. American Chemical Society meeting (virtual), Spring 2021.

18. Kapil A[*], Pathak N[*], Sikora A[+], and **De S**[-]. Assessment of student mastery of anticipated learning outcomes during a BlendFlex STEM CURE using a combination of self-reported and empirical analysis. Undergraduate Student Symposium (virtual), Nova Southeastern University, 2021.
19. Hoang M[*], Hallett J[*], Autore S[*], and **De S**[+]. Education, research, and management in STEM and healthcare: global impacts of COVID-19. Life Sciences South Florida STEM Undergraduate Research Symposium (virtual), 2021.
20. Autore S[*], Hallett J[*], Hoang M[*], and **De S**[+]. Navigating COVID-19-based challenges to global education, research, and management in healthcare and STEM. Undergraduate Student Symposium (virtual), Nova Southeastern University, 2021.
21. Barley E[*] and **De S**[+]. Functions of the 14-3-3 (YWHA) proteins and their isoforms across various mammalian species, cells, tissues, organs, and developmental stages. Trick to the Treat of Internships and Research (virtual), Nova Southeastern University, 2020.
22. Hoang M[*], Hallett J[*], Autore S[*], and **De S**[+]. Impact of COVID-19 on global education and research in healthcare and STEM. Trick to the Treat of Internships and Research (virtual), Nova Southeastern University, 2020.
23. Kumrah N[*] and **De S**[+]. Expression and localization of the 14-3-3 (YWHA) protein family within mammals. Trick to the Treat of Internships and Research (virtual), Nova Southeastern University, 2020.
24. Nethi V[^] and **De S**[^]. Use of science mobile apps among undergraduate science students and its impact on their interest and learning. Florida Distance Learning Association Conference (virtual), 2020.
25. Luyegu E and **De S**. Peer-video-blog assessment: an innovative approach to assessment. Florida Distance Learning Association Conference (virtual), 2020.
26. Arguello G[^], **De S**[^], and Orta S[^]. An analysis of STEM education at the college level: stakeholders' perspectives. Florida Distance Learning Association Conference (virtual), 2020.
27. **De S**[^] and Cavanaugh G[^]. Navigating healthcare science student learning and engagement through implementation of a Virtual Classroom. Health Professions Division Research Day, Nova Southeastern University, 2020.
28. **De S**[^] and Nethi V[^]. The potential of socio-biologically relevant mobile apps to attract girls to STEM. Florida Distance Learning Association Conference, Orlando, Florida, 2019.
29. Kline D[^] and **De S**[^]. The importance of 14-3-3 (YWHA) proteins in mammalian reproduction and fertility. Graduate Research Symposium, Kent State University, 2014.
30. **De S**, Reese A, and Kline D. Duolink *in situ* proximity ligation assays reveal interactions of 14-3-3 protein isoforms with CDC25B phosphatase in mouse oocyte maturation. Graduate Research Symposium, Kent State University, 2012.

Posters:

1. Sikora A[+], Aguiar M[*], **De S**[-], Kapil A[*], Saleh O[*], Santos R[-], and Vuppala R[*]. Quantitative assessment of self-reported student learning gains in a Biochemistry lab CURE. Biennial Conference on Chemical Education, University of Kentucky, Lexington, Kentucky, 2024.
2. Vuppala R[*], Saleh O[*], Kapil A[*], **De S**[-], and Sikora A[+]. Analysis of learning in a novel Biochemistry lab CURE using self-reported student mastery assessments. American Society for Biochemistry and Molecular Biology annual meeting, San Antonio, Texas, 2024.
3. Mahajan S[*] and **De S**[+]. How did COVID-19 affect education worldwide in Physiology? Florida Distance Learning Association Conference (virtual), 2024.
4. Chheda H[*] and **De S**[+]. Evaluating the implications of COVID-19 for global research in Anatomy. Florida Distance Learning Association Conference (virtual), 2024.

5. Kapil A[*], Gonzalez L[*], Pathak N[*], **De S**[-], and Sikora A[+]. Analysis of attitudinal student learning benefits from a biochemistry CURE adapted for the online format. Experimental Biology annual meeting, Philadelphia, Pennsylvania, 2022.
6. Keating R[*], Vertiz LS[*], Manly V[*], Sastry A[*], **De S**[-], and Sikora A[+]. Quantification of learning gains in a science CURE: leveraging learning objectives to substantiate and validate the benefits of experiential education. Experimental Biology annual meeting, Philadelphia, Pennsylvania, 2022.
7. Aguiar M[*], Vertiz LS[*], Ghali M[*], Keating R[*], Mashaich A[*], Persaud R[*], Rubalsky K[*], Sastry A[*], Stepensky I[*], Sudhakar T[*], **De S**[-], and Sikora A[+]. Substantiation and validation of the benefits of CUREs in STEM using a combination of self-reported gains and alignment with learning objectives. Undergraduate Student Symposium, Nova Southeastern University, 2022.
8. Indoreawala Y[*] and **De S**[+]. Global impacts of COVID-19 on education and research in STEM and healthcare: analysis of case studies. University Research Symposium (virtual), University of West Alabama, 2022.
9. Kapil A[*], **De S**[-], and Sikora A[+]. Analysis of student learning gains in a biochemistry CURE course during the mandatory COVID-19 shift to online learning. American Society for Biochemistry and Molecular Biology annual meeting (virtual), 2021.
10. Hallett J[*], Autore S[*], Hoang M[*], and **De S**[+]. COVID-19-based challenges and countermeasures in education, research, and management in healthcare and STEM. University Research Symposium (virtual), University of West Alabama, 2021.
11. Kim B[*], Muchintala R[*], Haughton O[*], **De S**[-], and Sikora A[+]. Design of research-based assessment strategies for a biochemistry CURE using published learning outcomes. Biennial Conference on Chemical Education, Oregon State University, Corvallis, Oregon, 2020.
12. Kim B[*], Muchintala R[*], Haughton O[*], **De S**[-], and Sikora A[+]. Novel assessment strategies for STEM courses using the research-based Biochemistry Authentic Student Inquiry Lab (BASIL) model. South Florida American Chemical Society symposium, Larkin University, Miami, Florida, 2020 ("***Best Presentation***").
13. Kim B[*], Haughton O[*], Muchintala R[*], **De S**[-], and Sikora A[+]. Design of research-based assessment strategies for a biochemistry CURE using published learning outcomes. American Chemical Society Virtual Meeting & Expo, 2020.
14. Detwiler AC, **De S**, and Kline D. Interactions of YWHA (14-3-3) protein isoforms with CDC25B phosphatase in regulating mouse oocyte maturation. Society for the Study of Reproduction Meeting, San Juan, Puerto Rico, 2015.
15. **De S**, Reese A, and Kline D. Interactions of 14-3-3 (YWHA) protein isoforms with CDC25B phosphatase in mouse oocyte maturation. American Society for Cell Biology Meeting, San Fransisco, 2012.
16. **De S**, Davis S, Letwin D, Mozena C, and Kline D. Protein 14-3-3eta (YWHAH) is essential for normal meiotic spindle assembly during *in vitro* maturation of mouse oocytes. American Society for Cell Biology Meeting, San Fransisco, 2012.
17. **De S**, Davis S, Letwin D, Mozena C, and Kline D. Protein 14-3-3eta is essential for normal meiotic spindle assembly in mouse eggs. Department of Biological Sciences Symposium, Kent State University, 2012.
18. **De S**, Reese A, and Kline D. Interactions of 14-3-3 protein isoforms with CDC25B phosphatase in mouse oocyte maturation. Duolink User Meeting, La Jolla Torrey Pines, California, 2011.
19. **De S**, Marcinkiewicz J, and Kline D. Expression of 14-3-3 protein isoforms in different stages of follicular development in adult mouse ovaries. Society for the Study of Reproduction Meeting, Portland, Oregon, 2011.
20. **De S** and Kline D. Interactions of 14-3-3 proteins with CDC25B phosphatase in ovaries and oocytes of adult mice. Annual Graduate Research Symposium, Kent State University, 2011.
21. **De S**, Villarreal B, Vijayaraghavan S, and Kline D. Identification and distribution of 14-3-3 protein isoforms in mouse oocytes and eggs. American Society for Cell Biology Meeting, San Diego, 2009.

[^] *Equal Contribution (Co-First Author; Co-Presenter)*
[*] *Student Author/Presenter*

[+] *Faculty Advisor*
[-] *Faculty Co-Advisor*

Attendee/Participant:

1. How Artificial Intelligence (AI) Is Redefining Distance Learning, National Distance Learning Week (NDLW) webinars, United States Distance Learning Association (USDLA), November 2023.
2. Teaching and Learning Conference, Learning and Educational Center, Nova Southeastern University, November 2023 and November 2022.
3. Interdisciplinary/Interprofessional Leveraging Academic Collaborations for Excellence (InterLACE) Research Showcase (virtual), Nova Southeastern University, April 2023.
4. Improving STEM Education at Hispanic Serving Institution Community Colleges by Introducing Course-based Undergraduate Research Experiences (CUREs), virtual conference, Phoenix College, Arizona, November 2022.
5. Global Conference on Sustainability in Higher Education, Association for Advancement of Sustainability in Higher Education (AASHE), Virtual, November 2022.
6. Ocean Science Research Symposium, Halmos College of Arts and Sciences, Nova Southeastern University, 2022.
7. Spring Virtual Grants Conference, National Science Foundation (NSF), June 2021.
8. Constructing narratives for teaching science, American Society for Biochemistry and Molecular Biology (ASBMB) Virtual Meeting, 2021.
9. Biotechnology – Impacts on Human Health in 21st century, StemGenn Therapeutics e-symposium, 2021.
10. Imagining the Future of Undergraduate STEM Education Symposium (virtual), organized by National Academy of Sciences (NAS), funded by National Science Foundation (NSF), 2020.
11. Human Anatomy and Physiology Society (HAPS) Virtual Annual Conference, 2020.
12. Best practices in online teaching for BMB classrooms, American Society for Biochemistry and Molecular Biology (ASBMB) Virtual Conference, 2020.
13. XR Immersive Enterprise of Virtual Reality (VR) and Augmented Reality (AR): Global Online Edition, 2020.
14. Digital Leadership Forum, Pearson North America, 2020.
15. Digital Curriculum Conference, Nova Southeastern University, Fort Lauderdale, Florida, 2019.
16. Annual Meeting of the Society for the Study of Reproduction, San Diego, 2016.
17. Annual University Teaching Council Conference, Kent State University, 2013, 2012, 2011 and 2009.
18. Several other conventions and symposia in the United States of America, Singapore, and India.

TEACHING EXPERIENCE AND QUALIFICATIONS:

- **Faculty (full-time):** Teaching Anatomy and Physiology I and II (with labs) major and Human Biology (online) non-major courses, Department of Biological Sciences, Halmos College of Arts and Sciences, Nova Southeastern University, August 2018 – present.
- **Visiting Faculty (full-time):** Taught Anatomy and Physiology I and II and Human Physiology undergraduate laboratory and large lecture major courses, Biomedical Sciences department, College of Liberal Arts and Sciences, Grand Valley State University, August 2016 – August 2018.
- **Biology Subject Matter Expert and Content Developer** of preparatory material for international medical/ pharmacy college admission tests, PrepGenie Educational Resources, Ensine Knowledge Systems Private Limited, Kolkata, India, 2015.
- **Guest Lecturer:** Human Biology – Anatomy and Physiology undergraduate course, Life Sciences programme, Yale-NUS College, Singapore, Spring 2015.
- **Faculty (Part-Time):** Taught a lab course on Laboratory Experience in Biology to 20 students, Department of Biological Sciences, Kent State University, Summer 2014.

- **Adjunct Instructor:** Taught Human Physiology major course lectures for 250 undergraduate students, Department of Biological Sciences, Kent State University, Spring 2014.
- **Adjunct Instructor:** Taught Human Biology undergraduate, non-major course lectures for 190 students, Department of Biological Sciences, Kent State University, Fall 2013.
- **Invited Lecturer:** Taught General/Introductory Biology ('Biological Foundations') undergraduate, major course lectures for 24 students, Department of Biological Sciences, Kent State University, Summer 2013.
- **Adjunct Instructor:** Taught General/Introductory Biology undergraduate, major course lectures for 110 students, Department of Biological Sciences, Kent State University, Spring 2013.
- **Guest Lecturer:** Taught two classes of Anatomy and Physiology ('Biological Structure and Function') non-major course comprising 250 undergraduate students, Department of Biological Sciences, Kent State University, Fall 2012 and Fall 2013. Taught two classes of General/Introductory Biology undergraduate majors course comprising 203 students, Department of Biological Sciences, Kent State University, Fall 2013.
- **Teaching Assistant (TA):** Full-time TA for Anatomy and Physiology laboratory for eight sections with ~25 students in each, Department of Biological Sciences, Kent State University, Fall 2008 – Fall 2012.
- **Teaching Assistant (TA):** Full-time TA for one section of Cell Biology major laboratory course of 15 students, Department of Biological Sciences, Kent State University, Summer 2011.
- **Laboratory Coordinator *(Twice)*:** Anatomy and Physiology lab sections comprising 450 students in 18 sections with 15 TAs, Department of Biological Sciences, Kent State University, Fall 2011 and Fall 2012. Supervised weekly preparatory lab meetings, organized syllabus, maintained orders, supplies and inventories.
- **Developed and implemented** a new topic on Anatomy and Physiology of the Reproductive System in Biological Structure and Function, Department of Biological Sciences, Kent State University, Fall 2012.
- **Tutor:** Tutored diverse courses in Biology to several school-level and undergraduate students.
- **Teaching Certificates:** Awarded by Grand Valley State University, 2018 and Kent State University, 2014.
- **Certification:** Orienting New Teaching Assistant Program, Kent State University, 2008.

AWARDS AND HONORS:

- **Nominee,** Member-Elected Board of Director, United States Distance Learning Association, 2024.
- **Nominee,** Co-Presenter, Student Life Achievement Awards (STUEYS), Nova Southeastern University, 2024.
- **Recipient,** FDLA Journal 2023 Best Paper Award, Florida Distance Learning Association, 2024.
- **Recipient,** Faculty Merit Raise Award, Nova Southeastern University, 2020, 2021, 2022, 2023, and 2024.
- **Recipient,** Employee Work Anniversary (5 years) Award, Nova Southeastern University, 2023.
- **Faculty Mentor,** 3rd Place Winning Oral Student Presentation, Life Sciences South Florida Undergraduate STEM Research Symposium, Florida Gulf Coast University, Fort Myers, Florida, 2023.
- **Nominee,** Who's Who in America, Marquis biographical publisher, Uniondale, New York, 2021.
- **Faculty Co-Mentor,** Best Student Presentation, South Florida American Chemical Society symposium, Larkin University, Miami, Florida, 2020.
- **Recipient,** Graduate Assistantship and full tuition waiver, Department of Biological Sciences, Kent State University, 2008 – 2014.
- **Nominee:** Outstanding Teaching Award, Biological Sciences, Kent State University, Spring 2014.
- **Nominee:** Teaching Excellence Award, Graduate Student Senate, Kent State University, 2012 and 2013.
- **Nominee:** Student Leader of the Year Award, Center for Student Involvement, Kent State University, 2012.
- **Nominee,** University Fellowship, Kent State University, 2013.
- **Nominee,** Distinguished Student Leader Award, Manchester Cup Award, Student Leader of the Year Award and Cindy Bowlby Award, Center for Student Involvement, Kent State University, Spring 2012.

- **Honoree,** Annual Reunion, Department of Biological Sciences, Kent State University in recognition of academic achievement outside the university, 2011.
- **Recipient,** Order of Merit Certificate for ranking **1st class 2nd** in Master of Science (overall), University of Calcutta, India, 2007.
- **Recipient,** Narasimha Das De Studentship Award for ranking **1st class 1st (topper)** in Master of Science Part I, University of Calcutta, India, 2007.
- **Recipient,** Order of Merit Certificate for ranking **1st class 7th** in Bachelor of Science among all colleges in the University of Calcutta, India, 2006.

RESEARCH PROJECTS AND FIELD-WORK:

- **Faculty Mentor/Supervisor:** Independent Studies and Internships by multiple undergraduate Biology major students, Nova Southeastern University, Summer 2020 – present.
- **Co-Principal Investigator:** Development of assessment strategies for undergraduate research-based courses, President's Faculty Research and Development Grant, Nova Southeastern University, 2019 – 2024.
- **Collaborator:** A fully online self-contained version of the BASIL biochemistry lab curriculum, Improving Undergraduate STEM Education (IUSE) program, National Science Foundation, 2020 – 2023.
- **Research Project:** Transforming the e-learning experience through the adoption of virtual classrooms, Nova Southeastern University, 2019 – 2020.
- **Research Project:** The potential of socio-biologically relevant mobile applications to attract girls to STEM, Nova Southeastern University, 2018 – 2020.
- **Postdoctoral Fellowship:** Differential expression and distribution of SWI/SNF chromatin remodeling complex subunits during early development of porcine oocytes and embryos produced by *in vitro* fertilization, Purdue University, 2016.
- **Postdoctoral Fellowship:** Investigation of Wnt signaling in the regulation of embryonic development in *Drosophila melanogaster*, Yale-NUS College, Singapore, 2015.
- **Doctoral Dissertation:** Protein 14-3-3 ("YWHA") isoforms and their roles in regulating mouse oocyte maturation, 2008 – 2014, Kent State University.
- **Research Project:** Molecular cloning and transformation of Hepatitis B virus genes, National Institute of Cholera and Enteric Diseases, Kolkata, India, 2008.
- **Research Project:** Molecular markers and molecular taxonomy, Rajabazar Science College, University of Calcutta, India, 2007 – 2008.
- **Masters Project:** Identification and cloning of putative serine protease inhibitor genes in rice, and a preliminary approach to generate RNAi using the cloned sequence, Jawaharlal Nehru University (JNU), New Delhi, India, 2006. *JNU is considered as one of the most prestigious academic institutions in India.*
- **Community Project:** Nutritional Diet Survey on urban families, India, 2005.
- **Field work:** Hematological and anthropometric survey on villagers and tea-estate workers in North Bengal, India, 2004.

LABORATORY EXPERIENCE AND TRAINING/CERTIFICATION:

- **Notable research skills:** STEM education, pedagogy, in vitro fertilization (IVF), brightfield and confocal fluorescence microscopy, image processing, gene knockdowns, knockouts, and editing technologies, DNA isolation and purification, Polymerase Chain Reaction, gel electrophoreses, genotyping, Tandem Affinity Purification (TAP) and other protein purification methods, cell culture, maintenance and propagation of wild type and transgenic animal lines, Western blotting, tissue sectioning, immunohistochemistry, immunocytochemistry, protein concentration assays, spectrophotometry, gel-staining methods, mass

spectrometry, pull-down assays, *in situ* Proximity Ligation Assay, gene cloning, bacterial transformation, plasmid isolation, restriction digestion, *in vitro* transcription, microinjection, statistical analyses, dissection of diverse animal models/organs of mice, frogs, flies, sheep, and pigs, and performing anatomical, physiological, and developmental studies.

- **Certification:** General Laboratory Safety, Nova Southeastern University, 2019 – present.
- **Certification:** Formaldehyde Safety in Research and Education, Nova Southeastern University, 2019 – present.
- **Certification:** Bloodborne Pathogens, Nova Southeastern University, 2019 – present.
- **Certification:** Hazard Communication Training, Nova Southeastern University, 2019 – present.
- **Certification:** Personal Protective Equipment (PPE), Nova Southeastern University, 2019 – present.
- **Certification:** Employee HIPAA Privacy, Security, and Research, Nova Southeastern University, 2018 – present.
- **Training:** Occupational Safety and Health Administration (OSHA) courses, Nova Southeastern University, 2019 – present, and Kent State University, 2008.
- **Certification:** Biological Safety, Yale-NUS College, Singapore, 2014.
- **Certification:** Introduction to Laboratory Animal Care and Use, Institutional Animal Care and Use Committee (IACUC), Kent State University, 2009.

GRANTS AND FUNDING:

- **Co-Principal Investigator,** "Development of assessment strategies for undergraduate research-based courses", President's Faculty Research and Development Grant, Nova Southeastern University, FY 2020 – 2022.
- **Recipient *(Twice)*,** Course Mini-Grant (Guest Lectures), Interdisciplinary Research and Teaching Initiatives Committee (IRTIC), Halmos College of Arts and Sciences, Nova Southeastern University, Winter 2021, and Winter 2022.
- **Recipient (*Four times*),** Faculty Professional Development award, Halmos College of Arts and Sciences, Nova Southeastern University, Fiscal Years 2019, 2021, 2023, and 2024.
- **Principal Investigator,** "Interaction of 14-3-3 protein isoforms with CDC25B phosphatase in ovaries and oocytes of adult mice", Annual Research Grant, Graduate Student Senate, Kent State University, 2011 – 2012.
- **Recipient *(Thrice)*,** Presentation Travel Grant, Graduate Student Senate, Kent State University, Fall 2009, Summer 2011, and Fall 2012.
- **Recipient,** Presentation Travel Grant, Society for the Study of Reproduction, Summer 2011.
- **Recipient,** Lalchand Mookherjee Foreign Travel Scholarship, University of Calcutta, India, 2008.
- **Recipient,** Fellowship by the Council of Scientific and Industrial Research (CSIR) and University Grants Commission (UGC) for qualifying for both Junior Research Fellowship (JRF) and Lectureship (LS) in the all-India National Eligibility Test (NET), India, 2007.
- **Writer**/**Reviewer,** several other research proposals.

SEMINARS AND WORKSHOPS:

- **Attendee,** Teaching Workshop Series, Halmos College of Arts and Sciences, Nova Southeastern University, Winter 2023.
- **Attendee,** "Powerful Teaching: Unleash the Science of Learning" (virtual webinar), Top Hat, November 2022.
- **Participant,** Faculty Promotion Workshops Series, Halmos College of Arts and Sciences, Nova Southeastern University, Fall 2022.

- **Selected Participant,** "Designing competitive research questions for grant proposals", STEM Education Professional Skills Virtual Workshop, Hispanic Serving Institutions (HSI) STEM Resource Hub, National Science Foundation (NSF), Summer 2021.
- **Invited Speaker,** "Protein 14-3-3 eta: a potential regulator of mammalian female fertility", Sofa Talks on Nursing Research (virtual), Ron and Kathy Assaf College of Nursing (ACON) Research Council, Nova Southeastern University, 2021.
- **Attendee,** Active Learning Online: Five Principles (virtual) by Dr. Stephen Kosslyn (former Dean, Harvard University), Los Angeles Pacific University, 2021.
- **Attendee,** Power Publishing Day Workshop (virtual), Nova Southeastern University, 2021.
- **Attendee,** Lunch & Learn Grant Workshop (virtual), Nova Southeastern University, 2021.
- **Attendee,** Sofa Talks on Nursing Research (virtual), Ron and Kathy Assaf College of Nursing (ACON) Research Council, Nova Southeastern University, November 2020.
- **Attendee,** Honors in Biology Major student presentations, Nova Southeastern University, Fall 2020 – present.
- **Attendee,** A Frank Discussion on Race and Gender in Science and Academia, Multi-Institution Seminar Series (virtual) – South Florida, Sigma Xi, November 2020.
- **Participant,** Conducting STEM Labs Online, Center for Online and Continuing Education, Florida Atlantic University (FAU), October 2020.
- **Participant,** Learning and Education Center (LEC) Teaching in the BlendFlex Model – Self-Paced, Nova Southeastern university, August 2020.
- **Participant,** Best Practices in Teaching and Learning (online), Nova Southeastern University, May 2020.
- **Participant,** Teaching in the BlendFlex Model, Nova Southeastern University, May 2020.
- **Invited Speaker,** "Protein 14-3-3 (YWHA) isoforms and their roles in regulating mammalian oocyte maturation", Sister Nivedita University, Kolkata, India, 2019.
- **Attendee,** Department of Biological Sciences seminars, Nova Southeastern University, Fall 2019 – present.
- **Attendee,** Faculty Writing Workshops, Nova Southeastern University, Fall 2018 – present.
- **Attendee,** Wellness Seminars, Human Resources, Nova Southeastern University, Fall 2018 – present.
- **Attendee,** Teaching Roundtables, Faculty Teaching and Learning Center, College of Liberal Arts and Sciences, Grand Valley State University, 2016 – 2018.
- **Attendee,** Seminars and Meetings on Wnt signaling, Singapore, Fall 2014.
- **Attendee,** Issues and Best Practices in Online Teaching, Kent State University, Spring 2014.
- **Presenter,** Ph.D. Dissertation Seminar: "Protein 14-3-3 isoforms and their roles in regulating mouse oocyte maturation", Department of Biological Sciences, Kent State University, Spring 2013.
- **Presenter,** Developmental Biology Ph.D. course seminar: "Two Critical Periods of Sonic Hedgehog Signaling Required for the Specification of Motor Neuron Identity", J. Ericson, S. Morton, A. Kawakami, H. Roelink & T. M. Jessell, Cell, Vol. 87, 661-673, Nov. 15, 1996. Kent State University, Fall 2009.
- **Presenter,** Eukaryotic Cell Biology Ph.D. course seminar: "ERK activation is regulated by E2F1 and is essential for E2F1-induced S phase entry", Katya Korotayev, Marie Chaussepied and Doron Ginsberg, Cellular Signaling 20 (2008) 1221-1226. Kent State University, Fall 2008.
- **Attendee,** Seminars in Physiology, Kent State University, Fall 2008 – Spring 2010.
- **Attendee,** International Conference on Chromosomes to Neurons, Department of Biophysics, Molecular Biology and Genetics, University of Calcutta and Saha Institute of Nuclear Physics, Kolkata, India, 2007.
- **Participant,** National Seminar on "Transgenic Plants: Prometheus Unbound", Department of Biophysics, Molecular Biology and Genetics, University of Calcutta, India, 2006.
- **Presenter,** Master's Project Seminar: "Identification and cloning of serine protease inhibitor (serpin) genes in rice", Department of Biophysics, Molecular Biology and Genetics, University of Calcutta, India, 2006.
- **Attendee,** Several seminars by the Physiological Society of India, 2002 – 2005.

- **Participant,** Professional and Academic Development Workshops, Kent State University, 2012 and 2013.

COURSES TAKEN:

- **Doctoral:** Mammalian Physiology, Eukaryotic Cell Biology, Molecular Biology, Biostatistics, Bioenergetics, Developmental Biology, College Teaching in Biology.
- **Masters:** Biomathematics and Biostatistics: Concepts of Integrative Biology, Statistical Mechanics and Thermodynamics: Physico-chemical Methods, Biomolecular Structure, Organic and Biological Chemistry, Genetics and Molecular Biology, Cell Biology, Experiments in Molecular Biology, Experiments in Molecular Biophysics and Biochemistry, Computer and Its Application in Biology, Experiments in Genetics, Evolution, Ecology and Environment, Biotechnology and Genetic Engineering, Spectroscopy, Crystallography and Microscopy, Human Genetics and Cognitive Processes, Photobiology, Medical Physics and Radiation Biology, Microbes and Viruses, Immunology and Developmental Biology, Selected Topics in Current Research Experiments in Developmental Biology.
- **Undergraduate:** Human and Mammalian Physiology and Anatomy, Microbiology, Biophysics, Biochemistry, Molecular and Cellular Biology.

PROFESSIONAL INVITATIONS, LEADERSHIP, AND VOLUNTEERISM:

- **Invited Faculty,** India Rising: A Colossus like No Other, virtual conference, Columbia University South Asia Institute, Reinhardt University, and International Studies Consortium of Georgia (ISCOG), July 2024.
- **Invited Faculty,** Anatomy and Physiology Coffee Chat with Dr. Ann Raddant (University of Wisconsin-Milwaukee), McGraw Hill Education, April 2024.
- **Chair and Member,** Peer-Review Committee for continuing contract renewals of two full-time faculty colleagues, Department of Biological Sciences, Halmos College of Arts and Sciences, Nova Southeastern University, December 2023 and December 2022.
- **Referee,** Provided reference for numerous students' and faculty applications, 2016 – present.
- **Faculty Volunteer,** Biology Research Internships and Mako Journal showcase, Halmos College of Arts and Sciences, University Center Spine Takeover, Nova Southeastern University, October 2023.
- **Invited Guest Speaker,** Podcast Series: The Researcher's Chronicle, Paperprimer publication consulting group, Brussels, Belgium, August 2023.
- **Lead Instructor,** Anatomy and Physiology I, Department of Biological Sciences, Halmos College of Arts and Sciences, Nova Southeastern University, August 2023 – present.
- **Faculty Advisor,** South Asian Student Association, Nova Southeastern University, August 2023 – present.
- **Faculty Mentor**, Post-Doctoral Teaching Associate, Department of Biological Sciences, Halmos College of Arts and Sciences, Nova Southeastern University, 2023 – 2024.
- **Reviewer,** Student Research Showcase, Sigma Xi: The Scientific Research Honor Society, May 2023.
- **Reviewer,** Laboratory Manual for Human Anatomy and Physiology: A Hands-on Approach by Greene, Robison and Strong, 1st edition, Pearson, April 2023.
- **Reviewer,** Interdisciplinary/Interprofessional Leveraging Academic Collaborations for Excellence (InterLACE) Research Showcase (virtual), Nova Southeastern University, April 2023.
- **Judge,** 50th Annual Broward Regional Science and Engineering Fair/BRSEF (virtual), 2023.
- **Reviewer,** National Conference on Undergraduate Research (NCUR), University of Wisconsin, Eau Claire, Wisconsin, April 2023.
- **Reviewer,** Anatomy and Physiology Revealed (APR) Connect Assignment, McGraw-Hill Education, February 2023.

- **Reviewer,** President's Faculty Research and Development Grants (PFRDG), Nova Southeastern University, FY 2023.
- **Reviewer,** Digital Tools, Human Anatomy and Physiology, McGraw-Hill Education, October 2022.
- **Invited Faculty,** "Wicked with Wiley", Instructor Summer Camp, Wiley Publishing, 2021.
- **Faculty Advisor,** Med-ED student medical organization, Nova Southeastern University, 2021 – present.
- **Judge,** Life Sciences South Florida STEM Undergraduate Research Symposium (virtual), 2021.
- **Judge,** University Research Symposium (virtual), University of West Alabama, 2021.
- **Faculty Interviewer,** Presidential Scholars, Nova Southeastern University, 2021.
- **Faculty Mentor,** Honors in Major (Biology) students, Nova Southeastern University, 2021 – present.
- **Judge,** Undergraduate Student Symposium, Nova Southeastern University, 2019, 2021, and 2022.
- **Invited Faculty,** Feedback on "Anatomy and Physiology in Context" textbook, Top Hat, 2021.
- **Faculty Advisor,** Student Research Society (SRS), Nova Southeastern University, 2020 – present.
- **Invited Faculty,** Focus-group on "Achieve for Anatomy and Physiology" with OpenStax, Macmillan Learning, 2020.
- **Invited Faculty,** Survey of Anatomy and Physiology resources designed to work with Human Anatomy and Physiology (HAPS) learning outcomes, Macmillan Learning, 2020.
- **Book Reviewer,** Abstracts for two chapters of a book on ACE-Bio network project (funded by National Science Foundation) on Advancing Competencies in Experimentation-Biology, Springer, 2020.
- **Invited Judge,** Virtual Student Scholars Symposium, Sigma Xi Scientific Research Honor Society, 2020.
- **Invited Faculty,** Digital Leadership Forum, Pearson North America, Orlando, Florida, 2020.
- **Judge,** Student Case Competitions, Nova Southeastern University, 2019, 2020, 2023, and 2024.
- **Journal/Conference Peer-Reviewer,** Nature – Scientific Reports, Discover Education; Frontiers Cell and Developmental Biology; International Journal of Web-Based Learning and Teaching Technologies; Advances in Medical Education and Practice; Development; Internet Journal of Allied Health Sciences and Practice; Florida Distance Learning Association; Transformations; Aggression and Violent Behavior; Medicine; Quarterly Review of Distance Education; Indian Journal of Physiology and Pharmacology; International Annals of Science; Cell Biology International; BMC Cancer; BMC Molecular and Cell Biology; Cancer Cell International; Lipids in Health and Disease; Mako: NSU Undergraduate Student Journal, 2019 – present.
- **Journal Editor,** International Journal of Web-Based Learning and Teaching Technologies (IJWLTT); Medicine; The Online Journal of Applied Knowledge Management; American Journal of BioScience; CPQ Medicine; CPQ Women and Child Health; Mako: NSU Undergraduate Student Journal, 2019 – present.
- **Book Reviewer,** Preparation of a first edition textbook for introductory human biology: "Scientific American: Human Biology for a Changing World", *Macmillan Learning*, 2019.
- **Product Reviewer,** ~15 products used in own research, reviews published on Biocompare, 2016 – 2020.
- **Invited Guest Faculty,** Resident Assistant Health and Wellness Programs, Nova Southeastern University, 2018 – 2019.
- **Invited Guest Lecturer,** Human Anatomy and Physiology undergraduate major course, Division of Natural Sciences, St. Norbert College, De Pere, Wisconsin, 2018.
- **Examiner,** Michigan Science Olympiad, Grand Valley State University, 2017.
- **Judge,** Annual Graduate Research Symposium, Kent State University, 2014.
- **Judge,** Undergraduate Symposium on Research and Scholarship, Kent State University, 2014.
- **Judge,** Stow-Munroe Falls City Schools Science Fair, Lakeview Intermediate School, Ohio, 2013.

PROFESSIONAL MEMBERSHIPS:

- Sigma Xi: The Scientific Research Honor Society

- United States Distance Learning Association (USDLA)
- Human Anatomy and Physiology Society (HAPS)
- Beta Beta Beta (TriBeta) – National Biological Honor Society, United States of America
- Florida Distance Learning Association (FDLA)
- Society for the Study of Reproduction (SSR)
- American Association for the Advancement of Science (AAAS)
- American Society for Cell Biology (ASCB)
- United States – India Educational Foundation (USIEF).

OTHER SIGNIFICANT SKILLS:

- **Technological skills:** Learning Management Systems (Blackboard Learn and Canvas), Mastering Anatomy and Physiology, Mastering Biology, virtual meeting platforms (Zoom, Skype, Google Meet, Microsoft Teams, and Webex), Blendflex hybrid instruction, PhysioEx, iWorx/LabScribe, Connect LearnSmart, Anatomy and Physiology Revealed (APR), Response Clickers and Turning Technologies, Microsoft Office Suite, Adobe Photoshop, Google Doc, Google form, MAXQDA data analysis software, microscopy/imaging software (Image J, FluoView, MicroSuite, etc.), and several other cutting-edge research and teaching equipment/tools.
- **Language proficiencies:** English, Hindi, Bengali.
- **Artistic skills:** Play-acting, painting, playing the keyboard.

CO-CURRICULAR ACTIVITIES AND ACHIEVEMENTS:

- **Invited Faculty,** Campus health interview, The Current, Nova Southeastern University, August 2024.
- **Participant,** Biology Faculty Social initiative: Cookie-Fridays, Nova Southeastern University, Winter 2024.
- **Member,** Applied Experiences Faculty Committee, Department of Biological Sciences, Halmos College of Arts and Sciences, Nova Southeastern University, September 2023 – present.
- **External Discipline Member,** full-time Chemistry Instructor Hiring Committee, Department of Chemistry and Physics, Halmos College of Arts and Sciences, Nova Southeastern University, November 2022.
- **Member,** Honors in Major (Biology) Committee, Nova Southeastern University, January 2021 – present.
- **Member,** Biology Department Curriculum Committee, Nova Southeastern University, August 2018 – present.
- **Member,** B.S. Biology Faculty Committee, Nova Southeastern University, September 2018 – August 2023.
- **Consultant Faculty,** Indian Student Association, Nova Southeastern University, August 2018 – present.
- **Blood donor,** OneBlood, Nova Southeastern University, 2019.
- **Attendee,** Biomedical Sciences Departmental Faculty Meetings, Grand Valley State University, 2016 – 2018.
- **Member,** Asian Faculty and Staff Association, Grand Valley State University, 2016 – 2018.
- **Winner,** International Cook Off, Kent State University, 2009 and 2010.
- **Public Relations Manager and Historian,** Kent Indian Association, Kent State University, 2012 – 2013.
- **Awardee,** Several painting contests in India.

PERSONAL INTERESTS:

- **Hobbies:** Sketching, photography, playing the keyboard, listening to music.
- **Overseas travel:** United States of America, India, Nepal, Thailand, Singapore.