Teresa Diane Golden
Curriculum Vitae

Department of Chemistry
University of North Texas
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EXPERIENCE

Professor, Univeristy of North Texas, 2012 to present.
Associate Professor, Univeristy of North Texas, 2003 to 2012.
Assistant Professor, University of North Texas, 1997 to 2003.

Research: Forensic analysis of drug compounds. Electrodeposition of nanomaterials of unique composition and phases. Development of environmentally safe corrosion inhibitors as coatings on alloys.
Teaching: Undergraduate courses in Instrumental Analysis and Forensic Research. Graduate courses in Analytical Chemistry, X-ray Diffraction, Advance Chromatography, and Electrochemistry. Supervise undergraduate and graduate research. (http://chemistry.unt.edu/~tgolden/)

Director, Forensic Science Program UNT, 2005-present.
Responsible for management and oversight of the AAFS FEPAC nationally accredited Forensic Science Program on the UNT campus, including planning, implementing, administering, and evaluating the program; in consultation with the Assistant Dean and Advising Board. Oversees admission process of undergraduate students into the program and acts as campus advisor for students in the program. Ensures consistency in standards, policies, and procedures within the program and that all reports on the program are completed accurately and on schedule for accreditation. Promotes the program within and outside the UNT system. (http://forensic.unt.edu forensic@unt.edu)

Director, Professional Science Masters Program, UNT, 2007-2013.
Responsible for management and oversight of the Masters of Industrial Chemistry Degree at UNT, including planning, implementing, administering, and evaluating the program; in consultation with the Assistant Dean. Oversees admission process of graduate students into the program and acts as campus advisor for students in the program. Promotes the program within and outside the UNT system. (http://www.psm.unt.edu/)

Research Assistant Professor, University of Missouri, 1994 to 1997.
Postdoctoral Assistant, University of Missouri, 1992 to 1994.
Research: Electrodeposition of semiconductors and superconductors. Electrochemical processing of nanoscale superlattices and characterization by scanning tunneling microscopy and x-ray diffraction. Study of epitaxial growth of electrochemically deposited compounds using atomic force microscopy and potential step methods.

EDUCATION

Doctor of Philosophy, New Mexico State University. Major: Analytical Chemistry. Minor: Toxicology, Research Advisor: Prof. Joseph Wang, 1992.

Bachelor of Science, Texas Tech University. Major: Chemistry. Minor: Biology, Research. Advisor: Prof. Daniel Armstrong, 1985.

PROFESSIONAL AFFILIATIONS/ACTIVITIES

American Academy of Forensic Science (AAFS)
American Chemical Society (ACS)
National Association of Corrosion Engineers (NACE)
The Electrochemical Society (ECS)
Materials Research Society (MRS)
Alpha Chi Sigma (AXE) Beta Eta (BH)
Alpha Epsilon Delta (AED) Texas Gamma

Editorial Board

Coatings MDPI (2020-2022)

AAFS/FEPAC On-site Lead Inspector

On-site lead inspector for FEPAC AAFS accreditation of forensic science undergraduates and graduate programs,
University of Central Oklahoma, 2015
University of Alabama, 2018

Panel Reviewer

U.S. Department of Energy DOE-TCF, (2018, 2019)
National Science Foundation NSF-CHE/ACC-F Panel Washington, DC (2010)
National Science Foundation IMR/MRI Panel Washington, DC (2005)
National Science Foundation Panel for X-ray Proposals MRI, Washington, DC (2005)

Panel Speaker

UNT Writing Workshop, Invited (2014 2017, 2019, 2021)

Workshops

Grant writing training, UNT, 1998.
Professional Writing Workshop, NSF/UNT, 2002.
WebCT, four-course training, Spring and Summer 2002.

COACh Training, National Meeting of the American Chemical Society, New Orleans, LA, March 2003.
Introduction to Rietveld, for x-ray diffraction research, Denver X-ray Conference, July 2008.

Ethics in Forensics, The Basics of Forensic DNA, and Quantitative Method Validation, Southwestern Association of Forensic Scientists, Little Rock, AR, October 2008.

Understanding the USP (United States Pharmacopeia), Ceutical Labs, Farmers Branch, TX December, 2008.

9th Annual Tarrant County Medical Examiner's Conference, Current Trends in Forensic Science, Ft. Worth, TX, December 2008.

Charred Document Collection, Analysis, and Preservation, Southwestern Association of Forensic Scientists, Orlando, Fl, October 2009.

National Association for Surface Finishing Conference, Las Vegas, NV (2012)

- Advances in Surface Finishing Technology Part I/II

Principles and Applications of Liquid Chromatography Mass Spectrometry (LC/MS) for the Forensic Toxicologist, American Academy of Forensic Science (AAFS), Washington, DC (2013)
FEPAC Session, (AAFS), Washington, DC (2013)
Grant Funding Opportunities in the Forensic Sciences for Academic Programs, , (AAFS), Washington, DC (2013)

Basic to Intermediate XRD Analysis, 62nd Annual Denver X-ray Conference, Westminster, CO August (2013).
Hands-on Rietveld Analysis, 62nd Annual Denver X-ray Conference, Westminster, CO August (2013).
Introduction to Volume H, 62nd Annual Denver X-ray Conference, Westminster, CO August (2013).

Tools and Strategies for Forensic Science Literature Searching and Use, 68th Annual Meeting AAFS, Las Vegas, NV February (2016).
Vaping: What You Didn't Know About Electronic Cigarettes – and Why You Should Care, , 68th Annual Meeting AAFS, Las Vegas, NV February (2016).
FEPAC Session, 68th Annual Meeting AAFS, Las Vegas, NV February (2016).

Analytical Thinking Skills:Essential Training for 21st-Century Forensic Scientists, 70th Annual Meeting AAFS, Seattle, WA February (2018).
Applications of Raman Spectroscopy for Trace Evidence Examinations, 70th Annual Meeting AAFS, Seattle, WA February (2018).

FEPAC Session, 70th Annual Meeting AAFS, , Seattle, WA February (2018).

Forensic Chemistry Drug Enforcement Training, DEA/NIJ, Washington, DC (2016).

Electrochemical Impedance Spectrscopy Short Course: Theory, Applications, and Laboratory Instruction, Houston, Texas, November 5-9, (2018).

Promotion and Tenure External Reviewer
University of Mississippi
Chemistry Faculty (2009)
Michigan State University
Criminal Justice Faculty (2017)
Texas Tech Unviersity
Forensic Analytical Faculty (2023)

Program Reviewer
UNT-HSC, MS Forensic Genetics (2010, 2018)
Department of Forensic and Investigative Genetics (2010)
SUNY Cortland, PSM Program in Advanced Materials
Department of Chemistry (2010-2012)

Proposal Reviewer, 1997-present
National Science Foundation (NSF CHE)
Depatment of Energy (DOE)
Petroleum Research Fund (PRF)

AWARDS

Intel Science Talent Search Teacher of Merit	2011
Intel Science Talent Search Teacher of Merit	2015
Ulys & Vera Knight Faculty Mentor Award	2016

PUBLICATIONS

1. D.W. Armstrong and T. Golden, "Determination of Distribution and Concentration of Trihalomethanes in Aquatic Recreational and Therapeutic Facilities by Electron-Capture GC", *LC-GC*, *4*, 652 (1986).

2. D.W Armstrong, F. Nome, L.A Spino and T.D. Golden, "Efficient Detection and Evaluation of Cyclodextrin Multiple Complex Formation", *J. Am. Chem. Soc.*, *108*, 1418 (1986).

3. J. Wang, P. Tuzhi, and T. Golden, "Amperometric Detection of Cationic Neurotransmitters on Nafion-Coated Glassy Carbon Electrodes in Flow Streams", *Anal. Chim. Acta*, *194*, 129 (1987).

4. J. Wang, T. Golden, and P. Tuzhi, "Poly(4-vinylpyridine)-Coated Glassy Carbon Flow Detectors", *Anal. Chem.*, *59*, 740 (1987).

5. J. Wang, T. Golden, and R. Li, "Cobalt-Phthalocyanine/Cellulose-Acetate Chemically Modified Electrodes for Electrochemical Detection in Flowing Streams", *Anal. Chem., 60,* 1642 (1988).

6. J. Wang and T. Golden, "Metalloporphyrin Chemically Modified Glassy Carbon Electrodes as Catalytic Voltammetric Sensors", *Anal. Chim. Acta, 217,* 343 (1989).

7. J. Wang, T. Golden, K. Varghese, and I. El-Rayes, "Polishable and Robust Modified Graphite Epoxy Electrodes", *Anal. Chem., 61,* 508 (1989).

8. J. Wang and T. Golden, "Permselective and Ion-Exchange Properties of Eastman-AQ Polymers on Glassy Carbon Electrodes", *Anal. Chem., 61,* 139 (1989).

9. J. Wang, T. Golden, M. Ozsoz, and Z. Lu, "Sensitive and Selective Voltammetric Measurements of Tricyclic Antidepressants using Lipid-Coated Electrodes", *Bioelectrochemistry and Bioenergetics, 23,* 217 (1989).

10. D.G. Frank, N. Batina, T. Golden, F. Lu, and A.T. Hubbard, "Imaging Surface Atomic Structure by Means of Auger Electrons", *Science, 247,* 182 (1990).

11. D.G. Frank, T. Golden, and A.T. Hubbard, "Auger Electron Angular Distributions from Surfaces: Forward Focusing or Silhouettes?", *Science, 248,* 1129 (1990).

12. D.G. Frank, T. Golden, F. Lu, and A.T. Hubbard, "Direct Imaging of Epitaxial Layers by Auger Electrons", *Mat. Res. Soc. Bull., 15,* 19 (1990).

13. A.T. Hubbard, D.G. Frank, O.M.R. Chyan, and T. Golden, "Imaging Surface Atomic Structure by Means of Auger Electrons", *J. Vac. Sci. Tech., B8* (6), 1329 (1990).

14. N. Batina, O.M.R. Chyan, D.G. Frank, T. Golden, and A.T. Hubbard, "Imaging Surface Atomic Layers by Means of Auger Electrons", *Naturwissenschaften, 77,* 557 (1990).

15. D.G. Frank, T. Golden, O.M.R. Chyan, and A.T. Hubbard, "Direct Imaging of Monolayer and Surface Atomic Structure by Angular Distribution Auger Microscopy", *J. Vac. Sci. Technol., A9* (3), 1254 (1991).

16. D.G. Frank, T. Golden, O.M.R. Chyan, and A.T. Hubbard, "Direct Imaging of Thin Film Atomic Structures by Angular Distribution Auger Microscopy (ADAM)", *Appl. Surf. Sci., 48/49,* 166 (1991).

17. J.A. Switzer, R.P. Raffaelle, R.J. Phillips, C.J. Hung, and T.D. Golden, "Scanning Tunneling Microscopy of Electrodeposited Ceramic Superlattices", *Science, 258,* 1918 (1992).

18. J. Wang, T. Golden, Y. Lin, and L. Angnes, "Electrodeposition of Platinum and Palladium Particles into Base-hydrolyzed Cellulose Acetate Films. Electrocatalytic/Permselective Surface Microstructures", *J. Electroanal. Chem., 333*, 65 (1992).

19. D.G. Frank, O.M.R. Chyan, T. Golden, and A.T. Hubbard, "Imaging Monolayer Structure by Means of Auger Electrons", *J. Vac. Sci. Technol., A10* (1), 158 (1992).

20. R.J. Phillips, T.D. Golden, and J.A. Switzer, "Potential Step Probe of Epitaxial Growth in Electrodeposited bcc Tl_2O_3 Films onto fcc Conducting Metal Oxides", in Evolution of Surface and Thin Film Microstructure, H.A. Atwater, M. Grabow, E. Chason, and M. Lagally, Eds.; *Mat. Res. Soc. Symp. Proc. 280,* 657-660 (1993).

21. T.D. Golden, R.P. Raffaelle, R.J. Phillips, and J.A. Switzer, "Real-Space Imaging of Nanoscale Electrodeposited Ceramic Superlattices in the Scanning Tunneling Microscope", in Nanophase and Nanocomposite Materials, S. Komarneni, J.C. Parker, and G.J. Thomas, Eds.; *Mat. Res. Soc. Symp. Proc. 286,* 361-366 (1993).

22. R.P. Raffaelle, T.D. Golden, R.J. Phillips, and J.A. Switzer, "Determination of Modulation Wavelengths in Nanoscale Electrodeposited Superlattices using the Scanning Tunneling Microscope", *Nanostructured Materials, 2*, 175 (1993).

23. D.G. Frank, O.M.R. Chyan, T. Golden, and A.T. Hubbard, "Probing Three Distinct Iodine Monolayer Structures at Pt(111) by Means of Angular Distribution Auger Microscopy: Results Agree with Scanning Tunneling Microscopy", *J. Phys. Chem., 97*, 3829 (1993).

24. J.A. Switzer and T.D. Golden, "Scanning Tunneling Microscopy of Nanoscale Electrodeposited Superlattices", *Adv. Mater., 5*, (6), 474 (1993).

25. T.D. Golden, R.P. Raffaelle, and J.A. Switzer, "Cross-Sectional Scanning Tunneling Microscopy of Electrodeposited Metal Oxide Superlattices", *Appl. Phys. Lett., 63*, 1501 (1993).

26. D.G. Frank, O.M.R. Chyan, T. Golden, and A.T. Hubbard, "Auger Emission AngularDistributions from a Silver Monolayer in the Presence and Absence of an Iodine Overlayer: Evidence for the Predominance of Inhomogeneous Inelastic Scattering of Auger Electrons by Atoms", *J. Phys. Chem., 98*, 1895 (1994).

27. J.A. Switzer, C.J. Hung, B.E. Breyfogle, M.G. Shumsky, R.V. Leeuwen, T.D. Golden, "Electrodeposited Defect Chemistry Superlattices", *Science, 264*, 1573 (1994).

28. R.J. Phillips, T.D. Golden, M.G. Shumsky, and J.A. Switzer, "Evolution of Crystallinity during the Electrodeposition of Body-Centered Cubic Thallium (lll) Oxide Onto Glassy Carbon", *J. Electrochem. Soc., 141*, 2391 (1994).

29. R.J. Phillips, T.D. Golden, J.A. Switzer, “Composition Profiles in Electrodeposited Ceramic Superlattices", *Appl. Phys. Lett., 66*, 819 (1995).

30. T.D. Golden, R.P. Phillips and J.A. Switzer, “Real-Time Studies of the Electrocrystallization of Nanoscale Ceramic Superlattices”, in Structure and Properties of Multilayered Thin Films, T.D. Nguyen, B.M. Clemens, B.M. Lairson, K. Sato and S.-C. Shin, Eds., *Mat. Res. Soc. Symp. Proc. 383*, 123-128 (1995).

31. T.D. Golden, M.G. Shumsky, Y. Zhou, R.A. VanderWerf, R.A. Van Leeuwen and J.A. Switzer, “Electrochemical Deposition of Copper(I) Oxide Films”, *Chem. of Mater., 8*, 2499 (1996).

32. J.A. Switzer, E.W. Bohannan, T.D. Golden, C.-J. Hung, L.-Y. Huang, and M. Shumsky, "Electrodeposition of Copper/Cuprous Oxide Nanocomposites", *Mater. Res. Soc. Symp. Proc., 451*, 283 (1997).

33. R. J. Phillips, T.D. Golden, M.G. Shumsky, E. W. Bohannan and J.A. Switzer, “Electrodeposition of Textured Ceramic Superlattices in the Pb-Tl-O System”, *Chem. of Mater., 9*, 1670 (1997).

34. J.A. Switzer, C.J. Hung, E.W. Bohannan, M.G. Shumsky, T.D. Golden and D.C. VanAken “Electrodeposition of Quantum-Confined Metal/Semiconductor Nanocomposites”, *Adv. Mater., 9*, 334 (1997).

35. J.A. Switzer, C.J. Hung, L.Y. Huang, E.R. Switzer, D.R. Kammler, T.D. Golden, E.W. Bohannan, “Electrochemical Self-Assembly of Copper/Cuprous Oxide Layered Nanostructures”, *J. Am. Chem Soc., 120*, 3530 (1998).

36. Q. Wang, A. Geiger, R. Frias, and T. D. Golden "An Introduction to Electrochemistry for Undergraduates: Detection of Vitamin C (Ascorbic Acid) by Inexpensive Electrode Sensors", *The Chem. Educator, 5*, 58-66 (2000).

37. P. Butzloff, N. A. D'Souza, T.D. Golden and D. Garrett " Epoxy + Montmorillonite Nanocomposites: Effects of Composition on Reaction Kinetics," *Polymer Eng. and Sci., 41* [10] 1794-1802 (2001).

38. A. Ranade, N.A. D'Souza, B. Gnade, and T.D. Golden "Polyamide-Imide + Montmorillonite Nanocomposites" *Soc. Plastic Eng. Proc., 2*, 2171-2175 (2001).

39. R.A. Horch, T.D. Golden, N.A. D' Souza and L. Riester "Electrodeposition of Nickel/Montmorillonite Layered Silicate Nanocomposite Thin Films" *Chem. Mater., 14*, 3531-3538 (2002).

40. Q. Wang and T.D. Golden "Anodic Deposition of Cerium Oxide: I. Formation of Crystalline Thin Films", *J. Electrochem. Soc., 150* [9] C616-C620 (2003).

41. T.D. Golden and Q. Wang "Anodic Deposition of Cerium Oxide Thin Films: II. Mechanism Studies", *J. Electrochem. Soc., 150* [9] C621-C624 (2003).

42. A.M. Chen, C. Pingsuthiwong and T.D. Golden “Electrodeposition of Diamond-Like Carbon Films on Nickel Substrates” *J. Mater. Res., 18* [7] 1561-1565 (2003).

43. A.Q. Wang, P. Punchaipetch, R.M. Wallace and T.D. Golden “X-ray Photoelectron Spectroscopy Study of Electrodeposited Nanostructured CeO_2 Films” *J. Vac. Sci. Technol. B, 21* [3] 1169-1175 (2003).

44. T.D. Golden, K. Nayak, D. Fairbrother, and N.A. D'Souza "Linear Low Density Polyethylene and Montmorillonite Layered Silicate Nanocomposites," *Soc. Plastic Eng. Proc., 3* 3162-3166 (2003).

45. M.G. Forbes, K. R. Dickson, T.D. Golden, P. Hudak. and R. Doyle “Dissolved Phosphorus retention of Light weight Expanded Shale and Masonry Sand used in Subsurface Flow Treatment Wetlands” *Environmental Sci. and Tech. 38* [3] 892-898 (2004).

46. T. Arunagiri, T.D. Golden and O. Chyan “Study of Palladium Metal Particle Deposition on the Conductive Diamond Surface by XRD, XPS and Electrochemistry” *Mater. Chem. and Phys. 92*, 152-158 (2005).

47. L.J. Mitchell, O.W. Holland, K. Hossain, E.B. Smith, T.D. Golden, J.L. Duggin, F.D. McDaniel “Formation of Optically-Active, Metal Silicides using Ion Implantation and/or Oxidation” *Nucl. Instr. And Meth. In Phys. Res. B 241*, 548-552 (2005).

48. A.Q. Wang, N.A. D'Souza, and T.D. Golden "Electrosynthesis of Nanocrystalline Cerium Oxide/Layered Silicate Powders" *J. Mater. Chem., 16* [5] 481-488 (2006).

49. Q. Wang, N.A. D'Souza, and T.D. Golden "Ceramic Montmorillonite Nanocomposites by Electrochemical Synthesis" *Appl. Clay Sci., 42*, 310-317 (2008).

50. K. Dagnon, S. Ambadapadi, A. Shaito, S. M. Ogbomo, V. DeLeon, T.D. Golden, M. Rahimi, K. Nguyen, P.S. Braterman, N.A. D’Souza “Poly (l-lactic acid) Nanocomposites with Layered Double Hydroxides Functionalized with Ibuprofen” *J. Appl. Polymer Sci., 113* [3] 1905-1915 (2009).

51. Q. Yuan and T.D. Golden “Electrochemical Study of Hydroxyapatite Coatings on Stainless Steel Substrates” *Thin Solid Films, 518*, 55-60 (2009).

52. Q. Yuan, L.K. Sahu, N. A. D’Souza and T.D. Golden “Synthesis of Hydroxyapatite Coatings on Metal Substrates using a Spincasting Technique” *Materials Chemistry and Physics, 116*, 523-536 (2009).

53. J. Briggle, P.D. Nolidin, T.D. Golden "Multilayer Film Fabrication using Flow Injection Coupled with Electrochemical Deposition" *Electroanalysis*, *22* [19] 2157-2161 (2010).

54. V. DeLeon and T.D. Golden "Effect of Electrochemical Parameters on the Morphology and Ca/P Ratios of Deposited Apatite Coatings on Metal and Alloy Substrates" *ECS Trans.*, *33* [21] 43-50 (2011).

55. H.A. Conrad, J.R. Corbett, and T.D. Golden "Electrochemical Deposition of γ-Phase Zinc-Nickel Alloys from Alkaline Solution" *ECS Trans.*, 33 [30] 85-95 (2011).

56. W. Griffith, T. Golden and J. Roberts "Development and Application of an Electromagnetic Pulse Transmission Probe for the Profiling of Material Charge Centers" *J. Appl. Phys.*, *109*, 123711-1 – 123711-6 (2011).

57. P. Zhang, D. Zhang, Q. Yuan, X. Ren, and T.D. Golden "Modeling Study of Li Ion Diffusion and Microstructure of $LiFePO_4$" *Solid State Sci., 13*, 1510-1515 (2011).

58. H.A. Conrad, J.R. Corbett, and T.D. Golden "Electrochemical Deposition of γ-Phase Zinc-Nickel Alloys from Alkaline Solution" *J. Electrochem. Soc.*, *159* [1] C29-C32 (2012).

59. V.H. DeLeon, T.D. Nguyen, M. Nar, N.A. D'Souza and T.D. Golden "Polymer Nanocomposites for Improved Drug Delivery Efficiency" *Mater. Chem. Phys. 132*, 409-415 (2012).

60. P. Zhang, Z. Lu, Q. Yuan, Q. Hou, T.D. Golden, X. Ren, L. Weng, H. Wang "A Novel Composite Phosphor via One Pot Synthesis: Europium (III) Doped Phase-Separated $SrAl_2Si_2O_8/Sr_2Al_2SiO_7$ as One Matrix with Controllable Luminescence" *Mater. Chem. Phys.*, *134*, 1190-1196 (2012).

61. A.Q. Wang and T.D. Golden "Electrodeposition of Oriented Cerium Oxide Films" *Int. J. Electrochem.*, vol. 2013, ID 482187, 1-10 (2013). http://dx.doi.org/10.1155/2013/482187.

62. J. Tientong, C.R. Thurber, N. D'Souza, A. Mohamed, and T.D. Golden "Influence of Bath Composition at Acidic pH on Electrodeposition of Nickel-Layered Silicate Nanocomposites for Corrosion Protection" *Int. J Electrochem. vol. 2013*, ID 853869, 1-8 (2013). http://dx.doi.org/10.1155/2013/853869.

63. J. Tientong, S. Garcia, C.R. Thurber, and T.D. Golden, "Synthesis of Nickel and Nickel Hydroxide Nanopowders by Simplified Chemical Reduction," *J. Nanotechnology*, *vol. 2014*, ID 193162, 1-6, (2014). doi:10.1155/2014/193162.

64. Y.H. Ahmad, J. Tientong, N. D'Souza, T.D. Golden, A.M.A. Mohamed "Salt Water Corrosion Resistance of Electrodeposited Ni-Layered Silicate Nanocomposite Coatings from Watts' Type Solution" *Surf. Coat. Technol. 242*, 170-176 (2014).

65. J. Tientong, Y.H. Ahmad, M. Nar, N. D'Souza, A.M.A. Mohamed, T.D. Golden "Improved Mechanical and Corrosion Properties of Nickel Composite Coatings by Incorporation of Layered Silicates" *Mater. Chem. Phys., 145*, 44-50 (2014)

66. J.W. Davis, M.S. Kahl and T.D. Golden "Mechanistic Study of Cationic Dye Interactions with Clay-Polymer Dispersions via Metachromatic Effect, Aggregation and Surface Charge" *J. Appl. Poly. Sci., 131*, [8] *40141, doi:10.1002/app.40141* (2014). (Volume 131, Issue 8, April 15, 2014).

67. M. Kahl and T.D. Golden "Electrochemical Determination of Phenolic Acids at a Zn/Al Layered Double Hydroxide Film Modified Glassy Carbon Electrode" *Electroanalysis, 26*, 1664-1670 (2014).

68. Y.H. Ahmad, A.M.A. Mohamed, T.D. Golden, D'Souza "Electrodeposition of Nanocrystalline Ni-Mo Alloys from Alkaline Glycinate Solutions" *Int. J. Electrochem. Sci. 9*, 6438-6450 (2014).

69. V. Huynh, U. Joshi, J.M. Leveille, T.D. Golden, G.F. Verbeck "Nanomanipulation-Coupled to Nanospray Mass Spectrometry Applied to Document and Ink Analyses" *For. Sci. Int. 242*, 150-156 (2014).

70. C.R. Thurber, M.C. Calhoun, Y.H. Ahmad, N. D'Souza, A.M.A. Mohamed, T.D. Golden "Electrodeposition of Cu-Ni Incorporated with Layered Silicates for Corrosion Protection" *ECS Trans., 61* [20] 49-60 (2014).

71. C. Crutsinger, D. Wilson, A. Wilson, V. Prybutok, and T. Golden, "Faculty Mentor Networks: Strategies for Increasing Scholarly Output" *Proceedings at The Mentoring Institute 7th Annual 2014 Mentoring Conference*, UNM, (2014).

72. Y.H. Ahmad, J. Tientong, N. D'Souza, A.M.A. Mohamed, T.D. Golden "Characterization and Corrosion Resistance of Electrodeposited Ni-Mo-Silicate Platelet Nanocomposite Coatings" *Surf. Coat. Technol., 259*, 517-525 (2014).

73. K. Haynes, C. Perry, M. Rivas, T. Golden, A. Bazan, M. Quintana, V. Nesterov, S. Berhe, J. Rodríguez, W. Estrada, W. Youngblood "Templated Electrodeposition and Photocatalyic Activity of Cuprous Oxide Nanorod Arrays" *ACS Applied Materials & Interfaces, 7*, 830-837 (2015).

74. H.A. Conrad, M.R. McGuire, T. Zhou, M.I. Coskun, and T.D. Golden "Improved Corrosion Resistant Properties of Electrochemically Deposited Zinc-Nickel Alloys Utilizing a Borate Electrolytic Alkaline Solution" *Surf. Coat. and Technol*., *272*, 50-57 (2015).

75. M.İ. Coskun, İ.H. Karahan, and T.D. Golden "Computer Assisted Corrosion Analysis of Hydroxyapatite Coated CoCrMo Biomedical Alloys" *Surf. Coat. & Technol., 275*, e1-e9 (2015). 10.1016/j.surfcoat.2015.05.037.

76. Q. Yuan, Z. Lu, P. Zhang, X. Luo, X. Ren, and T.D. Golden "Study of the Synthesis and Crystallization Kinetics of Magnesium Hydroxide" *Mater. Chem. Phys., 162,* 734-742 (2015). https://doi.org/10.1016/j.matchemphys.2015.06.048.

77. L.G. Combs, J.E. Warren, V. Huynh, J. Castaneda, T.D. Golden, R.K. Roby "The Effects of Metal Ion PCR Inhibitors on Results Obtained with the Quantifiler® Human DNA Quantification Kit" *For. Sci. Int. Genetics, 19,* 180-189 (2015). https://doi.org/10.1016/j.fsigen.2015.06.013.

78. V. Huynh, K.C. Williams, T.D. Golden, G.F. Verbeck "Investigation of Falsified Documents via Direct Analyte Probe Nanoextraction coupled to Nanospray Mass Spectrometry, Fluorescence Microscopy, and Raman Spectroscopy" *Analyst, 140,* 6553-6562 (2015). DOI: 10.1039/C5AN01026H.

79. C. Crutsinger, V. Prybutok, T. Golden, J. Meernik, A. Wilson "Leading by Example: University Top Scholars Support Mentoring Networks", *Proceedings at The Mentoring Institute 8th Annual 2015 Mentoring Conference,* UNM, (2015).

80. C.R. Thurber, Y.H. Ahmad, S.F. Sanders, A. Al-Shenawa, N. D'Souza, A.M.A. Mohamed, T.D. Golden "Electrodeposition of 70-30 Cu-Ni Nanocomposite Coatings for Enhanced Mechanical and Corrosion Properties" *Curr. Appl. Phys., 16,* 387-396 (2016). https://doi.org/10.1016/j.cap.2015.12.022.

81. M.İ. Coşkun, İ.H. Karahan, Y. Yücel, and T.D. Golden "Computer Assisted Optimization of Electrodeposited Hydroxyapatite Coating Parameters on Medical Alloys" *Met. Mater. Trans. A., 47* (4), 1828-1841 (2016).

82. M.İ. Coşkun, İ.H. Karahan, Y. Yücel, and T.D. Golden "Optimization of Electrochemical Step Deposition for Bioceramic Hydroxyapatite Coatings on CoCrMo Implants" *Surf. Coat. Tech., 301,* 42-53 (2016). doi: 10.1016/j.surfcoat.2015.12.076.

83. M.İ. Coşkun, İ.H. Karahan, Y. Yücel, and T.D. Golden "Modeling the Effect of Temperature and Potential on the In Vitro Corrosion Performance of Biomedical Hydroxyapatite Coatings" *Met. Mater. Trans. A., 47A,* 5169-5180 (2016). https://doi.org/10.1007/s11661-016-3681-6.

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84. T. D. Golden, P. Davila, N. Ledbetter, R. M. Ernest, and G. Verbeck "Direct Analysis of Trace Analytes and GSR from Fibers utilizing Nanomanipulation Coupled to Mass Spectrometry" SWAFS Conference, Little Rock, AR, September 2008.

85. C. Molina, A. Jancaric, and T.D. Golden "Anodic Deposition of Praseodymium Oxide" 64th ACS Southwest Regional Meeting, Little Rock, AR, October 2008.

86. J. Davis, N D'Souza, and T.D. Golden "Structural and Thermal Analysis of Laponite:Polymer Composites containing PEO-PPO-PEO Triblock Copolymers" 64th ACS Southwest Regional Meeting, Little Rock, AR, October 2008.

87. H.A. Conrad, J.R. Corbett, and T.D. Golden "Electrochemical Deposition of Zinc-Nickel Alloys in Alkaline Solution for Increased Corrosion Resistance" 64th ACS Southwest Regional Meeting, Little Rock, AR, October 2008.

88. V. DeLeon and T.D. Golden "Electrochemical Study of Hydroxyapatite Coatings on Stainless Steel" 64th ACS Southwest Regional Meeting, Little Rock, AR, October 2008.

89. H.A. Conrad, J.R. Corbett, and T.D. Golden "Electrochemical Deposition of Zinc-Nickel Alloys in Alkaline Solution for Increased Corrosion Resistance" UNT TAMS, October 7th, 2008.

90. T. D. Golden, P. Davila, N. Ledbetter, R. M. Ernest, and G. Verbeck "Direct Analysis of Trace Analytes and GSR from Fibers utilizing Nanomanipulation Coupled to Mass Spectrometry" AAFS Conference, Denver, CO, February, 2009.

91. S. Tippen and T.D. Golden "DNA Profiling – Forensics' Secret Weapon A Research Prospectus" Honors College UNT Scholars Day, April 3, 2009.

92. H. Conrad, J. Corbett and T. Golden "Electrochemical Deposition of Zinc-Nickel Alloys in Alkaline Solution for Increased Corrosion Resistance" 42nd ACS Meeting-in-Miniature, UNT, May 2009.

93. V. DeLeon and T. Golden "Electrochemical Study of Hydroxyapatite Coatings on Stainless Steel Substrates" 42nd ACS Meeting-in-Miniature, UNT, May 2009.

94. J. Davis and T Golden "Solid State 12C NMR Analysis of Copolyterephthalats with Cyclobutanediol (CBDO)" 42nd ACS Meeting-in-Miniature, UNT, May 2009.

95. V. H. DeLeon, T. D. Nguyen, K. Dagnon, T.D. Golden and N. D'Souza "Effects of Varying the Interlayer Anion for Chromate Adsorption on Zn/Al Layered Double Hydroxides" UNT TAMS, October 7th, 2009.

96. L. Wang and T.D. Golden "Successful Retention of Phosphorus Contamination in Wastewater by Light-Weight Expanded Shale" UNT TAMS, October 7th, 2009.

97. U. Joshi, T.D. Golden, and G.F. Verbeck "Nanomanipulation-Coupled to Nanospray Mass Spectrometry Applied to Document and Ink Analysis" SWAFS Conference, Orlando, FL, October 2009.

98. T.D. Golden, J.M. Weldon, J.L. Cox, R. Ford and T. Nguyen "Quantitative Analysis of Document Images from Electrostatic Detection" SWAFS Conference, Orlando, FL, October 2009.

99. V.H. DeLeon, T. Nguyen, K. Dagnon, N. D'Souza and T.D. Golden "Affect of Varying the Interlayer Anion for Chromate Adsorption on Zn/Al Layered Double Hydroxides" 65th ACS Southwest Regional Meeting, El Paso, TX, November 2009.

100. C. Molina and T.D. Golden "Anodic Deposition of Praseodymium Oxide" 65th ACS Southwest Regional Meeting, El Paso, TX, November 2009.

101. T.D. Golden, M.J. Weldon, J.L. Cox. R. Ford, and T. Nguyen "Quantitative Analysis of ESDA Images" 65th ACS Southwest Regional Meeting, El Paso, TX, November 2009.

102. U. Joshi, T.D. Golden, and G.F. Verbeck "Nanomanipulation-Coupled to Nanospray Mass Spectrometry Applied to Document and Ink Analysis" 65th ACS Southwest Regional Meeting, El Paso, TX, November 2009. (invited)

103. U. Joshi, T.D. Golden, and G.F. Verbeck "Nanomanipulation-Coupled to Nanospray Mass Spectrometry Applied to Ink and Document Analysis" 62nd AAFS National Meeting, Seattle, WA, February 2010.

104. H. A. Conrad, J. R. Corbett, and T.D. Golden "Increasing the Corrosion Resistant Properties of Electrochemically Deposited Zinc/Nickel Alloys as Protective Coatings on Stainless Steel Substrates" 218th ECS Meeting, Las Vegas, NV, October 2010.

105. V. DeLeon and T.D. Golden "Effect of Electrochemical Parameters on the Morphology and Ca/P Ratios of Deposited Apatite Coatings on Metal and Alloy Substrates" 218th ECS Meeting, Las Vegas, NV, October 2010.

106. C. Bu and T.D. Golden "Development of Experimental Methods and Linear Free Energy Relationship Modeling to Characterize the Retention Behavior of Pharmaceutical and Illegal Drug Compounds" UNT TAMS, October, 2010.

107. H. A. Conrad, J. R. Corbett, and T.D. Golden "Increasing the Corrosion Resistant Properties of Electrochemically Deposited Protective Coatings on Stainless Steel Substrates" UNT Chemistry Centennial, Denton, TX, October 2010.

108. R. Ford, J.M. Weldon, T. Nguyen and T.D. Golden "Quantitative Analysis of Electrostatically Enhanced Latent Images" UNT Chemistry Centennial, Denton, TX, October 2010.

109. U. Joshi, T.D. Golden, and G.F. Verbeck "Nanomanipulation-Coupled to Nanospray Mass Spectrometry Applied to Document and Ink Analysis" UNT Chemistry Centennial, Denton, TX, October 2010.

110. V. DeLeon and T.D. Golden "Effect of Electrochemical Parameters on the Morphology and Ca/P Ratios of Deposited Apatite Coatings on Metal and Alloy Substrates" UNT Chemistry Centennial, Denton, TX, October 2010.

111. V.H. DeLeon, T. Nguyen, K. Dagnon, N. D'Souza and T.D. Golden "Effect of Varying the Interlayer Anion for Chromate Adsorption on Zn/Al Layered Double Hydroxides" UNT Chemistry Centennial, Denton, TX, October 2010.

112. N.A. D'Souza, T.D. Golden, and V. Vaidyanathan "Nanostructured Anti-inflammatory Stress Monitoring Polymers" Army Research Symposium, October 2010.

113. V. DeLeon, T.D. Nguyen, K. Dagnon, T.D. Golden, and N. D'Souza "Effects of Varying the Interlayer Anion for Chromate Absorption on Zn/Al Layered Double Hydroxides" UNT Graduating Recruiting Poster Session, Denton, TX. March 2011.

114. V. DeLeon and T.D. Golden "Effects of Electrochemical Parameters on the Morphology and Ca/P Ratios of Deposited Apatite Coatings on Metal and Alloy Substrates" UNT Graduating Recruiting Poster Session, Denton, TX. March 2011.

115. H.A. Conrad, J.R. Corbett and T.D. Golden "Increasing the Corrosion Resistant Properties of Electrochemically Deposited Zinc/Nickel Alloys as Protective Coatings on Stainless Steel Substrates" UNT Graduating Recruiting Poster Session, Denton, TX. March 2011.

116. C. Bu and T.D. Golden "Development of Experimental Methods and Linear Free Energy Relationship Modeling to Characterize the Retention Behavior of Pharmaceutical and Illegal Drug Compounds" UNT Graduating Recruiting Poster Session, Denton, TX. March 2011.

117. H. Conrad and T.D. Golden "Improving the Corrosion Resistant Properties of Protective Coatings on Stainless Steel Substrates through the Incorporation of Silicate Nanocomposites into Metallic Alloys" 220th ECS Meeting, Boston, MA, October 2011.

118. J. Tientong, N. D'Souza, and T.D. Golden "Enhancement of Corrosion Resistance of Stainless Steel by Electrodeposition of Metal Alloy Film Incorporation with Layered Ceramic Particles" 220th ECS Meeting, Boston, MA, October 2011.

119. V. DeLeon and T.D. Golden "Electrochemical Synthesis of Hydroxyapatite and Use in Elemental Bone Analysis" FACSS Conference, Reno, NV, October 2011.

120. H. Conrad and T.D. Golden "Improvement of Zinc-nickel and Copper-nickel Corrosion Resistant Coatings through the Incorporation of Silicate Nanocomposites" 67th ACS Southwest Regional Meeting, Austin, TX, November 2011.

121. V. DeLeon and T.D. Golden "Electrochemical Synthesis of Hydroxyapatite and Use in Elemental Bone Analysis" 67th ACS Southwest Regional Meeting, Austin, TX, November 2011.

122. J. Tientong and T.D. Golden "Nickel Alloy Silicate Corrosion Resistant Coatings for use in the Oil and Gas Industry" 67th ACS Southwest Regional Meeting, Austin, TX, November 2011.

123. R. Ford, T.D. Golden, and M. Weldon "Quantitative Analysis of Electrostatically Enhanced Latent Images"67th ACS Southwest Regional Meeting, Austin, TX, November 2011.

124 . H. Conrad and T.D. Golden "Improvement of Zinc-Nickel and Copper-Nickel Corrosion Resistant Coatings through Incorporation of Layered Silicates" Pittcon, Orlando, FL, March 2012.

125. V. DeLeon and T.D. Golden "Electrochemical Synthesis of Hydroxyapatite and Use in Elemental Bone Analysis" Pittcon, Orlando, FL, March 2012.

126 J. Tientong and T.D. Golden "Nickel Alloy Silicate Corrosion Resistant Coatings for use in the Oil and Gas Industry " Pittcon, Orlando, FL, March 2012.

127. W. Dios and T.D. Golden "Electrochemical Synthesis of Cerium Dioxide Doped with Praseodymium" Pittcon, Orlando, FL, March 2012.

128. S. Garcia and T.D. Golden "Synthesis of Nickel and Nickel Hydroxide Nano-powder" 13th University of Maryland National Conference for McNair Scholars and Undergraduate Research Attendees, March 2012.

129. S. Garcia and T.D. Golden "Synthesis of Nickel and Nickel Hydroxide Nano-powder by Simple Hydrazine Reduction" 13th Annual Undergraduate Research Symposium, San Antonio, Tx, April 2012.

130. L. Horn and T.D. Golden "Quantitative Analysis of Electrostatically Enhanced Latent Images" UNT Scholar's Day, April 2012.

131. L.J. Gaydosh, V.H. DeLeon, T.D. Golden, J.E. Warren, and R.K. Roby "Metal Ions as Forensically-Relevant Inhibitors of PCR-Based DNA Testing" 65th AAFS Meeting, Washington DC, February 2013.

132. R.L. Ford, J.M. Weldon, J. Leveille, T.D. Golden "Using PhotoShop® to Quantitatively Analyze Electrostatically Enhanced Latent Images" 245th ACS National Meeting, New Orleans, LA, April 2013.

133. J. Castañeda, V. Huynh, L. Combs, J. Warren, and T.D. Golden "Effect of Different Copper Concentrations on 6-Carboxyfluorescein (6-FAM) in DNA Analysis" Univ. Houston (GSIF) Meeting, October, 18th, 2013.

134. L.J. Combs, V. Huynh, V.H. DeLeon, T.D. Golden, J.E. Warren, and R.K. Roby "Elemental and DNA Analysis of Constituents Obtained from Extracting Bone Samples" 66th AAFS Meeting, Seattle, WA, February 2014.

135. Y.H. Ahmad, N. D'Souza, T.D. Golden, A.M.A. Mohamed, "Mechanical and Corrosion Performance of Ni-layered Silicate Composite Coatings" Materials Science and Engineering Symposium, Center For Advanced Materials, Qatar University, Doha, Qatar18th February 2014.

136. J. Tientong, Y.H. Ahmad, N. D'Souza, A.M.A. Mohamed, T.D. Golden "Electrodeposited Ni-Mo-Layered Silicate Nanocomposites for Improved Corrosion and Hardness Resistance" 247th ACS National Meeting, Dallas, TX, March 2014.

137. V. Huynh, J.M. Leveille, U. Joshi, T.D. Golden, G.F. Verbeck, "Nanomanipulation-coupled to Nanospray Mass Spectrometry Applied to Document and Ink Analysis" 247th ACS National Meeting, Dallas, TX, March 2014.

138. D. Harbour, S.S. Akhter, T.D. Golden "Determination of Molecular Descriptors of Commonly used Drug Compounds by GC-FID using the Abraham Solvation Model" 247th ACS National Meeting, Dallas, TX, March 2014.

139. M. Kahl, T.D. Golden "Electrochemical Determination of Phenolic Acids at a Zn/Al Layered Double Hydroxide Film Modified Glassy Carbon Electrode" 247th ACS National Meeting, Dallas, TX, March 2014.

140. C. Thurber, M.C. Calhoun, Y.H. Ahmad, N. D'Souza, A.M.A. Mohamed, T.D. Golden "Electrodeposition of 90-10 and 70-30 Cu-Ni for Microbial Corrosion Protection" 247th ACS National Meeting, Dallas, TX, March 2014.

141. K.M. Haynes, W.J. Youngblood, T.D. Golden "Electrochemical Growth of Copper(I) Oxide Nanorods on F-SnO_2 Substrates via Polymer Templating" 247th ACS National Meeting, Dallas, TX, March 2014.

142. J. Castaneda, V. Huynh, T.D. Golden "Effect of Different Copper Concentrations on 6-carboxyfluorescein (6-FAM) in DNA Analysis" 247th ACS National Meeting, Dallas, TX, March 2014.

143. C. Thurber, M.C. Calhoun, Y.H. Ahmad, N. D'Souza, A. Mohamed, T.D. Golden "Electrodeposition of Cu-Ni Incorporated with Layered Silicates for Microbial Corrosion Protection" 225th ECS National Meeting, Orlando, Fl, May 2014.

144. C.R. Thurber, J. Tientong, M.C. Calhoun, Y.H. Ahmad, N. D'Souza, A. Mohamed, T.D. Golden "Ni-Mo and Cu-Ni Nanocomposite Coatings for High-Temperature and Microbial Induced Corrosion" SAMPE, Dallas, TX, April 2014.

145. C. Crutsinger, D. Wilson, A. Wilson. V. Prybutok, T. Golden "Faculty Mentoring Networks: Strategies for Increasing Scholarly Output" Talk, Mentoring Conference: Developmental Networks: Mentoring & Coaching at Work, Albuquerque, NM, October 22, 2014.

146. C. Crutsinger, D. Wilson, A. Wilson. V. Prybutok, T. Golden "Faculty Mentoring Networks: Strategies for Increasing Scholarly Output" Poster Session at The Mentoring Institute 7th Annual 2014 Mentoring Conference, Albuquerque, NM, October 23, 2014.

147. R.E. Daugherty, T.D. Golden "Nickel-synthetic Zaccagnaite Dispersion Coatings on Stainless Steels for Corrosion Resistance in Marine Environments" ACS Southwest Regional Meeting, Ft. Worth, TX, November 2014.

148. C. R. Thurber, M. C. Calhoun, S. F. Sanders, Y.H. Ahmad, N. D'Souza, A. Mohammed, T.D. Golden "Electrodeposition of 70-30 Cu-Ni Composite Coatings for Corrosion Protection "ACS Southwest Regional Meeting, Ft. Worth, TX, November 2014.

149. V. Huynh, K.C. Williams, T.D. Golden, G.F. Verbeck "The Forensic Application of Nanomanipulation-coupled to Raman, Fluorescence Microscopy, and Nanospray Mass Spectrometry Applied to Document Inks" ACS Southwest Regional Meeting, Ft. Worth, TX, November 2014.

150. C.R. Thurber, Y.H. Ahmad, S.F. Sanders, A. Al-Shenawa, N. D'Souza, A.M.A. Mohamed, T.D. Golden "Electrodeposition of Cu-Ni Nanocomposite Coatings for Enhanced Mechanical and Corrosion Properties" University of Central Arkansas Seminar Series, Conway, AR, February 13th 2015. (Invited Oral Presentation)

151. L.J. Combs, V. Huynh, T.D. Golden, J.E. Warren, and R.K. Roby "Effect of Skeletal Sampling Technique on DNA and Elemental Analysis Results" 67th AAFS Meeting, Orlando, FL, February 2015.

152. C.R. Thurber, M.C. Calhoun, Y.H. Ahmad, N. D'Souza, A.M.A. Mohamed, T.D. Golden "Electrodeposition of 90-10 Cu-Ni Nanocomposite Coatings for Corrosion Protection" 2015 Graduate Student Exhibition, University of North Texas, Denton, TX, March 7th, 2015. (Poster - Placed 1st)

153. V. Huynh, K.C. Williams, T.D. Golden, G.F. Verbeck "Investigations of Falsified Documents via DAPNe coupled to NSI-MS, Fluorescence Microscopy, and Raman Spectroscopy" 2015 Graduate Student Exhibition, University of North Texas, Denton, TX, March 7th, 2015. (Poster - Placed 3rd)

154. M. Kahl, T.D. Golden "In Situ Electrochemical Synthesis of Zinc Substituted Hydrotalcite Polytype Films for Corrosion Protection" Pittcon 2015, New Orleans, LA, March 8th-12th, 2015.

155. J.M. Bishop, D. Harbour, W. Acree, T.D. Golden "Using Gas and Liquid Chromatography to Solve the Abraham Solvation Model for Illicit Drugs" Pittcon 2015, New Orleans, LA, March 8th-12th, 2015.

156. C.R. Thurber, T.D. Golden "Electrodeposition of Cu-Ni Nanocomposite Coatings for Enhanced Mechanical and Corrosion Protection" Pittcon 2015, New Orleans, LA, March 8th-12th, 2015.

157. M.I. Coşkun, İ.H. Karahan, Y. Yücel, T.D. Golden "Modelling the Effect of Temperature and Potential on the in vitro Corrosion Performance of Electrodeposited Biocompatible HA Coatings" NACE 2015, Dallas, TX, March 15th-19th, 2015.

158. C.R. Thurber, M.C. Calhoun, Y.H. Ahmad, A. Al-Shenawa, N. D'Souza, A.M.A. Mohamed, T.D. Golden "Enhanced Corrosion and Mechanical Properties of 90-10 Cu-Ni Nanocomposite Coatings" NACE 2015, Dallas, TX, March 15th-19th, 2015.

159. C.R. Thurber, M.C. Calhoun, Y.H. Ahmad, N. D'Souza, A.M.A. Mohamed, T.D. Golden "Electrodeposition of 90-10 Cu-Ni Nanocomposite Coatings for Corrosion Protection" 2015 Federation Graduate Student Research Symposium, Texas Woman's University, Denton, TX, April 10th, 2015. (Poster)

160. C.R. Thurber, M.C. Calhoun, Y.H. Ahmad, A. Al-Shenawa, N. D'Souza, A. Mohamed, T.D. Golden "Enhanced Corrosion and Mechanical Properties of 90-10 Cu-Ni Nanocomposite Coatings" SAMPE, Irving, TX, April 23rd 2015. (Poster)

161. T.D. Golden "Synthesis of Artificial Bone Standards and Use in Elemental Bone Analysis for DNA Quantification" LeTourneau University, TX, August 27th, 2015 (invited).

162. V. Huynh, P.M. Mach, Z.J. Sasiene, K.C. Williams, T.D. Golden, G.F. Verbeck "Forensic application of direct analyte-probed nanoextraction (DAPNe) applied to document ink analysis" SciX Conference, Providence, RI, Sept. 27 – Oct. 2, 2015.

163. T. Allen, K. Smart. A. Yarberry, V. Huynh, J.M. Weldon, T.D. Golden "Visualization of Latent Pen Marks using Electrostatic Detection Apparatus under Controlled Temperature and Humidity" 37th Annual SWAFS 2015 Conference, Oklahoma City, OK, October 19 - 23, 2015.

164. C. Crutsinger, V. Prybutok, T. Golden, J. Meernik, A. Wilson "Leading by Example", 8th Annual Mentoring Conference: New Perspectives in Mentoring: A Quest for Leadership Excellence & Innovation, Albuquerque, NM, October 21, 2015.

165. W.K. Yaseen, M.A. Rawshdeh, T.D. Golden, S. Nasrazadani, M. Omary "Utilizing Hydrophobic Coatings in Corrosion Protection and Anti-Icing" ACS SWRM, Memphis, TN, Nov 4-7, 2015.

166. T.D. Golden "Synthesis of Artificial Bone Standards and Use in Elemental Bone Analysis for DNA Quantification" Texas Womens University, TX, April 8th, 2016 (invited).

167. D. Harbour, T.D. Golden "The Effect of GC Column Length on the Accuracy of the Solvation Parameter Model" 49th ACS MIM, Denton, TX, April 23rd, 2016.

168. S. Sanders, T.D. Golden "Electroless Functionalization of Cerium Oxide Nanoparticles through use of Aryl Diazonium Salts" 49th ACS MIM, Denton, TX, April 23rd, 2016.

169. J.M. Bishop, T.D. Golden "Using Liquid Chromatography to Solve the Abraham Solvation Model for New Pharmaceutical Drugs" 49th ACS MIM, Denton, TX, April 23rd, 2016.

170. T. Zhou, T.D. Golden "Corrosion Behavior of Electrochemically Deposited Zn-Mo Alloys on Stainless Steel from Alkaline Citrate Solutions" 49th ACS MIM, Denton, TX, April 23rd, 2016.

171. C. Ozigagu, T.D. Golden "Effect of Degraded Methanol From Hydrate Prevention/ CO_2/ High Salt Environments on 316L Grade Steel" NACE 2017, New Orleans, LA, March 26th-30th, 2017.

172. T. Zhou, M.I. Coskun, T.D. Golden "Corrosion Behavior of Electrochemically Deposited Zn-Mo Coatings on Steel from Alkaline Citrate Solutions" NACE 2017, New Orleans, LA, March 26th-30th, 2017.

173. C. Ozigagu, T. Zhou, S. Sanders, T.D. Golden "Introducing a Simple Immersion Technique for Investigating Corrosion Behavior at Low Temperatures" NACE 2018, Phoenix, AR, April 15-19th, 2018.

174. D. Karunarathne, F. D'Souza, T.D. Golden "Synthesis of a Novel Sulfide Scavenger and Effect of Scavenging on Corrosion of Steel" NACE 2018, Phoenix, AR, April 15-19th, 2018.

175. A. Aminifazl, T.D. Golden "Silane Functionalized Ni-Al Modified Layered Double Hydroxide-based Epoxy Coating with Improved Corrosion Resistance" NACE 2018, Phoenix, AR, April 15-19th, 2018.

176. C. Ozigagu, T.D. Golden "Sweet corrosion of Ni-Mo alloy coating in high salt and gas hydrate temperature environments" NACE 2018, Phoenix, AR, April 15-19th, 2018.

177. K. Smart, W. Acree, T.D. Golden "Predicting Drug Separations for Ionic Liquid Phases Using an Intelligent Decision Tree & the Abraham Model" Southwestern Association of Toxicologists (SAT) Fall Meeting, Dallas, TX, Nov. 7-9, 2018.

178. T. Golden "Electrochemical Synthesis of Bone Standards and Use in Elemental Bone Analysis" St. Mary's University, San Antonio, TX, Dec. 2018. (invited)

179. N. Ngo, T.D. Golden "Synthesis, Characterization, and the Effects of Cerium Oxide Grafted Ferrocene-Nickel Nanocomposite Coatings" Women in STEM Event, UNT Denton, TX, March 1, 2019.

180. J.T. Bright, D. Karunarathne, T.D. Golden "Organo Silane Functionalized Ceria Nanoparticles Electrodeposited into Nickel Films for Corrosion Protection on Steel" NACE 2019, Nashville, TN, March 24-28th, 2019.

181. D. Karunarathne, T.D. Golden "Aromatic Disulfide based Compounds as Corrosion Inhibitors for Steel" NACE 2019, Nashville, TN, March 24-28th, 2019.

182. A. Aminifazl, T.D. Golden "A Comparison of Corrosion Inhibition of Silane Functionalized Decavanadate and Nitrate Intercalated Zn-Al- Layered Double Hydroxides (LDHs)-Epoxy Coatings" NACE 2019, Nashville, TN, March 24-28th, 2019.

183. H. Conrad, N, Ngo, T.D. Golden "Synthesis, Characterization, and the Effects of Cerium Oxide Grafted Ferrocene-nickel Nanocomposite Coatings" ACS National Meeting, Orlando, Fl, April 2019.

184. N. Ngo, A. Couch, H. Conrad, T.D. Golden "The Effects of Citric Acid on the Mechanical and Corrosion Resistant Properties of Ni-Y_2O_3 Coatings for Enhanced Corrosion Protection" ACS National Meeting, Orlando, Fl, April 2019.

185. H. Conrad, N, Ngo, T.D. Golden "Synthesis, Characterization, and the Effects of Cerium Oxide Grafted Ferrocene-nickel Nanocomposite Coatings" ACS National Meeting, SCI-MIX Reception, Orlando FL, April 2019.

186. C.E. Ozigagu, T. Zhou, S. Sanders, T.D. Golden "Corrosion Behavior of Ni-Mo Alloys in CO_2-saturated Salinity Environment at Gas Hydrate Formation Temperatures" 235th ECS Meeting, Dallas, TX, May 26-31st, 2019.

187. J. England, N. Ngo, T.D. Golden "Enhancing Mechanical and Corrosion Properties of Electrodeposited Ni-Pr_6O_{11} Composite Coatings via Stabilizing Agents" 235th ECS Meeting, Dallas, TX, May 26-31st, 2019.

188. N. Ngo, G. Argade, T.D. Golden "The Effects of Citric Acid on the Mechanical and Corrosion Resistant Properties of Ni-Y_2O_3 Coatings for Enhanced Corrosion Protection" 235th ECS Meeting, Dallas, TX, May 26-31st, 2019.

189. A. Aminifazl, T.D. Golden "Corrosion Studies of 12-aminododecanoate Modified Zn-Al LDH/epoxy Coating" 235th ECS Meeting, Dallas, TX, May 26-31st, 2019.

190. D. Karunarathne, T.D. Golden "Aromatic Disulfide based Compounds as Corrosion Inhibitors for Steel in Acidic Media" 235th ECS Meeting, Dallas, TX, May 26-31st, 2019.

191. K. Smart, T.D. Golden, W.E. Acree "Estimation of Chemical Toxicity due to Fentanyl Compounds" 73rd AAFS Meeting, Virtual Seminar, February 2021.

192. K. Smart, G. Verbeck, W. Acree, T.D. Golden "Novel GLC-based Methods for Isomeric Fentanyl Analogs" Pittcon 2021, New Orleans, LA, March 6th-10th, 2021.

193. J. England, M. Uddin, D. Karunarathne, T.D. Golden, H.R. Siller "Mechanical and Corrosion Studies of Additive Manufactured Stainless Steel" ACS MIM, TX, May 1st, 2021.

194. A. Aminifazl, T.D. Golden "Preparation and Characterization of Functionalized Organic and Inorganic Modified Zn-Al LDHs using Decavanadate, Dodecanoate, Amino Dodecanoate and Dodecyl Sulfate Anions" ACS MIM, TX, May 1st, 2021.

195. D. Karunarathne, T.D. Golden "Corrosion Inhibition Effect of Pyridine-2-thiol for Brass in Acidic Environments" ACS MIM, TX, May 1st, 2021.

196. K. Smart, G. Verbeck, W. Acree, T.D. Golden "Novel GLC-based Methods for Isomeric Fentanyl Analogs" ACS MIM, TX, May 1st, 2021.

197. Gonzalez, J.; Hamilton, D.; Gregory, M.; Golden, T. D.; Atkinson, M. B. (Nov 6, 2022) Investigating how undergraduate students interpret IR spectra. American Chemical Society Southwest Regional Meeting (SWRM), Baton Rouge, LA.

STUDENT ADVISING/DEGREES AWARDED

Professional Science Masters (PSM) Industrial Chemistry
Stacey Smith "Comparison Study on the Active Component xyz in the Product abc by HPLC: Intermediate Precision for Vehicle Standards" (2002).

Ben Brown "Validation of Benzalkonium Chloride in Prednisolone $NaPO_4$ Ophthalmic Solution" (2003).

Jing Wang "Peptide/Protein Array and High Throughput Screening Technology" (2004).

David Buxton "Methods for Determining Total Petroleum Hydrocarbons/Experimental Design/Standard Water Quality Diagnostics" (2006).

Bernard Hollins "Analysis of Dibenzofuran in Diphenyl Oxide by Normal Phase High Performance Liquid Chromatography" (2006).

Kari Dickey "Pharmacopeia Methods for Determination of Ascorbic Acid and Dibasic Sodium Phosphate" (2006).

Morgan Roberts "Identification and Quantitation of the Fatty Acids in a Variety of Fish Oil Samples and a Flax Seed Oil Sample" (2007).

Loraine Dieckmann "Binding of Mercury (II) to a de novo Designed Peptide" (2010).

Robin Jill Willi "Chemical Analysis of Waste Water" (2010).

Akash Munshi "Contamination Ions in the Semiconductor Industry" (2010).

David Baker "Determination of Strontium-90 in Water; Using a Strontium Specific Extraction Chromatographic Resin" (2013).

Melissa Giguere "Drug Profiling Databases in the US and Impurities in Methamphetamine" (2013).

Erin Futrell "Method Development for the Detection of Metals in Food and Sunscreen" (2013).

Gloria Ruiz "The Comparison of Trace DNA Recovery between Swabbing and Tape-lift for DNA Extraction Methods" (2013).

Masters Chemistry
Charoendee Pingsuthwong (1997).

Merry Pritchett (1999).

Minhua Chen “Electrodeposition of Diamond-Like Carbon Films” (2002).

Yajuan Shang “Preparation and Characterization of Praseodymium Oxide Films and Powders” (2004).

Suma Vavilala “Improvement of Homogeneity and Adhesion of Diamond-Like Carbon Films on Copper Substrates” (2004).

Heidi Conrad “Electrochemical Deposition of Zinc-Nickel Alloys in Alkaline Solution for Increased Corrosion Resistance” (2009).

Cathy Molina “Incorporating Electrochemistry and X-ray Diffraction Experiments into an Undergraduate Instrumental Analysis Course” (2012).

Zhouxing (Jenny) Wang “Experimental Determination of L, Ostwald Solubility Solute Descriptor for Illegal Drugs by Gas Chromatography and Analysis by the Abraham Model“ (2012).

Sabrina Akhter “Determination of Molecular Descriptors for Illegal Drugs by GC-FID using Abraham Solvation Model” (2013).

Yannick Mitheo “Determination of Solute Descriptors for Illicit Drugs using Gas Chromatographic Retention Data and Abraham Solvation Model” (2015).

Ryan Daughterty “Electrochemical Deposition of Nickel Nanocomposites in Acidic Solution for Increased Corrosion Resistance “ (2017)

Jennifer England “An Investigation into the Micromechanical and Corrosion Properties of Additively Manufactured Stainless Steel 316L” (2022)

Doctorate Dissertation Chemistry

Qi (Adele) Wang “Anodic Electrochemical Synthesis and Characterization of Cerium Oxide and Cerium Oxide/Montmorillonite Nanocomposites” (2003).

Charoendee Pingsuthiwong “Investigation of the Structure and Properties of Diamond-Like Carbon Films Deposited Electrochemically at Low Temperatures” (2004).

Chen Wang “The Revival of Electrochemistry: Electrochemical Deposition of Metals in Semiconductor Related Research” (2005).

Qiuhua Yuan “Electrochemical Synthesis and Characterization of Inorganic Materials from Aqueous Solutions” (2006).

William Griffith “The Development of an Analytical Microwave Electromagnetic Pulse Transmission Probe and Preliminary Test Results” (2011).

Valerie DeLeon “Investigation of Novel Electrochemical Synthesis of Bioapatites and Use in Elemental Bone Analysis” (2012).

James (Jim) Davis “Development of a Laponite Pluronic Composite for Foaming Applications” (2012).

Heidi Conrad “Electrochemical Deposited Metal Alloy-Silicate Nanocomposite Corrosion Resistant Materials“ (2013).

Jeerapan Tientong “Nickel and Nickel Alloy Coating with Layered Silicates for Enhanced Corrosion Resistance” (2014).

Michael Kahl “Electrochemical Synthesis and Applications of Layered Double Hydroxides and Derivatives” (2015).

Vivian Huynh “Forensic Analysis of Ink on Documents using Direct Analyte-Probed Nanoextraction Coupled Techniques” (2016)

Casey Thurber “Electrodeposited Metal Matrix Composites for Enhanced Corrosion Protection and Mechanical Properties“ (2016)

2016 - Ibrahim Coskun (Using Artificial Intelligence Applications for the Coating and Characterization of Hydroxyapatite onto Metallic Biomaterials). (Scientist, Turkey)

Ting Zhou “Electrodeposition of Molybdenum-Based Coatings from Aqueous Alkaline Solutions for Enhanced Corrosion Resistance” (2018)

Stephen Sanders “Praseodymium Oxide and Organic Modified Cerium Oxide Nanoparticles for Electrodeposition of Nickel-Ceramic Nanocomposites to Enhance Corrosion Protection and Mechanical Properties” (2018).

Waleed Yaseen “Preparing and using Hydrophobic Fluorinated Polymers for Corrosion Protection on Aluminum Substrate” (2019).

Ngo (Kristin) Ngan “Electrochemical Deposition of Metal Organic-Modified-Ceramic Nanoparticles to Improve Corrosion and Mechanical Properties” (2019).

Christopher Ozigagu “Method Development for Corrosion Testing of Carbon Steel and Ni-based Alloy Coatings Exposed to Gas Hydrate Formation Environments” (2019).

Katherine Smart “Investigation of Ionic Liquid Phases for Chromatographic Separation of Fentanyl Analogues” (2022).

Darshan Karunarathne "Sulfur-Based Organic Compounds as Novel Corrosion Inhibitors for Brass and Aluminum Alloy Protection in Acid Cleaning Solutions" (2022).

Thesis Committees

Chemistry, PhD: Hyun-Soon Chong (1999), Li Chen (1999), Jiancheng Wang (2000), Chengyu Niu (2001), Xiaohua Hu (2002), Thomas Ponnuswamy (2002), Faith Yarberry (2002), Jinhong Tong (2003), Tiruchirapalli Arunagiri (2003), Zhibing Chen (2003), Gang Huang (2004), Michelle Garza (2004), Merry Pritchett (2004), Feili Qin (2005), Trace Hurd (2005), Yibin Zhang (2005), Jipu Lei (2005) Xuelin Wang (2005), Praveen Reddy Nalla (2006), Silvia Atim (2006), Mickey Richardson (2007), Ravi Arvapally (2010), Justin Wilks (2010), William Hoffmann (2012), J.D. Fox (2013), Barbara Walton (2014), Timothy Stephens (2014), Robinson James (2015), Arindom Goswami (2015), Andrew Mahler (2015), Kristina Williams (2016), Mandy Bowman (2016), John Beatty (2016), Nick Ross (2016), Bin Dong (2016), Phillip Mach (2016), Jason Hamilton (2017), Opeyemi Olanipekun (2017), Christopher Obondi (2018), Ethan McBride (2018), Ruaa Almotawa (2019) Whitney Weber (2019), Ruaa Almotawa (2019), Yi Hu (2019), Imesha DeSilva (2020), Thomas Kiselak (2020), Camila Virgen (2021), Ramesh Sapkota (Marshall), Adaeze Osonkie (Kelber), Rachel Koerber (Verbeck), Anuradha Liyanage (D'Souza), Precious Chukwunenye (Kelber), Domillermut Alamo (Cundari), Sharmila Neupane (Skellam), Yanpei Song (Ma), Kyle Martin (Ma).

Chemistry, MS: Huanchi Xu (1999), Haiqing Peng (2000), Long Huang (2003), Mingzhe Ji (2003), Oscar Ojeda (2005), Matt Pitner (2005), Sarah Flores (2006), Eric Stratton (2006), Kyle K. Yu (2007), Robert Powoski (2011), Ubisha Joshi (2012), Cathy Molina (2014), Yuan Cao (2015), Luis Garibay (2016), Chinyere Nnaji (2016), Kejun Shao (2017). Christina Wiles (2017), Robert Cantu (2019), Veronica Lee (2020).

Materials Science, PhD: Prakaipetch Punchaipetch (2000), Ajit Ranade (2003), Peter Butzloff (2005), Koffi Dagnon (2010).
Biology, MS: Wendy Pace (2013).
Biology, PhD: Patamaporn Sukplang (2000), Dedric Taylor (Huggett).
UNTHSC, PhD: Lori Gaydosh (2014)

Undergraduate Research Advisor

Chemistry, BS: Paul Nolidin (1999), Amanda Culbertson, Justin Briggle (1999), Dawn Stovall (2001-2002), Andriena Shelton (2002), Jenny Cox (2004-2005 and 2008-2009), Jeremy Adams (2006), Jill Brennan (2006-2007), Kate Dudley (2009), Michael Kahl (2010), Ryan Daughtery (2011), Laura Horn (2011-2012), Matthew Harman (2012), Jennifer Leveille (2012-2013), Jennifer Lawson (2012-2013), Margaret Calhoun (2013-2016) Haley Barnes (2014), Roman Madoerin (2016), Madeline Zumbach (2014-2018), Ashten Yarberry (2015-2018), Alleigh Couch (2017-2018), Allison Jeffreys (2018-), Ian Dadeboe (2018-), Jayden Bright (2018-) Haylee Baca (2019-) Clarissa Rodriguez (2021), Karen Quepons (2022), Tori Abel (2022), Christina Liverett (2022).

Faculty Research Mentor: Texas Academy of Mathematics and Sciences (TAMS)
Adam Horch (2000-2001), Shaun Gammill (2001-2002), Joshua Radicke, Elizabeth Stelter, Tony Toepfer, Katherine McQuade (2002), Justin Yuen (2004-2005), Matthew Peebles (2005-2006), Catherine Huang (2005-2006), David Ouyang (2005-2007), Joshua Yu (2007-2008), Andrew Jancaric (2007-2008), John Corbett (2007-2009), Thanh Nguyen (2009-2010), Loren Wang (2009-2010), Faith Shin (2009-2010), Nav Ravindranath (2009-2010), Carolyn Bu (2009-2011), Varun Sambhariya (2009-2010), Angela Chin (2010-2012), Rick Kao (2010-2011), Nick Wang (2010-2011), Janice Jiang (2011), Vaishnavi Narayanan (2011-2012), Alec Hendricks (2013), Tiffany Jiang (2013-2015), Michael Hashe (2013-2015), Ben Starr (2013-2015), Matthew Law (2015-2016), Victoria Chen (2015-2016), Karen Liu (2016-2017).

Faculty Research Mentor: NSF-REU Students
Jason Benford (2003), Rebbeca Joy (2004), Mareo Jeffries (2008), Stephanie Garcia (2011), Rosalynd Joyce (2012), Joanna Castenada (2013), Shelby Mechlin (2016), Alleigh Couch (2018), Estefania Garcia (2019), Juliana Gonzalez (2022), Catherine Webber (2023),

Faculty Research Mentor: McNair
Dylan Harbour (2012–2014)

Faculty Research Mentor: Upper Bound Math and Science Program
Alicia Geiger, Ramiro Frias, Cynthia Figgins, Brandi Hollifield, Canby Ibarra, Jennifer Rawls, Melissa Balderas, Charles Bloom, and Irene Flores.

Faculty Research Mentor: Mexico Exchange Summer Research Program
Gerardo Mendoza Garza, Susana Gonzolez, Juan Alejandro Menchaca, and Amy Grace Sauage.

Honors and Awards Granted to Research Students

Justin Briggle	Addie Mae Lloyd Curbo Award	1998
Qi Wang	George Vaughan Award	1999
Wentong Li	George Vaughan Award	2000
Justin Briggle	3rd Place ACS M-I-M Research Talk Award	2000
Justin Briggle	ACS Undergraduate Award in Analytical Chemistry	2000
Adam Horch	Finalist in Intel Science Talent Search (9th National)	2001
Adam Horch	Goldwater Scholarship Recipient	2001
Qi Wang	James J. & Ruth I. Spurlock Scholarship Award	2003
Matt Peebles	TAMS Summer Research Scholarship	2005
Catherine Yujia	TAMS Summer Research Scholarship	2005
Catherine Yujia	Honors Day Scholar	2005
David Ouyang	Siemens Semifinalist	2006
David Ouyang	Intel Semifinalist	2007
Joshua Yu	TAMS Summer Research Scholarship	2007
Andrew Jancaric	TAMS Summer Research Scholarship	2008

John Corbett	TAMS Summer Research Scholarship	2008
Loren Wang	TAMS Summer Research Scholarship	2009
Thanh Nguyen	TAMS Summer Research Scholarship	2009
Valerie DeLeon	UNT Tuition Scholarship	2010
Thanh Nguyen	TAMS Summer Research Scholarship	2010
Faith Shin	TAMS Summer Research Scholarship	2010
Carolyn Bu	TAMS Summer Research Scholarship	2010
Varun	TAMS Summer Research Scholarship	2010
Nav Rav	TAMS Summer Research Scholarship	2010
Heidi Conrad	Upper Level TA Award	2010
Carolyn Bu	Intel STS Semifinalist	2010
Vallerie DeLeon	UNT TDF Graduate Award	2011
Angela Chin	TAMS Summer Research Scholarship	2011
Ryan Kao	TAMS Summer Research Scholarship	2011
Nick Wang	TAMS Summer Research Scholarship	2011
Angela Chin	Siemens Semifinalists	2011
Casey Thurber	2nd Annual Toulouse Graduate Expo (2nd place)	2014
Vivian Huynh	2nd Annual Toulouse Graduate Expo (3rd place)	2014
Tiffany Jiang	TAMS Summer Research Scholarship	2014
Michael Hashe	TAMS Summer Research Scholarship	2014
Casey Thurber	SAMPE 2014 Technical Symposium and Materials Expo. (1st place)	2014
Stephen Sanders	Outstanding Freshman TA Award	2014
Ryan Daugherty	Outstanding Upper-Level TA Award	2014
Casey Thurber	Robert Wade Brown Award	2014
Margaret Calhoun	Calderon Scholarship Award	2014
Michael Hashe	Intel STS Semifinalist	2015
Tiffany Jiang	Intel STS Semifinalist	2015
Casey Thurber	NACE DFW Scholarship	2015
Vivian Huynh	NACE DFW Scholarship	2015
Casey Thurber	NACE Outstanding Student Award	2015
Casey Thurber	3rd Annual Toulouse Graduate Expo (1st place)	2015
Vivian Huynh	3rd Annual Toulouse Graduate Expo (3rd place)	2015
Vivian Huynh	3rd year Talk UNT (1st place)	2015
Teresa Allen	3rd year Talk UNT (2nd place)	2016
Madeline Zumbach	Calderon Scholarship Award	2016
Madeline Zumbach	Virgil & Catherine Rogers Scholarship	2016
Ting Zhou	Ed & Julia Hodges Scholarship	2016
Christopher O	NACE DFW Scholarship	2018
Christopher O	NACE International Foundation Award	2018
Katherine Smart	NIJ Graduate Research Fellowship	2019
Katherine Smart	Dr. Kurt Dubowski Research Grant, SWAFS	2019
Jennifer England	3rd Yr PhD Graduate Talks (1st place)	2021
Jennifer England	ACS M-i-M Presentation (3rd place)	2021

Visiting Scientist Hosted

Prof. Adel Mohamed, Qatar University, Qatar	2013-2015
Dr. Yahia Ahmad, Qatar University, Qatar	2013-2015
M. Ibrahim Coskun, Aralık University, Turkey	2014-2015
Min Xu, Heilongjiang Public Security College, China	2015-2016
Dr. Heidi Conrad, Texas Christian University, USA	2017-2021
Prof. İsmail Hakkı Karahan, Mustafa Kemal University, Turkey	2019-2020

SERVICE ACTIVITIES

University

2005-Present
Director, UNT Forensic Science Program (AAFS Accredited Degree Program).

2015-2021
Serve on the UNT Women's Faculty Advisory Committee for Plan D NSF Grant: Advocates and Allies.

Serve as College representative on the Advisory Board for CLEAR (Center for Learning Enhancement, Assessment, and Redesign) (purpose – provide guidance in the formulation 2001-2017.

Serve as College representative for the IRC Learning Enhancement Planning group under the Information Resources Council. (Purpose – evaluates all technology-enhanced instruction at UNT). 2004-2017

Advisor for UNT Forensic Science Club. 2005-2019

Served on UNT's Presidential Early Career Professorship Selection Committee 2017-2019.

2018-2023
Faculty Mentor for Dr. Katsura Aoyama (Department of Speech and Hearing)

Chemistry Department

2021-present
Ad Hoc Committee on Evaluation of Teaching, member

2020-present
Mentoring Committee for Molly Atkinson, member

2019-present
Faculty Mentor for Dr. Williams.

2020-present
Chair, P&T subcommittee for Dr. Atkinson
Faculty Mentor for Dr. Atkinson.

Chair of Instrument Committee. 2003-present

Community

Serve on American Board of Criminalistics panel to review FSAT exam and publish ABC Study guide 2021

Area and Event Representative for Compassion International. 1992-present

Volunteer for Samaritan's Purse International. 1993-present.

Referee for Soccer Associations (youth and adult) FIFA Level 8. 1989-present.

Administrate Soccer Clinics for North Texas Women's Soccer Association. 2000-2015.

2015-present
Joyce Ann Brown Innocence Clinic (JABIC). Work with UNT Law school on the Innocence Project. Do forensic science bootcamp for law students, provide and advise student interns for Innocence Project. Full year commitment.

2016-present
Criminalistics and Forensic Science Institute (CFSI). Provide crime scene and forensic lab instruction and training to law enforcement personnel. Summer session.