Curriculum Vitae

'Remi Oki, Ph.D, Professor and Head,
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To positively impact society through academic enterprise: educating and empowering students,

A. **Degrees and Education**

University of Ibadan (Nig.)	B.S. Chemistry June	1980
University of Ilorin. (Nigeria)	M.S. Chemistry August.	1983
University of Wyoming	Ph.D.,Inorganic Chemistry	1990
Southern Methodist University	Post. Doctoral fellow.	1990-92

B **Employment Record**.

- 2003-Present: Professor and Head, Department of Chemistry, Prairie View A & M University, TX
- 2001-2003 Professor, Long Island University, Chemistry and Biochemistry Department, NY
- 1998-1999 US Fulbright Visiting Professor, University of Lagos, Nigeria
- 1996-2001 Associate Professor, Long Island University, Brooklyn, NY Tenured 1997
- 1995-2002 Program Director, Long Island University's Minority Biomedical Research Support
- 1992-1995 Assistant Professor, Long Island University, Chemistry department, Brooklyn, NY

C. Courses Taught Recently

- Chemistry 1033/1043 General Chemistry 1 and 2
- Chemistry 4051/4061 Chemistry Research
- Chemistry 1053 chemistry for Nursing
- Chemistry 4052/4053 Instrumental Analysis Laboratory and Lecture
- Chemistry 5613 Advanced Inorganic Chemistry

D. Professional Affiliation

- Member of the American Chemical Society
- Member of the American Ceramic Society
- Member of the National Organization of Black Chemist and Chemical Eng.
- Member, American Association of Crime Laboratory Directors.

E. Academic Distinctions Awards and Honor

- 2002-2003 Mayoral Appointee to the Old Bridge Township Environmental Commission, NJ,
- 2002-American Chemical Society Award for Outstanding Service
- 2001-2002 Long Island University's Trustees Award for Lifetime Scholarly Achievement
- 2001-2002 American Association of Cell Biologist Minority Visiting Professor Award
- 1998-1999 U.S.A. Fulbright Senior Scholar Award
- 1995-Present Reviewer for National Science foundation, US Department of Energy, American Chemical Society.
- 1993-Present Reviewer for several scientific publications

F. **Collaborators**

- Center for Environmental Beneficial Catalysis, University of Kansas, Kansas Dr. Busch Chemistry
- Dr. Raul Cuero, CARC- PVAMU on development of Bioglass with anti fungal properties
- Dr. Abraham Clearfield, Chemistry Dept. Texas A&M College station on development of microporous mixed metal oxides

- Dr. Biney, Mech. Engineering Department PVAMU Carbon Nanotubes and Nano Composites
- Dr. Dan Shantz. Chemical Engineering TAMU- College Station-Composite Materials for bone repair
- Dr. Enrique Barrera Head, Material Science RICE University, Houston Texas
- Dr. Baburaj. Clarkson Aerospace Houston, Texas

G. **Current Research Support**

- 2004-2010 (P.I. Oki)Welch Foundation Departmental Grant Total Award Amount: $150,000.00
- 2007-2010 P. Biney (PI), Lin Shield (co-PI) A. Oki (co-PI)Sponsored Contract United TechnologyC/AirForceMaterials Research- Minority Leaders nanocomposite projects (co Leader. Nanaocomposite Processing and Fabrication)Total amount: $325,000.00
- 2006-2010 (PD. Oki)NIGMS. 1 R25 GM078361-01 PVAMU RISE Program
  The major goal of this project is to provide biomedical research training opportunities for undergraduate students at PVAMU who intend to pursue career opportunities in biomedical sciences.
  Total Award Amount: $616,593.00
- 2009-2013 A. Oki (PI) National Institute of Health- 1 SC3 GM086245
  The major goal of the project is to design and fabricate hybrid composite materials made from carbon Nanotube Reinforced Bioglass as synthetic material for bone repair and bone Tissue Engineering
  Total Award Amount $430,000.00

H. **Refereed Publications in the Last Three Years (2006-2009)**

1. L. Adams, A. Oki, T. Grady, H. McWhinney, Z, luo." Preparation and characterization of sulfonic acid-functionalized single-walled carbon nanotubes. Physica E. low dimensional systems and nanostructures (2009) 41(4), 723-728
2. L. Carson, C. Kelly-Brown, M. Stewart, A. Oki , G. Regisford Z. luo and V. Bakhmutov. Synthesis and characterization of chitosan-carbon nanotube composites. Materials letters (2009) 63 (6-7) 617-620
3. Aderemi Oki, Luqman Adams, and Zhiping Luo " Solvothermal Synthesis of Carbon Nanotube-B2O3 Nanocomposite using tri-butyl borate as boron oxide. Inorg. Chem.. Commun. 2008, 11,275-278
4. Aderemi Oki, Luqman Adams, Zhipping Luo, Edigin Osayamen, Paul Biney,
Valery Khabashesku. "Functionalization of single-walled carbon nanotubes with N-[3-(trimethoxysilyl)propyl]ethylenediamine and its cobalt complex," Journal of Physics and Chemistry of solids, 2008, 69, 1194-1198
5. Aderemi Oki, Luqman Adams, Valery Khabashesku, Yamen Edigin, Paul Biney , Zhipping Luo"Dispersion of aminoalkyl-silyl ester or amine alkyl-phosphonic acid Side wall functionalized Carbon Nanotubes in silica using sol-gel processing" Mater. Lett. 2008 62 (6-7), 918-922
6. Aderemi Oki, Matthias Zeller, Yaneth Coranza, Jose Luevano and Allen D. Hunter, "Hydrothermal synthesis and structure of an open framework Co0.7Zn1.3 (PO4)2 (NH3-CH2CH2NH3) and Co6.2(OH)4(PO4)4Zn1.80 a new Adamite type phase " Inorg. Chim. Acta, 360 (2007), 2917-2922
7. Aderemi Oki,* Matthias Zeller, Aurelia Reynolds, X. Qiu and Allen D. Hunter Synthesis and crystal structure of a neutral open framework cobalt(II) phosphate Co6(PO4)4 7H2O with a channel structure. J. Coordination Chemistry, 60, (2007) 995-1004
8. A. Amarasekara, A. R. Oki, I. McNeal U. Uzoezie " One pot synthesis of cobalt-salen catalyst immobilized in silica by sol-gel process and application in selective oxidations of alkanes and alkenes Catalysis communications (2007), 8 (7), 1132-1136
9. A. R. Oki , Q. Xu , B. Shpeizer , X. Qiu, S. Kirumakki, Shane Tichy, A. Clearfield " Synthesis, Characterization and Activity in Cyclohexene Epoxidation of Mesoporous TiO2–SiO2 Mixed Oxides" Catalysis. Communications. 8 (2007) 950-956
10. A. S. Amarasekara, A. R. Oki, I. McNeal, U. Uzoezie " One-pot synthesis of cobalt-salen catalyst immobilized in silica by sol-gel process and applications in selective oxidations of alkanes and alkenes"

Catalysis. Communications. 8 (2007) 1132-1136
11. A.R. Oki,* X Qiu, O. Alawode, and B. Foley Synthesis of Organic-Inorganic hybrid composite and its thermal conversion to Porous Bioactive Glass monolith. Materials. Letters 60 (2006) 2751-2755
12. Windlyne Delouisa, Marcos Sanchez, Boris Shpeizer, Abraham Clearfield and Aderemi Oki " Control of micropore size in supermicroporous titania-chromia-system TiO2-Cr2O3 " Inorg.Chem.Commun. 2006, 9, 1136-1140

F. **Patent and Invention Disclosure**
TAMUS-2316 " Antifungal-Bacterial Bioactive Glass"