

## Brief Resume of Professor Samuel C.O. Ugbolue



### Degrees

Ph.D University of Strathclyde, Glasgow, Scotland, U.K., 1974  
MSc University of Strathclyde, Glasgow, Scotland, U.K., 1971  
CText, ATI College of Technology and Design, Blackburn, England, U.K.  
& The Textile Institute, Manchester, England, U.K. 1968

### Academic Experience

1998 - present Professor, University of Massachusetts, Dartmouth, Department of Materials and Textiles,  
Oct. 1992 –Dec 1997 Professor and Deputy Vice Chancellor (Administration),  
Federal University of Technology, Owerri, Nigeria..  
Oct 1989 –June 1992 Professor and Dean of Postgraduate School,  
Federal University of Technology, Owerri, Nigeria  
Oct. 1988 – Sept. 1989 Association of Commonwealth Universities Fellow and Visiting Professor  
University of Manchester Institute of Science and Technology (UMIST), UK  
May 1985 – Sept. 1988 Professor and Dean School of Sciences  
Federal University of Technology, Owerri, Nigeria.  
Oct. 1983 – Sept..1988 Tenured Full Professor of Polymer Science and Textile Technology &  
Director of Chemical Sciences and Technology Programs, FUT, Owerri, Nigeria  
Sept. 1981 – Sept. 1983 Reader (Associate Professor) & Program Coordinator, Polymer & Fiber Science & Technology  
Federal University of Technology, Owerri, Nigeria.  
Oct 1980 – Sept 1981 Senior Lecturer, & Ag..Head, Department of Textile Science and Technology  
Ahmadu Bello University, Zaria, Nigeria.  
Oct. 1978 – Sept 1980 Senior Lecturer in Polymer Science and Technology,  
Department of Chemistry, Ahmadu Bello University, Zaria, Nigeria.  
Oct. 1976—Sept.1978 Lecturer 1, Department of Chemistry, Ahmadu Bello University, Zaria, Nigeria.

### Industrial Experience

1974 – 1976 Textile Research Chemist, Burlington Industries Inc.  
Klopman Mills (Dyeing and Finishing Division), Altavista, Virginia, USA.  
June – Sept.1970 Project Leader, Courtaulds Ltd. Westcroft Mills , Bradford 7, England, U.K.  
July 1968 - Sept. 1969 Industrial Engineer, Courtaulds Ltd, Westcroft Mills , Bradford 7, England, U.K.

### Awards and Honors

Fellow of the Textile Institute, Manchester, UK, 1981  
Foundation Fellow of the Polymer Institute of Nigeria, 1990  
Chairman, The Textile Institute Eastern Zone of Nigeria, 1990-1997  
Chairman, Professional Council, Polymer Institute of Nigeria, 1990-1997

### Professional Activities

Have been involved in many sponsored research grants from the US National Textile Center, STEP & Advanced Technology Manufacturing Center, UMassD; US Department of Education.  
Member, American Chemical Society, Polymeric Materials Division; Senior Member, American Institute of Chemical Engineers, AIChE; Member, American Society for Engineering Education, ASEE; Member, Materials Research Society, USA; Chartered Member and Associate of the Textile Institute, Manchester, UK; Senior Member, American Association of Textile Chemists & Colorists (AATCC).  
Reviewer: (i) Nigerian Journal of Science and Technology, (ii) Indian Journal of Fiber and Textile Research, (iii) Journal of The Textile Institute, UK, (iv) Journal of Applied Polymer Science, USA, (v) Polymer, UK, (vi) Textile Research Journal, USA., (vii). Advances in Polymer Technology, USA (viii) International Journal of Polymer Science, USA.  
Consultant to many US polymer and textile manufacturers;  
Chairman, First Baptist Church of New Bedford, MA, Preservation of the Historic Building Committee  
Formerly Chairman, Standards Organization of Nigeria Technical Committee on Textiles  
Formerly President, Aniocha Development Union, Owerri, Imo State Nigeria  
Formerly President, Kiwanis Club of Owerri, Imo State, Nigeria.  
Formerly , Member of Governing Councils, Federal University of Technology Owerri, and Federal College of Education (Technical) Asaba, Nigeria.

### Professional Interests

**Teaching:** Polymer Chemistry, Polymer and Fiber Science, Materials Processing and Properties, Yarn and Fabric Manufacture, Mechanics of Fibrous Structures, Environmental Chemistry & Business.

**Research:** Nanofibers, electrospinning, dyeable polyolefins via nanotechnology, auxetic textile structures and composites, barrier fabrics, industrial and medical polymeric materials, Process-Structure- Property relationships.

### Publications:

Author of more than 120 refereed research papers including four books, several book chapters, conference proceedings and international presentations and US & World Patents on Method of enhancing dyeability of polymers; and auxetics.