

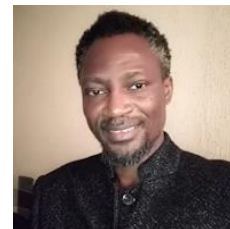
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## PERSONAL INFORMATION

**Date of Birth:** 28th February, 1972  
**Place of Birth:** Ukpodo Ifeku-Island  
**Local Government Area:** Esan South-East  
**State of Origin:** Edo  
**Nationality:** Nigerian  
**Marital status:** Married  
**Present Employment & Status:** Senior Lecturer

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## EDUCATION

Cochin University of Science and Technology, Kerala, India.  
*Ph.D Polymer Science and Rubber Technology* - 2019

Federal University of Technology, Akure, Nigeria  
*M.Tech. Industrial Chemistry (Polymer Group)* - 2012

Auchi Polytechnic, Auchi, Edo State, Nigeria  
*HND, Polymer Technology* - 1998

Auchi Polytechnic, Auchi, Edo State, Nigeria  
*ND, Polymer Technology* - 1995

Illushi Secondary School, Illushi, Edo State, Nigeria  
*West Africa Senior Sch. Cert. Exam. (W.A.S.S.C.E)* - 1990  
- 1994 & 2005

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## EXPERIENCE

### Polytechnic:

#### Senior Lecturer

Dept. of Polymer/Textile Technology, Yaba College of Technology Yaba, Lagos. - 2019 – Till Date

#### Lecturer I

Dept. of Polymer/Textile Technology, Yaba College of Technology Yaba, Lagos. - 2013

#### Principal Technologist I

Dept. of Polymer/Textile Technology, Yaba College of Technology Yaba, Lagos. - 2011

#### Senior Technologist

Dept. of Polymer/Textile Technology, Yaba College of Technology Yaba, Lagos. - 2008

#### Technologist I

Dept. of Polymer/Textile Technology, Yaba College of Technology Yaba, Lagos. - 2005

#### Technologist II

Dept. of Polymer/Textile Technology, Yaba College of Technology Yaba, Lagos. - 2001

**Responsibilities: (Courses Taught)**

**At ND/HND levels**

Fibre Tech I, Fibre Tech II, Fibre Tech III, Fibre Chemistry I, Fibre Chemistry II, Plant Services and Maintenance, Introduction to Polymer Science, Rubber Technology, Plastics Processing, Polymer Waste Management, Polymer Processing Methods, Polymer Processing Machinery, Rubber Formulation and Compounding I&II, Polymer Analysis and Quality Control, Commercial Polymers, Products Manufacture, Paints and Adhesives Technology, Foam Technology, Polymer Chemistry, Seminar and Project

**At Certificate Level**

Paints Chemistry I, Surface Coatings, Basic Paints Technology, Paint Manufacture, Colour Technology I, Paints Chemistry II, Colour Technology II, Introduction To Paints Equipment And Machine, Paint Application & Quality Control, Paint Formulation & Manufacture

**OTHERS:**

**Quality Controller-in-Charge**

Poly Products Nig. PLC, Ilupeju, Lagos. - 2000

**Responsibilities:**

- Liaise with customers on job specification.
- Product development.
- Total quality control during production process-ensuring that all specified parameters are met.
- Production decision- making/planning.
- Material recommendation for specific jobs.
- Coordinating and supervising production procedure/process and materials handling process.
- Client services on quality matters-within and outside the company.
- Taking stock of raw materials and finished product at time intervals.
- Create safety awareness in the factory environment
- Carrying out other duties management deemed fit for me to handle.

**Quality Control Officer**

Poly Products Nig. PLC, Ilupeju, Lagos. (*National Youth Service Programme*) - 1999

**Quality Control Officer**

Ben Plastics Ltd, Iganmu, Lagos. (*Industrial Training Programme*) - 1996

**PROFESSIONAL MEMBERSHIP**

International Journal for Research under Literal Access (IJRULA) - 2018

National Association of Textile Scientist and Technologists - 2011

Materials Society of Nigeria (MSN) - 2002

Polymer Institute of Nigeria (PIN) - 1997

**PUBLICATIONS**

**Thesis / Dissertations:**

- Studies on Ionomer-Polyaniline and Ionomer-Polyaniline-MWCNT Composites for Electrical and Electromagnetic Interference Shielding Applications –  
*Doctor of Philosophy (PhD) Thesis* - 2019
- Production and Evaluation of High Performance Insecticidal-Based Coatings (Water-Borne Paint)  
*Master of Technology (MTech) Thesis* - 2012
- Production and Evaluation of Water Borne Coatings (White Emulsion Paint)  
*Postgraduate Diploma (PGD) Thesis* - 2004
- Design and Fabrication of Mould for Injection Moulding Process”  
*Higher National Diploma (HND) Thesis* - 1998
- An Investigation on the Effect of Blends on the Physical Properties of Natural and Synthetic Rubbers.”  
*National Diploma (ND) Thesis* - 1996

### Books/Book Chapters Contributions

- Sarah B. Ulaeto, Jerin K. Pancreciuous, **Ajekwene Kingsley Kema**, Gincy Marina Mathew & T. P. D. Rajan. Advanced Nanocoatings for Anticorrosion. In Corrosion Protection at the Nanoscale, Advanced Nanomaterials Series (Elsevier): Micro & Nano Technology Books, edited by Susai Rajendran, Tuan Anh Nguyen, Saeid Kakooei, Mahdi Yeganeh, Yongxin Li; Elsevier (2020) (In press), ISBN 978-0-12-819359-4.
- **Kingsley Kema Ajekwene** (May 6th 2020). Properties and Applications of Acrylates, In Acrylate Polymers for Advanced Applications Edited by Ángel Serrano-Aroca and Sanjukta Deb, IntechOpen, DOI: 10.5772/intechopen.89867. Available from: <https://www.intechopen.com/books/acrylate-polymers-for-advanced-applications/properties-and-applications-of-acrylates>. ISBN: 978-1-78985-184-7.

### Journal Articles

1. **Kingsley Kema Ajekwene**, Jelmy E Johny and Thomas Kurian (2018), Sodium Salt of Polyethylene-Co-Methacrylic Acid Ionomer/Polyaniline Binary Blends for EMI Shielding Applications. *Progress in Electromagnetics Research C (PIER C)*, Vol. 88, 207–218.
2. **Kingsley Kema Ajekwene** and Thomas Kurian (2018) Bulk and nano-structured polyaniline: synthesis, characterization, thermal behaviour and dc conductivity. *International Journal of Research in Advent Technology*, Volume 6, Issue 9, 2385-2391.
3. **Kingsley Kema Ajekwene**, Jelmy E Johny and Thomas Kurian (2018), Preparation, Characterization, Thermal Behaviour and DC Conductivity of Nanopolyaniline and Polyaniline-Multi Walled Carbon Nanotube Nanocomposites. *Journal of Emerging Technologies and Innovative Research*, Volume 5, Issue 9, 374-386.
4. **Ajekwene K. K.**, Jelmy E J, and Thomas Kurian (2018), Preparation, characterization, thermal behaviour and dc conductivity of nano-structured polyaniline doped with HCl or TSA: A comparative analysis. *Journal of*

*Emerging Technologies and Innovative Research, Volume 5, Issue 9, 294-299.*

5. **Kingsley Kema Ajekwene**, Honey John and Thomas Kurian (2017), Progress in Preparation, Processing and Applications of Conducting Polymer-Ionomer Blends. *International Journal of Research and Scientific Innovation (IJRSI) | Volume IV, Issue IX, September 2017 | ISSN 2321-2705.*
6. Igwe N. Chris, Oladiran Olushina F., Akinsanya Nurudeen A. and **Ajekwene Kingsley K** (2017), Processing Parameters of TPUs: A review of Viscoelasticity and Thermal Stability of Melts. *Yabatech Journal of Technology, Yaba, Lagos, Nigeria, ISSN: 0331-0025-1 Volume 4, number 1 PP 81-92.*
7. Adeakin O.A.S, Popoola V.A and **Ajekwene K.K.** (2017), Polymer - Solvent Relation: Swelling and Fibre Morphology. *IOSR Journal of Polymer and Textile Engineering (IOSR-JPTE) e-ISSN: 2348-019X, p-ISSN: 2348-0181, Volume 4, Issue 2, PP 27-28.*
8. Adeakin O.A.S, Popoola V.A and **Ajekwene K.K.** (2017), Effect of Solvent Pretreatment of Polyester at Varying Temperature and Time on the Glass Transition Temperature. *International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181, Vol. 6 Issue 04.*
9. Adetuyi A.O., **Ajekwene K.K.** and Jabar J.M. (2012), Production and Performance Evaluation of Insecticide-Based Coating. *J. Chem. Soc. Nigeria, Vol. 37, No.2, pp 20-26.*
10. Ilaboya R.I., Adeakin O.A.S., **Ajekwene K.K.**, Omofuma F.E. and Asekhome F.F. (2010), Effects of Changes in Formulation Parameters on the Physical and Chemical Properties of Natural Rubber Based Adhesive. *Journal of Science, Engineering and Technology (JSET) Volume 17 number 3.*
11. Ilaboya R.I., **Ajekwene K.K.**, Adeakin O.A.S and Biotidara O.F., Ichetaonye D.N. and Imafidon L.O. (2008), Studies on Effect of Heat and Peracid on the Properties of Epoxidized Natural Rubber. *Journal of School of Technology, Yabatech, Yaba, Lagos, Nigeria. Volume 2, number 1*
12. Ilaboya R.I., **Ajekwene K.K.**, Adeakin O.A.S and Biotidara O.F., Ichetaonye D.N. and Imafidon L.O. (2008), Reaction of Natural Rubber (Latex) with Performic Acid, *Journal of School of Technology. Yabatech, Yaba, Lagos, Nigeria. Volume 2, number*

#### **Conference(s) Attended with Dates and / or Papers Presented**

1. Oboh J.O., Okele I.A., Magaji Y. I., Malika D.O., Marut A. J. and **Ajekwene K.K.** (2019), Physio-Mechanical Properties of HDPE/Particulate Bamboo and Glass fibres Hybrid Composites. *30<sup>th</sup> Annual Technical Conference/General Meeting of the Polymer Institute of Nigeria,, 23<sup>rd</sup> - 26<sup>th</sup>, October, 2019, University of Ibadan, Oyo State, Nigeria.*
2. Oboh J.O., Momoh F.P., Ahmed M. and **Ajekwene K.K.** (2019), Hydrothermal Evaluation of Vulcanized Rubber Reinforced with Particulate Glass Fibre. *30<sup>th</sup> Annual Technical Conference/General Meeting of the Polymer Institute of Nigeria,, 23<sup>rd</sup> - 26<sup>th</sup>, October, 2019, University of Ibadan, Oyo State, Nigeria.*

3. Aigbokhan E.E. and **Ajekwene K.K.** (2019), E-Waste: Sources, Proliferation, Effects & Management Strategies in Developing Economies. *30<sup>th</sup> Annual Technical Conference/General Meeting of the Polymer Institute of Nigeria,, 23<sup>rd</sup> - 26<sup>th</sup>, October, 2019, University of Ibadan, Oyo State, Nigeria.*
4. A. O. Abiodun, F.P. Momoh, L.C. Igbonazobi and **K.K Ajekwene** (2019), Assessment of Mechanical Properties of Natural Rubber Filled with Coconut Fibre as Filler. *30<sup>th</sup> Annual Technical Conference/General Meeting of the Polymer Institute of Nigeria,, 23<sup>rd</sup> - 26<sup>th</sup>, October, 2019, University of Ibadan, Oyo State, Nigeria.*
5. **Ajekwene K. K.**, Jelmy E J, and Thomas Kurian (2018), Preparation, characterization, thermal behaviour and dc conductivity of nano-structured polyaniline doped with HCl or TSA: A comparative analysis. *2nd International Conference on Research Trends in Engineering, Applied Science and Management (ICRTE SM-2018), Osmania University Centre for International Programmes, Osmania University Campus, Hyderabad, Telangana State, India. 23rd September 2018, ISBN: 978-93-87433-40-3.*
6. **Ajekwene Kingsley Kema**, Thomas Kurian and Honey John (2018), Electromagnetic interference shielding effectiveness of blends of polyaniline – zinc salt of poly(ethylene-co-methacrylic acid). *National Conference of Current Trends in Polymer Science (CTPS) - 2018, Cochin University of Science and Technology, Kochi, India.*
7. Igwe N.Chris, Ogunyemi Olimide and **Ajekwene Kingsley K.** (2017), Rheological Measurements and Processability of Thermoplastic Polyurethane Polymer. *The Conference of the Nigerian Society of Engineers, Abuja, Nigeria. Abuja 2017 Technical Proceedings.*
8. Igwe N. Chris, Oladiran Olushina F., Akinsanya Nurudeen A. and **Ajekwene Kingsley K** (2017), A review of Thermal Stability, Time Dependence and Viscoelasticity of Melts. *The Conference of the Nigerian Society of Engineers, Abuja, Nigeria. Abuja 2017 Technical Proceedings.*
9. **Ajekwene Kingsley Kema**, Thomas Kurian and Honey John (2017), Effect of synthesis conditions on the particle size, morphology and electrical conductivity of polyaniline. *Innovations in nanoworld: neoteric visions and emerging nanotechnologies (INNVENT) - 2017, IUCND, Cochin University of Science and Technology, Kochi, India; December 2017.*
10. **Kingsley Kema Ajekwene**, Thomas Kurian and Honey John (2017), Effect of particle size on the dielectric properties of polyaniline doped with HCl. *International Symposium on New Trends in Applied Chemistry (NTAC -2017) Sacred Heart College (Autonomous), Thevara, Kochi, India.*
11. Oboh, J.O., Okafor, D.O., **Ajekwene, K.K.**, Ikhouria, O. and Eli musa (2015), Mechanical and Morphological Investigation of HDPE-Sugarcane Bagasse Composite. *26<sup>th</sup> Annual Technical Conference/General Meeting of the Polymer Institute of Nigeria,, 28<sup>th</sup> – 31<sup>st</sup>, October, 2015, Owerri Imo State.*
12. Adeakin O.A.S., Popoola V.A. and **Ajekwene K.K.** (2014), Effects of Solvent Pretreatment of Polyester Fibre on the Dye Uptake Based on the Concept of Solubility Parameter. *Materials Society of Nigeria Annual Technical Congress, Yabatech, Lagos, Nigeria.*

13. Momoh F.P., Igbonazobi L.C., Imasuen A.O., **Ajekwene K.K.**, Obaitan E.B. and Ovbiagele U. (2014), Evaluation of Compressive Stiffness of Bond Rubber Blocks in Bearings. *Polymer Institute of Nigeria Annual Technical Conference, Lagos, Nigeria.*
14. Igwe N.C. and **Ajekwene K.K.** (2010), Corrosion Behavior of Cars in Lagos Metropolitan Environment. *The International Conference of the Nigerian Society of Engineers, Abuja, Nigeria.*
15. Iriogbe C.O., **Ajekwene K.K.**, Adeakin O.A.S and Biotidara O.F. (2008), Multifunction Additives and Processing of Natural Rubber. *School of Technology, Annual Conference, at Yabatech, Yaba, Lagos.*
16. Ilaboya I.R., Ekhogbon B. J., Adeakin O.A.S and **Ajekwene K.K.** (2007), The Role of Carbonization and Activation on the Adsorption Efficiency of Adsorbents - A Case Study of the Adsorption of Pb<sup>2+</sup> from Pb (NO<sub>3</sub>)<sub>2</sub> Solution Using Palm Nut Chaff (PNC) as Adsorbent. *Materials Society of Nigeria Annual Technical Congress, Oau,Ile-Ife, Nigeria.*
17. Ilaboya I.R., Adeakin O.A.S and **Ajekwene K.K.** (2007), Effects of Formulation Parameters on the Physical and Qualitative Properties of Natural Rubber Based Adhesive. *Materials Society of Nigeria Annual Technical Congress, OAU, Ile-Ife, Nigeria.*
18. Ilaboya I.R. and **Ajekwene K.K.** (2006), Studies On Effect of Heat And Peracid on the Properties of Epoxidized Natural Rubber. *Polymer Institute of Nigeria Annual Technical Conference, Port Harcourt.*

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### **ACADEMIC AWARDS/HONORS**

- RULA Awards for International Innovations and Betterment Excellence in Technical Research  
*Innovative Scientist in Nanocomposites* - 2018

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### **EXTRA CURRICULAR ACTIVITIES**

- Chairman, Departmental Seminar/Project Committee 2020 - Till Date
- Staff Advisor, School of Technology Students Association (NAPTES) 2020 - Till Date
- Member, School of Technology Exams Committee 2019 - Till Date
- Class Advisor 2019 - Till Date
- Member, School of Technology Students Advisory Committee 2015 - 2018
- Member, Yaba College of Technology SUG Electoral committee 2011 - 2015
- Member, School of Technology Environmental Sanitation Committee 2008 - 2015
- Member, School of Technology Exams Committee 2005 - 2011
- Secretary, Department of Polymer/Textile Technology 2003 - 2009
- Class Advisor 2002 - 2015
- Member, Departmental Revenue Generation Committee 2001 - 2015
- Coordinator, Certificate in Paints and Coatings Technology 2001 - Till Date

**Area of Interest**

Research, Problem Analysis, Adventure, Management, Sports, Reading and Writing.

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**REFEREES**

**Prof. Dr. Thomas Kurian**

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and Rubber Technology,  
Cochin University of Science  
and Technology,  
Kochi - 682022, Kerala, India  
Tel.: +91- 9847872209  
Email: drtkurian@gmail.com

**Prof. A. O. Adetuyi**

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School of Science,  
Federal University of  
Technology,  
Akure, Ondo State.  
Tel.: +2348033801359  
Email:  
yomiadetyi2002@yahoo.com

**Dr. P.N. Okolie**

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Technology,  
School of Technology,  
Yaba College of Technology,  
Yaba, Lagos.  
Tel: +2348138551537  
Email: penokol@gmail.com