(MRS.) EROMOSELE Bamkole Catherine Oluyemisi

Degree:	B.Sc., M.Sc., Ph. D., FICCON
Email:	
Telephone:	
Fax:	234-39-243045
Department:	Chemistry
Academic Rank:	Professor
Current position:	H.O.D. Chemistry

Research Interest:

* Local raw materials sourcing of stabilizers for PVC
* Extraction, Characterization of industrially useful value-added products from seed oils of relatively unknown wild plants.
* Characterization, properties of graft copolymer of cellulosic materials and starch (poly saccharides) and natural rubber.

DETAILED RESUME

ACADEMIC DEGREES WITH DATE

Ph.D Chemistry (Polymer)	-	1998
M.Sc Polymer and Fibre Science (UMIST)	-	1982
B.Sc. (Hons) Industrial Chemistry	-	1978

INSTITUTIONS ATTENDED WITH DATE

University of Benin, Benin-City	1994-1998
University of Manchester, Inst. Of Science and Technology	
Manchester, U.K.	1979-1981
University of Benin, Benin-City	1975-1978
Methodist Girl's High School, Yaba, Lagos	1973-1975
Our Lady of Apostles Secondary School, Yaba, Lagos	1969-1973

MEMBERSHIP OF PROFESSIONAL BODIES

1	Member, Plastic and Rubber Institute (MPRI) London	
	(Now Institute of Material Science)	1986
2.	Member, Third World Organization for Women in Science	
	(TWOWS) Italy	1996
3.	Member, Chemical Society of Nigeria	2006
4.	Fellow, Institute of Chartered Chemists, Nigeria	2007

PRIZES, HONOURS, NATIONAL AND INTERNATIONAL RECOGNITIONS.

COURSES TAUGHT

1. Chemical Reaction Kinetics
2. Organic Chemistry
3. Organic synthesis & reaction mechanisms
4. Natural Product Chemistry
5. Photochemistry and Pericyclic reaction
6. Industrial Chemical processes
7. Applied Spectroscopy
8. Colour Chemistry and technology
9. Polymer Chemistry
10. Petrochemistry.

COURSES TAUGHT AT POST-GRADUATE LEVEL (FUTY / UNAAB)

1. Industrial Chemical Processes
2. Polymer Chemistry
3. Homogeneous catalysis
4. Industrial Chemical Laboratory

- **PG PROJECT SUPERVISED**

About 46 from 1988 – till date specifically 18 supervised since 2002 in UNAAB

RESEARCH CONDUCTED

PUBLICATIONS

A DISSERTATION AND THESIS

1. C.O. Bamkole (1978) Investigation of the Hexane soluble fraction of

   Azadirachta Indica B.Sc. Dissertation, University of Benin.

2. C.O. Bamkole (1982) Anisotropy of the Dynamic Mechanical Modulus of drawn nylon 6 films. M.Sc. Dissertation, UMIST Manchester, U.K.

3. C.O. Eromosele (1998) Thermal Stabilisation of Poly (Vinyl Chloride) by *Khaya*

Senegalensis oil Ph.D Thesis, University of Benin.

B. ARTICLES IN LEARNED JOURNALS

1. **C.O. Eromosele** (1991) "ANISOTROPY of the dynamic mechanical modulus of drawn nylon 6 films" Nigeria Journal of Science 25 271- 279.
2. I.C. Eromosele, **C.O. Eromosele** and D.M. Kuzhkuzaa (1991). Evaluation of mineral elements and ascorbic acid content in fruits of some wild plants. Plant Foods Hum. Nutrn. 41 151-154. http://www.springer.com/food+science/journal/11130
3. **C.O. Eromosele** and B. Awadje (1993). Evaluation of Levels of Organochlorine pesticide residues in selected Nigerian edible fats and oils. Techn. & Dev. J (3) 27-30.
4. I.C. Eromosele and **C.O. Eromosele** (1993). Studies on the chemical composition and physio-chemical properties of seeds of some wild plants. Plant Foods Hum. Nutrn. 43, 251-258. http://www.springer.com/food+science/journal/11130
5. I.C. Eromosele, **C.O. Eromosele**, A.O. Akintoye and T.O. Komolafe, (1994). Characterization of oils and chemical analysis of seeds of wild plants. Plant Foods Hum. Nutri. 46, 361-365. http://www.springer.com/food+science/journal/11130
6. **C.O. Eromosele**, I.C. Eromosele, S.L.M. Muktar, and S.A. Birdling (1995). Metal levels in fish from the Upper Benue River, Lake Geriyo and Njuwa of the North Eastern Nigeria Bull. Environ. Contam. Toxicol 54 (1) 8-14.
7. I.C. Eromosele **C.O. Eromosele**, J. Orisakiya and S. Okufi (1996). Binding of Copper and Chromium ions by shea butter (*Butyrospermum Parkii*) seed husks. Bioresource Technnol J. 58 (1) 25-29. http://www.sciencedirect.com/science/journal/09608524
8. I.C. Eromosele, **C.O. Eromosele**, P. Innazo and P. Njerim (1998). Studies on some seed and seed oils. Bioresource Tehnol J. 64 (3) 245-247. http://www.sciencedirect.com/science/journal/09608524
9. F.E. Okieimen, and **C.O. Eromosele**, (1998). Utilization of Khaya seed oil in thermal stabilization of PVC. Nig. J. Appl. Sci. 16, 30-40.
10. F. E. Okiemen and **C.O. Eromosele** (1999) Thermal Stabilisation of PVC with metal soaps of Khaya seed oil. Angew. Makromol. Chemie; 269: 8-15.
11. **C.O. Eromosele**, and F.B. Okiemen, (1999). Fatty acid composition of the seed oil of *Khaya. Senegalensis* Bioresource Technol. J. 69 (3) 297-298 .http://www.sciencedirect.com/science/journal/09608524
12. F.E. Okiemen, and **C.O. Eromosele**, (2000). Stabilising effect of derivatives of *Khaya* seed oil on the thermal degradation of PVC. Eur. Polym. 36 525-537.

13. F.E. Okieimen, and **C.O. Eromosele**, (2000). Thermal Stabilization of PVC with *Khaya* seed oil Thermogravimetric studies. J. Appl. Polym. Sci. 77, 1432-1438. http://www3.interscience.wiley.com/journal/30035/home

14. I.C. Eromosele, **C.O. Eromosele**, and H.K. Zanna (2002) Graft copolymerization of acrylic acid on methyl cellulose by ceric ion-p-xylene redox pair. J. Appl. Polym. Sci. 84, 500-584. http://www3.interscience.wiley.com/journal/30035/home

15. **C.O. Eromosele**, and I.C. Eromosele, (2002). Fatty-acid composition of seed oils of *Haematostaphis barteri* and *Ximenia Americana* Bioresource Technol. J. 82. 303-304. http://www.sciencedirect.com/science/journal/09608524

16. **C.O. Eromosele**, and N.H. Paschal (2003). Characterisation and Viscosity parameters of seed oils from wild plants. Bioresource Technol. J. 86, 203-205. http://www.sciencedirect.com/science/journal/09608524

17. **C.O. Eromosele** and S.P. Nwokata (2003) Graft Copolymerisation of acrylic acid onto methylcellulose J. Appl. Polym Sci. 91 (1) 278-281.http://www3.interscience.wiley.com/journal/30035/home

18. **C.O. Eromosele**, O.O. Omoniyi and O.R. Awolesi (2004). Some aspects of grafting of acrylic acid unto cellulosic (2004). Some aspects of grafting of acrylic acid unto cellulosic pulp by potassium permanganate in the presence of toluene derivatives. Nig. J. Polym. Sci. & Technol. 4 (1), 283-289.

19. Sogbaike, C.E, Okieimen, F.E and **Eromosele, O.C.** (2005) Thermoxidative degradation of PVC in the presence of derivatives of Khaya seed oil. Polym. Degrad. Stab., 88 (2): 175–181. http://www.elsevier.com/wps/find/journaldescription.cws_home/405941/description#description

20. **C.O. Eromosele**, M. Oloye and I.C. Eromosele, (2006). Graft copolymerization of methacrylonitrile on Caesarweed fibre by ceric ion – isopropanol redox pair. J. Appl. Polym. Sci. 101(1), 353-358. http://www3.interscience.wiley.com/journal/30035/home

21. **C.O. Eromosele,** L.A. Arogundade, I.C. Eromosele and O. Ademuyiwa (2007). Extractability of African yam bean (Sphenostylis sternocarpa) protein in acid salt and alkaline Aqueous media. Food Hydrocolloids (In press) www.elsevier.com/locate/foodhyd

22. I.C. Eromosele, **C.O. Eromosele** and D.O. Funmilayo. (2008) Grafting of acylonitrile onto allylated caesarweed fibres by potassium permanganate-N, N'-Dimethylacetamide redox pair. J. Appl. Polym. Sci. 110(5), 2671-2675. http://www3.interscience.wiley.com/journal/30035/home

23. **C.O. Eromosele**, Q.O. Afolabi and I.C. Eromosele(2008). Graft copolymerization of acrylonitrile onto allylated caesarweed fibres by ceric ion in the presence of 2-

mercaptoethanol. J. Appl. Polym. Sci. 110(5), 2796-2801. http://www3.interscience.wiley.com/journal/30035/home

24. I.C. Eromosele, **C.O. Eromosele**, K.S. Ayinde and O. Adegoke(2008). Graft copolymerization of acrylic acid onto cocoyam starch by ceric ion in the presence of N, N'-Dimetylacetamide. J.Appl. Polym. Sci. 110(5), 2676-2680.

http://www3.interscience.wiley.com/journal/30035/home

C. PAPERS IN REFERRED CONFERENCE PROCEEDINGS

1. **C.O. Eromosele**, I.U. Agbo and I.C. Eromosele (1989). Phytochemical studies and therapeutic status of some species of Acalypha proceedings of the conference on 3rd World Strategies for Technological Development, 20-26th August 1989, Yola pp. 579-582.

2. F.E. Okieimen, **C.O. Eromosele**, (1999). Studies in thermal degradation of PVC effect of metal soaps of Khaya seed oil on the stabilization of PVC presented at the chemical society conference held in Jos 1999.

3. Sogbaike, C.E., Okieimen, F.E. and **Eromosele, C.O**. (2004) Stabilising effects of epoxidised khaya seed oil on the thermal degradation of PVC. Proceedings of 27th International Conference of the Chemical Society of Nigeria pp. 149-154.