CURRICULUM VITAE

PROFESSOR RAPHAEL DELE OLARINOYE

LANDMARK UNIVERSITY, OMU-ARAN

KWARA STATE

CURRICULUM VITAE

NAME IN FULL:	-	PROF.	OLARINOYE	RAPHAEL	DELE
		Title	*Surname:*	*First*	*Middle*

DATE & PLACE OF BIRTH	-	June 1, 1944, Omupo in Kwara State of Nigeria
NATIONALITY:	-	Nigerian
STATE OF ORIGIN:	-	Kwara State (Ifelodun L. G. A.)
SEX:	-	Male
PRESENT ADDRESS:	-	UniMkar, Mkar, PMB 017 Gboko, Benue State, Nigeria
PERMANENT HOME ADDRESS:		**C**/o St Michaels (Ang.) Church, Omupo, P.O. Box 616, Offa, Kwara State
E-MAIL:	-	olarinoye@yahoo.com
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WEBSITE:	-	www.professorolarinoye.wordpress.com
PHONE NUMBER(S)	-	08034645313, 08057035371 & 08023775392
PARENTS:	-	Emmauel Amoo Olarinoye (Father) - Late Felicia Akanke Olarinoye (Mother) - Late
MARITAL STATUS:	-	Married - 1 wife, 9 children (Tayo: 49, Funke: 45, Bunmi: 43, Tope: 41, Gbenga: 39, Tosin: 34, Ayo: 12, Victor: 9, Precious: 6)

I. EDUCATIONAL RECORD

1. St. Michael's Primary School, Omupo - First School Leaving Certificate (1950 - 1957)
2. Provincial Secondary School (Now Government Secondary School) Ilorin - WASC (1958 - 1962)

3. Federal Emergency School of Science Lagos - GCE A/L (Jan. 1963 - Dec. 1964)

4. A. B. U. Zaria, B. Sc. (Hons) Physics (1965 - 1968), PGDE (1974)

5. Advanced Study in Electronics and Telecommunication, A. B. U. Zaria (1968 - 1969)

6. University of Northern Colorado, Greeley, Colorado, USA: M.A. - 1976 (GPA 4.00), Ed. D. - 1978 (GPA 3.84) (Highest GPA is 4.00)

7. Professor Iya Abubakar Community Resource Centre, Bauchi: Microsoft Office Specialist Certificate, 2007

II. ACADEMIC DISTINCTIONS AND OTHER HONOURS

1. Best Student in Mathematics, Physics and History in Junior Section of Provincial Secondary School, Ilorin, 1960.
2. Promoted from Class 4 to 6 in Secondary School.
3. Imperial Chemical Industry Prize for the best graduating student in B. Sc (Hons) Physics, 1968.
4, Northern Nigerian Government Scholar, 1965-1968
5. Ahmadu Bello University(ABU) Scholar, August 1968 - August, 1969.
6. Completed both Master and Doctorate Degrees with honours.
7. Who is Who in Kwara State in Nigeria, 1991.
8. Fellow of Curriculum Organization of Nigeria (FCON), 2001. A Life member, a Patron and a member of Board of Trustee.
9. Fellow of STAN (FSTAN) in 1992. Also a Life member.
10. Fellow of the Institute of Administrative Management of Nigeria (FIAMN) (1998)
11. Fellow of Nigerian Academy of Education (FNAE), 2009
12. Fellow of the Institute of Corporate Administration (FCAI) 2010
13. Certified and distinguished administrator (CDA) by the Institute of Administrative Management of Nigeria, 1998.
14 Who is Who in Nigeria.
15. Who is Who in Science and Technology Education in Africa.

16. Chartered Physicist (C. Phys), U. K.
17. Award of Chieftaincy title: Otun Basorun of Omupo land

III CAREER PROGRESSION

1. Physics and Mathematics Teacher in Secondary Schools (1964, 1965, 1968, 1969-1971)
2. Tutor II, Advanced Teachers College (now Federal College of Education, Kano), 1971 - 1975.
3. Tutor I, Advanced Teachers College, Kano (1975 - 1978).
4. Re-designated Lecture I of Ahmadu Bello University, Zaria (1977).
5. Senior Lecturer of Ahmadu Bellow University, Zaria (1978 - 1984).
6. Principal, Advanced Teachers College, Kano (1979 - 1982).
7. Principal Lecturer (1981 - 1984)
8. Transferred to Abubakar Tafawa Balewa College, Bauchi (1984)
9. Reader or Associate Professor of Ahmadu Bello University, Zaria (1984 - 1990)
10. Professor of Science Education of Abubakar Tafawa Balewa University, Bauchi (1990 to date)

IV WORKING EXPERIENCE

1. Physics, Mathematics Teacher at Secondary School, NCE and University level (1964 - 1984)
2. Education and Science Education teacher at NCE and University level (1971 to date)
3. Pioneered Physics teaching at NCE level in ATC/ABU Kano (1971 - 1984), B. Ed. degree programmes in general at ATC Kano (1981), B. Ed. (Science Education) in ATC Kano (1981 - 1984. ATC is now Federal College of Education)
4. Prepared Physics and Mathematics syllabi at NCE level (1973 - 1984).
5. Head of Department at NCE level (1971-1979) and at University level (1984 - 1999)
6. Vice Principal or Deputy Provost (1979)
7. Principal or Provost at NCE level (1979 - 1982)
8. Member of several Boards, both academic and professional (1971 - date)
9. Member of Students' Welfare Committee ATBU, Bauchi (1984 - 1999)

10. Chairman of several ad-hoc and standing committees (academic and professional) (1978 - 2000)
11. Acting Dean School of Sci. & Sci. Edu, ATBU, Bauchi (1985), Hall Warden (1985 to 1990)
12. External Examiner to Universities and Polytechnics (1987 - Date). Examines NCE, ND, HND, B. Sc. (Ed), M. Sc. (Ed.) and Ph. D. students.
13. Special Adviser/Consultant in Science Education to the Military Administrator of Bauchi State (November, 1996 - 1998)
14. Dean School of Technology Education, ATBU (2002 - 2007)
15. Director, Academic Planning and Professor of Science Education, University of Mkar, Mkar, Gboko, Benue State (September, 2007 to date).
16. Acted as Deputy Vice-Chancellor (September 2007 – September 2011)
17. Acted as Vice-Chancellor June 2009, June 2010 and 2011
18. **Lecturer in Physics, Landmark University, Omu-Aran, Kwara State**
19. **Director, Academic Standard and Quality, Landmark University**
20. **Director, Academic Planning, Landmark University, Omu-Aran(2013-2015)**

V ACADEMIC SERVICES TO GOVERNMENT AND AGENCIES GOVERNMENT

1. WAEC examiner in Physics (1968 - 1975), HSC/A' Level
2. Comparative Education Study and Adaptation Centre, (CESAC) University of Lagos (Instructor, Summer Course in Physics, 1978 - 1980)
3. Institute of Education, ABU, Zaria (Instructor, PGDE Summer Course in Science Methods, 1979 - 1984)
4. Associate Editor, Nigeria Education Forum, Journal of the Instituted of Education, ABU, Zaria (1979 - 1983)
5. Member, NCE Regulation Committee of the Professional and Academic Board, Institute of Education, ABU, Zaria (1980 - 1981)
6. Member, Critique Workshop in Senior Secondary School Electronics organized by CESAC, University of Lagos (May/June, 1985 - 1986)

7. Member, Writing Panel on Senior Secondary School Electronics organized by CESAC, University of Lagos (September, 1985 - 1986) Writing Panel on Introductory Technology Project (NPS) sponsored by the Nigerian Publishers Services, Ibadan (1986).
9. Resource Person, National Teachers' Institute (NTI), in service training workshop (November, 19 - 23, 1985)
10. Member, Writing Workshop for the Review of TC II Physics Syllabus organized by the NTI (June 11 - 17, 1986)
11. Member, Advisory Committee on Education, Bauchi State Ministry of Education (1986 - 1998)
12. Director and Lecturer, Federal Ministry of Education Teacher Vacation Course in Integrated Science (September 8 - October 3, 1986)
13. Organized the National Young Scientists Competition, Bauchi State Chapter (1986). Prepared Physics questions and arranged for the preparation of other questions for the competition.
14. Editor, Journal of the Science Teachers' Association of Nigeria (STAN) (1988 - 1993)
15. Member, Governing Council, Bauchi State Polytechnic (1986 -1990)
16. Member, Bauchi State Directorate of Science and Technology (1989 - 1993)
17. Moderator of Physics questions and preparation of model answers, West African Examinations Council (WAEC), 1992.
18. Adviser/Consultant in Science Education to the Military Administrator of Bauchi State (November, 1996 - 1998).
19. Editor, STAN (Science Teachers Association of Nigeria) Journal (1992 – 1995)
20. Editor, Journal of Curriculum Organization of Nigeria (1997 - 1999)
21. Editor-in-Chief, Journal of Curriculum Organization of Nigeria (1999 to 2001)
22. Editor, Journal of Nigeria Institute of Physics, 2001 - 2007.
23. Editor, Nigeria Journal of Science & Technology Education, ATBU, Bauchi, 2001 to 2004)
24. Associate Editor, Nigeria Education Forum, Journal of the Institute of Education, Ahmadu Bello University, Zaria(1979 – 1982)

25. Editorial Adviser, Studies in Curriculum, Journal of Department of Curriculum Studies and Instructional Technology, Faculty of Education, Ogun State University, Ago-Iwoye, Nigeria, 2000 to date
26. Editorial Adviser for at least three Journals based in Colleges of Education (Potiskum, Gombe and Pankshin).
27. Editorial Advisor, Journal of Curriculum Organization of Nigeria (2006 – Date)
28. Member, Board of Trustees, Curriculum Organization of Nigeria (2005 – Date)
29. Consultant in Education (ECOWAS), 2009 to date - (E – learning & Education/training related matters).
30. External Examiner, National Institute for Policy and Strategic Studies, Jos(2009-2010)

VI PROFESSIONAL EXPERIENCE

1. Took part in the Physics Curriculum Development by the Comparative Educational Study and Adaptation Centre (ECSAC) of the University of Lagos in 1970.
2. Attended several Science Workshops both in Nigeria and USA (1976 to date)
3. Attended several American National Science Foundation Physics Institutes for Higher School Physics Teachers (Summer, 1973 - six weeks)
4. Attended the Annual convention of the Colorado State Biology Teachers' Association (Summer, 1976 - 1978)
5. Attended the Annual Convention of the American Physics Teachers' Association in 1976 - 1978
6. Attended and participated in the activities of the Conferences of Science Teachers' Association of Nigeria (STAN), 1975 to date
7. Attended the Conference of the Nigerian Institute of Physics (1979, 1992)
8. In Britain (November/December, 1981) for a three weeks professional experience which took me to:
   (a) Dundee College of Education
   (b) Nuffied Science Education Centre, etc
9. Attended Science Association of Nigeria Conference at Ibadan (1983). Presented a paper

10. Taught in Summer Workshop for Physics Teachers organized by CESAC (1980 and 1981)
11. Participated in the STAN Physics Text Writing Workshop (1981 and 1982)
12. Attended and participated in the Critique Workshop on Senior Secondary Electronics and Applied Electricity (May/June, 1985)
13. Attended Committee of Deans of Education in Nigerian Universities Conference (1985 - 2007)
14. Participated in the CESAC Writing Workshop in Electronics for Senior Secondary Schools (1985 - 1986)
15. Taught Mathematics Education courses to Mathematics Teachers - NTI/Bauchi State Government Workshop for Mathematics Teachers (November, 1985)
16. Participated in the Writing and Critique Workshop on Review of a TC II Physics Syllabus organized by NTI (June, 1986)
17. Chairman, Physics/Mathematics Panel of the Science Teachers' Association of Nigerian (STAN), 1986 - 1988)
18. Chairman, Physics Panel of STAN (1988 - 1990)
19. Chairman, Bauchi State Branch of STAN (1986 - 1990)
20. Chairman, 1987 National Conference of STAN (1987)
21. Organized STAN Workshop in Physics and Mathematics at Benin-City (August 3-6, 1987. Served also as a Resource Person
22. Organized STAN Pre-Conference Workshop in Physics 1987 National Conference. Served also as a Resource Person.
23. Organized STAN Workshop in Physics and Mathematics at Lagos (April 11 - 14, 1988)
24. Represented STAN at the Annual Conference of the Association for Science Education (ASE) of Britain (January 1 - 6 1988) in Nottingham.
25. Organized STAN Science Quiz Competition and Project Exhibition for Bauchi State Secondary Schools in 1986, 1987 and 1988.
26. Visited Secondary Schools in Bauchi State from time to time to advise Teachers on the Teaching and Learning of Science and Mathematics (1985-2006).
27. Took part in NTA Television Discussions on Education in General and Science Education in particular (1995-1996).

28. Member of Committee of Drafting of Ph. D. Programmes for the School of Science and Science Education, Abubakar Tafawa Balewa University, Bauchi, (1989 – 1990)
29. Organized National Physics Workshop (STAN) at Gwagwalada, Abuja (1986), Kano (1990).
30. Coordinated National Science Teachers Vacation Workshop (1986, 1988, 1989 and 2000)
31. Resource Person and Coordinator, National Workshop for Teachers of the Gifted held in Jos (April, 1990)
32. Member, Abubakar Tafawa Balewa University, Bauchi Senate (1984 – 2007)
33. Member, Board of Studies and Examiners, School of Science and Science Education, A. T. B. U., Bauchi, (1984 – 2002)
34. Chairman, Senate Industrial Training Coordinating Committee, A. T. B. U., Bauchi, (1999 – 2003)
35. Chairman, Senate Examination Preparation Committee, A.T. B. U., Bauchi 1999/2000
36. Member, A. T. B. U., Bauchi Governing Council (2000 – 2004)
37. Member, Governing Council Appointment and Promotion Committee (Academic Staff), A. T. B. U., Bauchi, 2004
38. Member, A. T. B. U., Bauchi Governing Council, Disciplinary Committee
39. Member, A. T. B. U., Bauchi Governing Council Finance and General Purpose Committee
40. Chairman, Technical Teachers Training Programme of Federal Ministry of Education, Coordinating Committee, ATBU, Bauchi
41. Dean, School of Technology Education, ATBU (Oct. 2002 to 2007)
42. Chairman, Research and Publication Committee, ATBU, Bauchi, 1995
43. Special Adviser/Consultant in Science Education, Bauchi State Government, 1996-1999
44. Member, Governing Council, University of Mkar, Mkar, 2011
45. Director, Academic Planning, University of Mkar, Benue State (2007-20011)
46. Director, Academic Planning, Landmark University, Omu-Aran, Kwara State (2013-2015)
47. Chairman, Curriculum Committee, Landmark University, Omu-Aran (Feb. 2015-

VII PUBLICATIONS: Peer–Reviewed Papers in Journals, Workshop and Conference Papers

A: Peer – Reviewed Papers in Journals,

1. OLARINOYE, R. D. (1969). Physics in Nigeria as I see it. An opinion article, published in the Journal of the institute of Physics, U. K.
2. OLARINOYE, R. D. (1976). Appointment of Science Supervisors in Nigerian: From ranks or from outside the districts? A seminar paper published in URSA Major, A bulleting of the Department of Science Education, University of Northern Colorado, Greeley, USA
3. OLARINOYE, R. D. (1978). A comparative study of the effectiveness of three methods of teaching a Secondary School Physics in a Nigerian Secondary School. Published and copy-righted Doctoral Dissertation, University of Northern Colorado, Greeley, USA
4. OLARINOYE, R. D. (1979). A well structured method of teaching Physics: The Inquiry Approach. Nigeria Education Forum, Vol. 4, No. 1: pp. 88 -98.
5. OLARINOYE, R. D. (1981). Doctoral Research Abstract. A comparative study of the effectiveness of three methods of teaching a Physics course in a Nigerian Secondary School. Nigeria Education Forum, Vol. 4, No. 1, pp. 106 - 108
6. OLARINOYE, R. D. (1983). Three learning theories and their implications for the teaching of Physics. Published in Kano Catalyst. A journal of Science Teachers' Association of Nigeria, Kano Branch, Vol. 4, No. 1, pp. 37 - 50.
7. OLARINOYE, R. D. (1983). The use of Self-Evaluation Inventory in Instructional programme: A brief survey. Nigeria Education Forum, Vol. 6 No. 1, pp. 77 – 86.
8. OLARINOYE, R. D. (1983). The Inquiry and Discovery Methods of Teaching Science. Published in "The Educator". A Journal of Department of Education, Institute of Education, Advanced Teachers' College, Kano, pp. 503 - 563.
9. OLARINOYE, R. D. (1984). What is Science Education? Published in Kano Catalyst. A Journal of Science Teachers' Association of Nigeria, Kano Branch, Vol. 5, No. 1. pp. 1-13
10. OLARINOYE, R. D. (1985). What is Integrated Science? Published in Kano Catalyst. A Journal of the Science Teachers' Association of Nigeria, Kano State Branch.

11. OLARINOYE, R. D. (1986). Instructional Strategies in Agricultural Programme in Post Primary Schools. Published in the Journal of the School of Agriculture, ATBU, Bauchi.
12. OLARINOYE, R. D. (1989). A Review of the Inquiry Role Approach (IRA) and its Application to Teaching Physics in Nigeria. Published in the Journal of the Science Teachers' Association of Nigeria (STAN), Vol. 26, No. 1, pp. 105 - 116.
13. OLARINOYE, R. D. (1989). Entry Qualifications and Success in Pre-degree Biology, School of Science and Science Education, Abubakar Tafawa Balewa University, Bauchi, Nigeria. Published in the Journal of the Science Teachers' Association of Nigeria (STAN)
14. OLARINOYE, R. D. (1990). The Use of Inquiry Methods as Problem- Solving Strategies in Science Education at all Levels of Nigerian System of Education. Publishing in Zaria. Journal of Studies in Education, Department of Education, Ahmadu Bello University, Zaria.
15. OLARINOYE, R. D. (1989). Improvisation of Physics Equipment. Published in the Journal of Science Teachers' Association of Nigeria (STAN)
16. OLARINOYE, R. D. (1983). Technological Take-off in Nigeria: Its implications for Science Education and the Training of Science Teachers (Review)
17. OLARINOYE, R. D. and OCHEPA, I. A. (1983). Relationships of Students' Attitudes towards Mathematics Career Preference and Teachers' Performance. Published in ABUCUS, Journal of Mathematics Association of Nigeria (JMAN)
18. OLARINOYE, R. D. (1983). The Training of Teachers of Integrated Science. Published in the Conference Proceedings of the Science Teachers' Association of Nigeria (STAN)
19. OLARINOYE, R. D. (1987). Trends in Science Education in Nigeria: A contributed paper to the Main Theme: Science for all: A Capital Investment. International Round Table Exchange on Friday, March 27, 1987. The International Day of the Annual Conference of the American National Science Teachers' Association held in Washington DC.
20. OLARINOYE, R. D. (1990). Scientific and Technological Developments and their Impacts Upon our Lives. A paper presented at the World Conference of the International Council of Association for Science Education (ICASE) held at Canberra, Australia, July 3 - 9.

21. OLARINOYE, R. D. (1990) Demystifying Science, Technology and Mathematics in Nigeria Classrooms of the 90s. A paper presented at the 31st Conference of the Science Teachers' Association of Nigeria (STAN).
22. OLARINOYE, R. D. (1990). Tactics, Techniques and Strategies for Teaching Integrated Science to the Gifted Child. A Commissioned paper presented at the Workshop for Science and Mathematics Teachers of the gifted children organized by the Federal Ministry of Education, Science Branch at Jos (3^{rd} -7^{th} April).
23. OLARINOYE, R. D. (1992). Teaching and Learning of Integrated Science in Nigeria: How far? A commissioned paper presented at the Preparatory Workshop National Coordinators of Teacher Vacation Course held at the University of Ibadan, June 22 – 23.
24. OLARINOYE, R. D. (1995). Evaluating Science Education Alternative for the Future: A commissioned lead paper presented at the one-day National Seminar on Rethinking Science Education in Nigeria. Our Way Forward. Lagos State University, Badagry Expressway, Ojo, Lagos
25. OLARINOYE, R. D. and OLOYEDE, O. I. (1997). Accelerating Students' Reasoning Level of the Understanding of SSCE Chemistry Curriculum Content - A Case Study in Bauchi metropolis. Published in the West African Journal of Education Research (WAJER), Vol. 1, No. 2.
26. OLARINOYE, R. D.(1998). Science Education in Nigeria - Yesterday, Today and Tomorrow: Trends and Developments. An Inaugural lecture presented at Abubakar Tafawa Balewa University, Bauchi.
27. OLARINOYE, R. D. (1998). Technical Teacher Production and Technology Development: A commissioned lead paper presented at the 2nd National Seminar, Federal College of Education (Technical) Potiskum, Yobe State.
28. OLARINOYE, R. D. (1997). Science Education in Bauchi State. Problems and Solutions. Technical/Research Report submitted to Bauchi State Government on related assignment.
29. OLARINOYE, R. D. (2000). Strategies for Effective Teaching of Modern Physics. A Keynote Paper delivered at the STAN Physics Panel Workshop held at Katsina, 24 - 29 April, 2000

30 OLOYEDE, O. I. and OLARINOYE, R. D. (1996). The relative effects of levels of intellectual development. Age and gender on science achievement in Senior Secondary Schools in Bauchi State. Published in Journal of Educational Theory and Practice, University of Ibadan, Vol. 2 No. 1 & 2, pp 47 - 54

31. OLARINOYE, R. D. et al (2000). Strategies in the implementation of Environmental Education Curricular. Published in Nigerian Journal of Curriculum Organization of Nigeria, Vol. 7, No. 1 &2

32. OLARINOYE, R. D. and Ukwungu, J. O. (2000). The effect of teaching methods and levels of entry characteristics on students retention in Physics. Published in Nigerian Journal of Curriculum Organization of Nigeria, Vol. 7, No. 1 & 2.

33. OLARINOYE, R. D. et al (1999) Correlates of students characteristics with performance in stoicheiometry. Published in Jos Journal of Education, Faculty of Education, UNIJOS, Vol. 4.

34. MOSES, D. E. and Olarinoye, R. D. (2002). Equipment, Tools and Materials and success in Technology Education. Published in Journal of Curriculum Organization of Nigeria.

35. YILWA, A. V. and OLARINOYE, R. D. (2001). The influence of location, proprietorship, sex and grade level on Junior Secondary School students' performance in the skill of observing. Published in the Journal of Curriculum Organization of Nigeria.

36. OLARINOYE, R. D. (2001). Science Education as a Basis for Technological Development. A commissioned lead paper presented at the First National Conference of the Federal College of Education (Technical), Gombe, 29th October, to 1st November,

37. OLARINOYE, R. D. (2001). Problems of teaching Physics in Secondary Schools. A commissioned paper presented at the Second National Mathematical Science Summit in Physics organized by National Mathematical Centre, Abuja held at the National Merit Award Secretariat, Maitama, Abuja 28th - 30th November, 2001.

38. OLARINOYE, R. D. (2001). Curriculum Improvement through Programme Evaluation Studies in Curriculum, a Journal of Department of curriculum Studies and Instructional Technology, Faculty of Education, Ogun State University, Ago-Iwoye, Nigeria, Vol. 3, pp. 41 - 48.

39. OLARINOYE, R.D. (2002). Issues and Analysis of Nigerian Education: A lead paper presentation. Journal of the league of Researchers in Nigeria. (JOLORN) 3:1, 1-11.

40. OLARINOYE, R.D. et.al (2002). Science Curriculum implementation in the new millennium. Journal of the league of Researchers in Nigeria (JOLORN) 3:1, 64-71.

41. OLARINOYE, R.D. (2005).The place of Information and communication Technology in promoting quality assurance in Nigerian university system. Journal of Curriculum Organisation of Nigeria.Vol.12, No3.pp 26-32.

42. OLARINOYE, R. D. et al (2006). The Application of Information and Communication and Technology in Nigerian Universities and the Challenges of Globalization: The Nigeria Experience. Journal of the Faculty of Arts, University of Jos, Jos, Nigeria.

43. OLARINOYE, R. D. and Gusen, J. N. (2006). The Politics and Policy of Information and Communication Technology in Educational System in Nigeria, in politics of Nigerian Education, Published Book of proceedings, 2006 Annual Congress of the Nigerian Academy of Education, Abubakar Tafawa Balewa University, Bauchi.

44. OLARINOYE, R. D. et al (2007) Information and Communication Technology and the Management of the Skill Oriented Education sub-sector in Nigerian Tertiary Institutions. Nigerian Journal of Educational Administration and Planning, 7(2).

45. OLARINOYE, R. D. et al (2010). Emerging Information and Communication Technology Issues, in Education! A Global Perspective. Journal of Curriculum Organisation of Nigeria, 10 (2).

46. OLARINOYE, R. D. (2012). Developing Curriculum on Climate Change in Nigeria. A Keynote Address presented at the 26th Silver Jubilee Conference of the Curriculum Organization of Nigeria(CON) HELD AT Imo State University, Owerri, 19th to 22nd September.

47. OLARINOYE, R. D. (2014). Preparation and Certification of Education Graduate Teachers for Global Change. A Keynote Address presented at the One Day

Conference of the Committee of Deans of Education in Nigerian Universities held at University of Ilorin, Ilorin, Kwara State, 23rd April.

48. OLARINOYE, R. D. (2015). Science and Technology Education in Agricultural Revolution. A Public Lecture presented at Landmark University, Omu-Aran, Kwara State, 17th March.

49. GUSEN, J., OLARINOYE, R. D., and GARBA E. J. ICT.(2015) Skils as enabler for transforming Education in Nigeria into knowledge based Economy: A Case Study of Post-Graduate Education Students University of Jos, Jos, Nigeria. A paper presented at the Annual Congress of Nigerian Academy of Education held at the National Teachers Institute(NTI), Kaduna, Kaduna State, Nigeria(2nd-7th November)

B: Conference/Seminar/Workshop Papers

1. OLARINOYE, R. D. (1981). Nigeria National Assessment of Educational Achievement, Science Objective - Conference of Education Study Association of Nigeria.
2. OLARINOYE, R. D. (1981). Technological Take-off – Its implications for Science Education and the Training of Science Teachers' Association of Nigeria Conference.
3. OLARINOYE, R. D. (1981). Nature of Science and its Implications for the Education of Children. Science Teachers' Association of Nigeria Conference.
4. OLARINOYE, R. D. (1981). Suggestions for the Revision of NCE Regulation. A paper submitted to a meeting of the NCE Regulations Committee of the Institute of Education, Ahmadu Bello University, Zaria.
5. OLARINOYE, R. D. (1983).Experimentation in Science through Guided Inquiry Approach. A lecture delivered at the meeting of Science Teachers' Association of Nigeria, Kano branch, April 30.
6. OLARINOYE, R. D. (1983). Technological Take-off in Nigeria: Its implications for Science Education and the Training of Science Teachers' (Revised Paper). Presented at the Conference of Science Association of Nigeria at Ibadan between 4th - 9th April.

7. OLARINOYE, R. D. (1985). Life-long Education and Implementation of Secondary School Science Education Principles. Read at the Conference of Nigerian Association for Comparative Education, University of Lagos.
8. OLARINOYE, R. D. (1986). Instructional Strategies in Agricultural Science Programme in Post Primary Schools. A paper presented at the School of Agriculture, Abubakar Tafawa Balewa College, A.B.U, Bauchi.
9. OLARINOYE, R. D. (1986). Secondary School Science and Mathematics Teachers' Education Programme at Abubakar Tafawa Balewa College, Ahmadu Bello University Campus, Bauchi. A paper presented at the Annual Conference of Nigerian Association for Comparative Education (NACE)
10. OLARINOYE, R. D. (1988). Preparation of Science and Mathematics Teachers: The Case of Abubakar Tafawa Balewa University, Bauchi. A paper presented at the Annual Conference of Curriculum Association of Nigeria, University of Calabar.
11. OLARINOYE, R. D. (1987). Problems of Implementation of 6-3-3-4 System of Education in Bauchi State. Presented at the 10th Meeting of the Committee of Deans of Education in Nigerian Universities, University of Maiduguri, May 12 - 13.
12. OLARINOYE, R. D. (1989). Learning and Teaching Science in a Rural Environment. A lead paper presented at the Annual Conference of the Science Teachers' Association of Nigeria (STAN) held at the Federal University of Technology, Minna, August 21 -26
13. OLARINOYE, R. D. (1989). Remote Sensing of the Environment. Principles and Applications. The key-note address presented at the launching ceremony of the Nigerian Society of Remote Sensing. Kano/Katisna, Chapter, on behalf of the Vice-Chancellor, Abubakar Tafawa Balewa University, Bauchi, August 12.
14. OLARINOYE, R. D. (1986). Causes and Remedies of Students' Under-achievement in Science. A lecture presented at the General Meeting of Science Teachers' Association of Nigeria, Bauchi State Branch.
15. OLARINOYE, R. D. (1994). Experimentation in Science through Guided Inquiry Approach. Presented at the Annual Conference of the Science Teachers' Association of Nigeria (STAN) held at Abeokuta Federal College of Education, 15th - 20th August.

16. OLARINOYE, R. D. (1996). Curricular Issues in Integrating Concepts of Sustainable Development in Environmental Education. A lead paper presented at ASSE (Arts and Social Science Education) Conference on Environmental Education for Sustainable Development organized by the Department of Arts and Social Science Education, University of Jos, Nigeria, 5th - 8th March.
17. OLARINOYE, R. D. (1996). Teaching of some Difficult Concepts in the Senior Secondary Physics Curriculum. A working paper presented at the 1996 Teacher Vacation (TVC) preparatory workshop held at Lafia Hotel, Apata, Ibadan, 6 - 8 October.
18. OLARINOYE, R. D. (1989). Course Credit System. An Overview (Bauchi Experience). A commissioned paper presented at the Workshop on Course Credit System Involving all Deans, Directors, Heads of Department and Lecturers, Ahmadu Bello University, Zaria, January 12th and 13th
19. OLARINOYE, R. D. (1994). Introduction to the Philosophy and Objectives of Primary Science Programme. A working paper presented at the workshop on Master Trainers' Programme of the World Bank Assisted Primary Education Project, organized by the Science Teachers' Association of Nigeria
20. OLARINOYE, R. D. (1992). Physics Education for Self-reliance. A lead paper (sub-theme) presented at the 15th Annual Conference of the Nigerian Institute of Physics held at University of Jos, Jos. 20-23 May.
21. OLARINOYE, R. D. (1993). Women in Science and Technology: The Nigerian Experience. Presented as Guest lecturer in the send-forth ceremony of Mrs. A. O. Ike, University Librarian at Abubakar Tafawa Balewa University, Bauchi 22 September.
22. OLARINOYE, R. D. (1995) Nigerian Educational System at a Cross-Road: The Way Out. A commissioned key-note address delivered at the Academic Symposium on Education organized by the Academic Staff Union of Polytechnics (ASUP), Federal Polytechnic, Branch, Bauchi, 11 - 13 April.
23. OLARINOYE, R. D. (2001). The Role of Primary School Science Teachers on Poverty Alleviation. Presented at the Workshop for Primary School Science Teachers in Bauchi State in preparation for **Jets 2001 national Competition, 1st August.**

24. OLARINOYE, R. D. (2001) Executive Stress Management in a Stress-Prone Society and Cost Effectiveness of Regular Medical Check-up in preventing stress and sudden death. Presented at the One-day Seminar organized by Choice Care Consulting Group Limited (Human Resource Training and Development Unit), Jos Plateau State, 23rd June.
25. OLARINOYE, R. D. (2001) A Reminder on the Use of Role Play Techniques for Teaching Senior Secondary School Physics. Presented at the 2001 Teacher Vacation Course in Science, Preparatory workshop organized by the Federal Ministry of Education, Modotel, Enugu, 24th - 27th September.

C: Speeches, Memoranda, Public Lectures, Seminar Papers And Reports

1. OLARINOYE, R. D. (1980). Suggestion for the revision of NCE regulation. A memorandum presented to the Committee on NCE Regulation appointed by the Institute of Education Professional and Academic Board.
2. OLARINOYE, R. D. (1980). Teacher Education Programme, a memorandum presented to the Academic Planning Committee of Ahmadu Bello University, Zaria.
3. OLARINOYE, R. D. (1982). Teacher Training in Science at NCE level.
4. OLARINOYE, R. D. (1984). An Envisaged Science Education Programme at undergraduate level in the ATCs and Nigeria Colleges of Education. A memorandum presented to the Committee on Degree Programmes in ATC/ABU, Kano.
5. OLARINOYE, R. D. (1984). The Open University System. Mobile Teachers and Teaching Centres
6. OLARINOYE, R. D. (1983). Funding of Primary Education in Nigeria. A memorandum submitted to the Presidential Commission on Funding of Primary Education in Nigeria.
7. OLARINOYE, R. D. (1986). Value Clarification and National Consciousness. A Seminar paper delivered at ATC/ABU, Kano.
8. OLARINOYE, R. D. (1986). Science Education in the 80s. A lecture presented at the Annual Quiz and Projects Competition for Bauchi State Secondary Schools organized by the Science Teachers' Association of Nigeria, Bauchi State Branch.
9. OLARINOYE, R. D. (1986). National Teachers' Vacation Course in Science and Mathematics for Bauchi State. End of Course Report, October.

10. OLARINOYE, R. D. (1986). Popularising Science and Technology. A paper presented at the final of the National Competition for YOUNG SCIENTISTS.
11. OLARINOYE, R. D. (1986). Abubakar Tafawa Balewa College, Ahmadu Bello University Campus, Bauchi. Memorandum presented to the Federal Government appointed Study Panel on Technical Teacher Education in Nigeria.
12. OLARINOYE, R. D. (1987). Report on the Activities of the Bauchi State Branch of the Science Teachers' Association of Nigeria between the period July 11, 1981 and January 31, 1987. Delivered at the Bauchi State Branch General Meeting. January 11.
13. OLARINOYE, R. D. (1987). The Use of Self-evaluation in Science Teaching. A lecture presented a at the General Meeting of Science Teachers' Association, Bauchi State Branch, 11, January.
14. OLARINOYE, R. D. (1987). EDUCATION: A means to an end and an end in itself. Guest speaker's speech. Government Day Secondary School, Bauchi, June 20.
15. OLARINOYE, R. D. (1987). Education and the Future Development of Nigeria. Lecture as a guest speaker. Bauchi Teachers' College, Bauchi, June, 24.
16. OLARINOYE, R. D. (1988). Learning Environment. A lecture delivered at the workshop on effectiveness in learning and teaching. Federal Polytechnic, Bauchi, October, 4.
17. OLARINOYE, R. D. (1988). Science quiz and project exhibition. A manifestation of the relationship between science and technology. Presented as an introductory paper at the final of the science quiz competition and project exhibition (an activity of the Bauchi State Branch of STAN for the State Secondary Schools).
18. OLARINOYE, R. D. (1989). The Brain Drain. A memorandum submitted to the Presidential Committee on Brain Drain.
19. OLARINOYE, R. D. (1989). Report on teachers' vacation course presented at the end of the Teachers' Vacation Course in Physics, Chemistry, Mathematics and Integrated Science. Organized by the Federal Ministry of Education, Science Section, Lagos.
20. Speech at the Kano Government House on the occasion of election of Governor of Kano State, 1976.
21. Principal's Speech - 1980 Graduation Ceremony.

22. Speech at the Principal's office welcoming the Presidential Liaison Officer, Kano State to the College, 1980.
23. Expression of sympathy at the Kano Emir's Palace on December,1980 Religious Disturbance in Kano, 1980.
24. Expression of sympathy at the Kano State Government House on occasion of December, 1980 Religious Disturbance in Kano State, 1980.
25. Memorandum on students' indiscipline behaviour during Teaching Practice Exercise. Professional and Academic Board of the Institute of Education, Zaria, 1980.
26. Principal Speech - 1981 Graduation Ceremony
27. Guest Speaker at the 1982 Founder's Day of Federal Government College, Kano. Theme: The Concept of Foundation.
28. Welcome address on the occasion of the visit of the Vice-Chancellor of Ahmadu Bello University, Zaria, 1981.
29. Speech delivered on the occasion of the swearing in ceremony of the Students' Union Executive Council Members, ATC/ABU, Kano, 1981.
30. Written and oral submission made to the Committee of Administrative Reorganization of Summary Course of the Institute of Education, Ahmadu Bello University, Zaria. Evidence contained in the report.
31. OLARINOYE, R. D. (2001). The Significance of the Speech and Prize-Giving Day to Parents, Teachers and Learners. Presented as a Guest Speaker at Speech and Prize Giving Ceremony, International Secondary School, Abubakar Tafawa Balewa University, Bauchi.

D: Book Chapters

1. Thermionic Emission, CESAC Senior Secondary School Electronics text. Chapter 1, Unit 1 (Thermonic Devices) Part 1, 1986.
2. Multielectronics Valves. CESAC Senior Secondary School Electronics text. Chapter 8, Unit 6 (Thermionic Devices I) Part II, 1986.
3. Philosophy of Science and Technology. Science, Technology and Society text for use by General Studies students, 1986.

4. Basic Ideas of Electricity and Magnetism. Introductory Technology text for Junior Secondary Schools. Chapter 9, Book One. Sponosored by Nigerian Publishers Services, Ibadan, 1986.
5. Interrelation and Interaction of Electric and Magnetic Fields. Introductory Technology text for Junior Secondary School, Chapter 6, Book Two. sponsored by Nigerian Publishers Services, Ibadan, 1986.
6. Energy Conversion. Introductory Technology text for Junior Secondary Schools, Chapter 6, Book Two. Sponsored by Nigerian Publishers Services, Ibadan, 1986.
7. Transmission and Utilization of Electricity. Introductory Technology text for Junior Secondary Schools. Chapter 6, Book Three. Sponsored by Nigerian Publishers Service, Ibadan, 1986.
8. Electronics Devices and their Uses. Introductory Technology text for Junior Secondary School, Chapter 6, Book Three. Sponsored by Nigerian Publishers Service, Ibadan, 1986.
9. Curricula Issues in Integrating Concepts of Sustainable Development in Environmental Education. A Chapter in Part II of the Book titled "Environmental Education for Sustainable Development. Focus on Nigeria, edited by Prof. S. U. Udoh and Mr. G.O Akpa. Published in 1997.
10. Methods and Products of Research in Science and Technology Education. Chapter12 of the Book titled "Science and Technology Education for Development".Edited by Prof. Udogie M.O.Ivowi. Published by NERDC Press, pp.205-219.2005.
11. Course credit system re-examined. Chapter 5 of the Book titled "Higher Education in Nigeria. Edited by Prof. J. A. Aghenta. Published by the Nigerian Academy of Education. pp78-95. 2007.
12. Impacts of Diversification on Society, Chapter 5 of the Book titled "Curriculum Diversification in Nigeria. Published by Curriculum Organisation of Nigeria, 2009.
13. Technological Education for Rapid Industrialization. Chapter 17 of the Book titled "Education for value. Published by Foremost Educational Services Ltd., Lagos.
14. **Teacher Production and Utilization at the Secondary Education Level. Chapter 7 of the Book titled "The Growth and Development of Education in Nigeria, a book of Reading in Honour of Prof. Peter Okebukola edited by Prof. U. M. O. Ivowi and Dr. A. O. Ogunleye. Published by Foremost Educational Services Ltd Lagos. 2006.**

15. Contribution of Private Sector to Science and Technology Education in Nigeria. Chapter 18 of the Book titled "Education in Nigeria: Development and Challenges". A Book of Reading edited by Profs N. A. Nwagwu and U. M. O. Ivowi. Published by Foremost Educational Services Ltd, Lagos, Nigeria, 2014

16. Administering Polytechnic and Technology Education in Nigeria. Chapter 2 of the Book titled "Education in Nigeria from the Beginning to the Future. A Book of Reading in Honour of Prof. Obioha C. Nwana, Emeritus Professor of Education, Imo State University, Owerri, Nigeria; edited by Prof. U. M. O. Ivowi and Dr. Ben B. Akpan and Published by Foremost Educational Services, Lagos, Nigeria,2012.

E: Books

1. Solid State Electronics for Physics and Electronic Teachers (undergraduate and diploma levels). 7 chapters (writing completed in 1988). Edited by M. S. Islam of Electrical Engineering Programme, Abubakar Tafawa Balewa University, Bauchi. A text for students of Senior Secondary Schools and Teachers' Colleges. First draft completed and read through by Jim Jardine of Moray House College of Education, Edinburgh (a renowned Physics educator). Copy submitted to African Publishing Company, Casell United, London. Assessment received and necessary review done in 1987/88 session.
2. The Traditional and Inquiry Approaches to School Physics Practicals in Nigeria (for secondary schools and teachers' colleges).

VIII A: Research and Project Work Completed

1. The teaching of Physics to Mixed Classes. PGDE. Thesis of the Institute of Education, Zaria, 1994.
2. A Comparative Study of the Effectiveness of Three Methods of Teaching a Secondary School Physics Course in a Nigerian Secondary School. Published Doctoral Dissertation, University of Northern Colorado, Greeley, US, 1978.
3. An Analysis of Ionospheric Data. Project report, part of the requirements for the award of B. Sc. (Hons) degree in Physics, 1968.
4. The Construction of Vacuum Pump for Use in Growing Magnesium Silicide ($Mgcl_2$) crystals, part of the Physics requirements for both Masters and Doctoral degrees, University of Northern Colorado, Greeley, USA, 1978.

5. The Proportion of Formal Thinkers among Science Students of the Constituent Advance Teachers Colleges (ATCs) of ABU, Zaria (i. e. ATCs Zaria and Kano), 1984.
6. Students' Self-evaluation of Learning Problems in Science and Mathematics (remedial programme students of ATBU/ABU, Bauchi), 1985/86 session (data collected). Repeated in 1986/87 session.
7. Science Education in Bauchi State: Problems and solution.
8. The Teaching of Science and Mathematics in Bauchi State Primary Schools: Problems and solution. Completed in 2004

B: Other Research Involvements

1. Local Research Adviser to Masters and Doctoral students and staff..
2. Supervised Postgraduate Diploma in Education (Science) theses: Examples are:
   (a) Attitudes and Academic Achievements of Class II Physics Students in Borno State Secondary Schools (a comparative), 1980
   (b) The Attitudes of Students Toward the Teaching of Chemistry at ATC, 1981.
   (c) A Comparative Study of the Academic Achievement (in Chemistry) of the Students of the two Federal Government Colleges in Kano State, 1982.
   (d) A Survey of Student/Teachers' Opinion on the Difficulties involved in Biology Practical in Secondary Grammar School in Kano Municipality, 1983.
   (e) Chemistry and Biology at the Ahmadu Bello University Advanced Teachers' Colleges in Kano and Zaria from 1978 to 1984 etc.
3. Supervised the following B. Ed (Science Education) research projects at Advanced Teachers' College, Kano. (1981 – 1984)

   (a) Agricultural Science Instructional Approaches in Kano State Secondary Schools, 1983
   (b) A Study of Attitudes of Secondary School Students Towards Science Instructional Methods in some selected schools in Kano city, Kano State, 1983.
   (c) A Survey of Biology Laboratory Equipment and

Facilities in some selected secondary schools in Kwara and Kaduna State, 1983.

(d) A Comparative study of the Academic Achievement (in Biology) of the Students of Kano and Kaduna State, 1983.

(e) The Attitudes of Biology Teachers towards Improvisation.

4. Supervised the B. Sc.\B. Tech. (Ed) (Science Education) research projects at Abubakar Tafawa Balewa College, Bauchi: Examples are:

(a) Entry Qualification and Success in Biology of

(i) Remedial Students

(ii) 100-level students of the Abubakar Tafawa Balewa College, Ahmadu Bello University, Campus Bauchi, 1981 -1986.

(b) Problems in the Teaching of Mathematics with Reference to Five Secondary Schools in Bauchi Town, 1988.

(c) A comparative study of the Academic Achievement of Students of Chemistry at WASC/GCE level (with particular reference to Secondary Schools in Bauchi State), 1988.

(d) Many others from 1988 to date (Abubakar Tafawa Balewa University, Bauchi).

5. External Examiner (Ph. D. and M. Sc. in Science Education) in University of Ibadan, Univeristy of Jos, Jos, Ahmadu Bello University, Zaria; Lagos State University, Lagos; University of Oyo, Uyo; Federal Universities of Technology, Yola and Minna; Enugu State University, University of Nsukka; Edo State University; University of Ilorin; University of Cape Coast, Ghana, etc.

6. Supervised two NCE Child Study, 1983

7. Supervised four NCE Child Study, 1984

8. External Examiner, PGDE, University of Jos, 1991 to date B. Ed. (part-time) and Regular undergraduate students, 1998 – Date.

9. Supervised to completion over many M.Tech(Ed) and over15 Ph. D. students of Abubakar Tafawa Balewa University, Bauchi
10. Presently supervising 5 Ph. D. and 6 M.Tech(Ed) students.
11. External Assessor for promotion to Reader and Professors, University of Jos, FUT, Yola, Minna, University of Maiduguri, Zaria, Makurdi, Ilorin, Lagos, Nsukka, Ekpoma, Sokoto, Kano, University of cape coast, Ghana, etc
12. External Assessor for promotion to Principal and Chief Lecturers of Colleges of Education: Federal Colleges of Education (T), Gombe and Potiskum, College of Education, Azare, Bauchi State.
13. Consultant, ECOWAS,2009 to date.
14. External Examiner, Institute for Policy and Strategic Studies, Kuru, Jos 2007 - 2009.

C. Current Research Activity.

Unified Tertiary Matriculation Examination(UTME) Results and Success in Undergraduate Degree Study at Landmark University, Omu-Aran, Kwara State, Nigeria.

IX Other Services and Professional Associations

1. Voluntary services to the Cross Cultural Classroom Programme in the public schools in Greeley, Colorado, USA, 1976.
2. Member, Home Town Community Development Projects Committees
3. Member, Standing Committee of Cathedral Church of Holy Trinity, Kano, 1978 - 1984, St. Paul's Cathedral, Bauchi 1990 to date.
4. Chairman, PTA, GGSSS, Bauchi, 1986 - 1994.
5. Member, Diocesan Finance Board, Kano, 1982 - 1984.
6. Lay Synod Secretary, Diocesan Board, Kano, 1982 - 1984.
7. Chairman, Bauchi Anglican Diocese Implementation Committee, 1988 - 1990.
8. Chairman, Bauchi Diocese Project Committee, 1991 - 1999.
9. Chairman of several launching organizing committees, Bauchi (Ang) Diocese 1989-2004.
10. Project Adviser, Anglican Diocese of Bauchi, 1999 - 2006.
11. Chairman, Igbomina/Ekiti, Kwara State Community in Bauchi 2000 to date.
12. Chairman, Diocesan (Bauchi) Education Board, 2006 – 2007.

13. Financial Secretary Nigerian Academy of Education.(2006 – 2010)
14. Synod Members, Diocese of Igbomina
15. Member, Provincial Synod, Anglican Commission

X Professional Organizations

1. Full member of the Institute of Physics (U. K.), (M. Inst. P, C. Phys.). Chartered Physicist (C. Phys.) Institute of Physics (UK)
2. Full member of the Association of Science Education (ASE), U. K.
3. Member, Institute of Physics, Nigeria.
4. Fellow and life member of Science Teachers' Association of Nigeria (FSTAN).
5. Member of Science Association of Nigeria (SAN).
6. Member of Nigerian Association of Comparative Education (MNACE).
7. Fellow and Trustee of Curriculum Organization of Nigeria (FCON).
8. Fellow, Nigerian Academy of Education (FNAE).
9. Fellow of the Institute of Administration Management of Nigeria (FIAMN).
10 Fellow, Institute of Corporate Administration (FCAI)

XI. Additional Responsibilities

1. Taught the following courses at B. Ed. and B. Sc. (Ed) levels:
   (a) Educational Inquiry, 1981 to date.
   (b) Science Method, 1982 to date.
   (c) Measurement and Evaluation, 1982 to date.
   (d) Introduction to quantum Physics, 1982 - 1984.
   (e) Primary and Integrated Science Teaching, 1983 - 1984.
   (f) Supplementary Science, 1982 - 1984.
   (g) Methods of Teaching Physics, 1984 to date.
   (h) Principle of Curriculum Development, 1984 to date.
   (i) Adolescent Psychology, 1984 - 1986.
2. Taught NCE Physics and Electronics, 1971 - 1984.

3. NCE by Correspondence [NEC (cc)] - taught Educational Foundations, Philosophy of Education.

4. Taught and still teaching the following courses at PGDE (Postgraduate Diploma in Education).

   (a) Science Method

   (b) History of Science

   (c) Philosophy of Science and Technology

   (d) Science, Technology, Man and Society

   (e) General Methods

   (f) Curriculum Studies

5. Taught and still teaching the following courses at M. Ed. level:

   (a) Educational Research Method

   (b) History of Science and Technology

   (c) Supervision and Administration of Science

   (d) Problems in the Teaching of Science

   (e) Philosophy of Science and Technology.

6. Teaching the following Physics Courses at Landmark University, Omu-Aran, Kwara State, Nigeria

PHY 111: Mechanics and Properties of Matter
PHY 131: General PhysicsI for Agricultural Students
PHY 121: Electricity and Magnetism1
PHY 336: Fluid Mechanics

XII Hobbies

1. Football, Table Tennis and Lawn Tennis
2. Listening
3. Questioning
4. Reading, writing and researching

PROFESSOR R. D. OLARINOYE

11th April, 2016