

Academic and Research Profile of YAHAYA Amuda Yusuph



Prof. YAHAYA Amuda Yusuph is a Professor of Mathematics, School of Physical Sciences, Federal University of Technology, Minna, Nigeria. He was at one-time Director of Academic Planning in the Vice Chancellor's Office, also he was one-time Chairman, Committee of Directors of Academic Planning of Nigerian Universities (CODAPNU). He delivered the 81st inaugural lecture of the university titled *"Driving a Car without a Dashboard, Your Opinion Is Yours!"* He is Currently the Vice-chancellor of Pen Resource University, Gombe, Gombe State. He completed his PhD in 2005 in Applied Mathematics, Specializing in Numerical Analysis from University of Jos, Plateau State, Nigeria. His research works encompass: Numerical solution of Ordinary and Partial Differential Equations, via Linear Multistep methods (LMM), Runge-Kutta Method (RKM) and R-k Type methods among other methods. For more than a decade, he has been working on both Linear and Non-linear problems, arising from Chemical Engineering, Transport and Bio-mathematics. He is a theoretician who cares a lot about the practical interpretation of modeling and chemical reactions and who appreciates interdisciplinary research. The most prominent innovation of his research has been the conversion of some Linear Multistep Methods (LMM) to Runge-Kutta (single step) and uses it to solve both Initial and Boundary Value problems. Prof. YAHAYA has authored and co-authored more than 70 peer reviewed Publications. In addition to his active involvement in the teaching of Mathematics courses both at the department and faculty levels, he has successfully supervised and graduated six (6) PhD, co-supervised three (3), and over fifteen (15) M.Tech or M. Sc. students. He is a member of Mathematical Association of Nigeria (MAN), Nigerian Mathematical Society (NMS) and Nigerian Association of Mathematical Physics (NAMP). His prior work experience at Kaduna polytechnic aside active teaching, includes Chairman Pre-ND Mathematics Committee on examination, member committee to advice the Rector on Union Activities among others. At Federal university of Technology, Minna he has been Departmental Postgraduate coordinator, Deputy Dean, and Deputy Director Academic Planning, before Assumption of Office as Substantive Director in May 2015 at the institution, a position he occupies up till February 2020. Prof. Yahaya, possessed appreciable Computing Skills as well as the ability to embrace information and communications technologies skill required to be a good manager of human and material resources.

CURRICULUM VITAE

1. PERSONAL DATA

NAME: YAHAYA, YUSUPH AMUDA

SEX: MALE

DATE OF BIRTH: 1st March, 1966

PLACE OF BIRTH: ILORIN

NATIONALITY: NIGERIAN

STATE OF ORIGIN: KWARA

LOCAL GOVERNMENT AREA: ILORIN-EAST

MARITAL STATUS: MARRIED

NUMBER AND DATES OF BIRTH OF CHILDREN: SEVEN (7)

- i. Ahmad Modibbo YUSUPH - 01st January 1998
- ii. Mustapha Ladi YUSUPH - 01st November,2000
- iii. Abdulhaqq Maituta YUSUPH - 16th October,2003
- iv. Nabeelah Labake YUSUPH - 16th November,2005
- v. Abdulhayy Opeyemi YUSUPH - 10th December,2005
- vi. Abdulwariz Olalekan YUSUPH - 03rd December,2007
- vii. Zainab Kofoworola YUSUPH - 16th November,2011

LANGUAGES SPOKEN: ENGLISH, HAUSA &YORUBA

PERMANENT HOME ADDRESS: NO. 28, ALIMI/KAIMA ROAD, POPO IGBONNA, ILORIN.

CORRESPONDENCE ADDRESS: MATHEMATICS DEPARTMENT, SCHOOL OF PHYSICAL SCIENCES, P.M.B. 65, FUT MINNA

Telephone (Mobile): 08034519729 AND 08070800763

Emails: yusuphyahaya@futminna.edu.ng Website: yayahaya.name.ng

DATE OF FIRST APPOINTMENT (**with Kaduna Polytechnic**): 17th January, 1991

DATE/RANK OF FIRST APPOINTMENT AT FUT MINNA: 1st July, 2008/Senior Lecturer



DATE OF CONFIRMATION OF APPOINTMENT (with Kaduna Polytechnic): 1st January, 1993

PRESENT RANK: PROFESSOR

PRESENT SALARY GRADE LEVEL/STEP: CONUASS A07 STEP 9

DATE OF LAST PROMOTION: 1ST OCTOBER, 2013

2. EDUCATIONAL INSTITUTIONS ATTENDED / QUALIFICATIONS (In chronological order)

S/NO	INSTITUTIONS ATTENDED	DATES	QUALIFICATIONS (With class of degree)
1.	Ansarul Islam Primary School, Okemale, Ilorin, Kwara State. Nigeria.	1973-1979	School Leaving certificate.
2	Government Secondary School Maletе, via Ilorin, Kwara State. Nigeria.	1979-1984	WASCE
3	University of Ilorin, Kwara State, Nigeria.	1985-1989	B. Sc. (Hons) (2 nd Class Lower)
4	University of Jos, Plateau State, Nigeria.	1993-1997	M. Sc.
5	University of Jos, Plateau State, Nigeria.	2000-2005	PhD.

3. WORK EXPERIENCE / CAREER PROGRESSION (In chronological order)

S/NO	NAME OF ORGANIZATION	DATES	POSITIONS HELD/RANK
1	Command Secondary School, Abakaliki, Anambra State, Nigeria	1989 – 1990	Corps Member,
2	Community Sec. School, Okanle Fajeromi, Kwara State, Nigeria	1990 – 1991	Mathematics Teacher
3	Department of Maths/Comp. Science, Kaduna Polytechnic, Kaduna State, Nigeria	1991 – 1993	Assistant Lecturer
4	Department of Maths/Comp. Science, Kaduna Polytechnic, Kaduna State, Nigeria	1993 – 1996	Lecturer III
5	Department of Maths/Comp. Science, Kaduna Polytechnic, Kaduna State, Nigeria	1996 – 2000	Lecturer II
6	Department of Maths/Comp. Science, Kaduna Polytechnic, Kaduna State, Nigeria	2000 – 2005	Lecturer I

7	Department of Maths/Comp. Science, Kaduna Polytechnic, Kaduna State, Nigeria	2005- June2008	Senior Lecturer
8	Dept. of Maths/Statistics, Federal University of Technology Minna, Niger State, Nigeria	July 2008 to Oct. 2010	Senior Lecturer
9	Dept. of Maths/Statistics, Federal University of Technology Minna, Niger State, Nigeria,	2010 – 2013	Associate Professor
10	Dept. of Mathematics, Federal University of Technology, Minna, Niger State, Nigeria,	Oct. 2013 to Date	Professor

4.0 STUDENTS/MANPOWER DEVELOPMENT

4.1 Teaching Responsibility

4.1.1 COURSES TAUGHT AT KADUNA POLYTECHNIC

S/NO	COURSE TITLE	COURSE CODE	SESSION(S)
1.	ND COURSES:		
	i. Algebra and Elementary Trigonometry	MTH 112	
	ii. Trigonometry and Analytical Geometry	MTH 122	1991 – 1993
	iii. Logic and Linear Algebra	MTH 111	& 1996 - 2000
	iv. Calculus	MTH 211	
	v. Business Mathematics	MTH 221	
2.	HND COURSES:		
	i. Advanced Algebra	MTH 311	
	ii. Advanced Calculus	MTH 312	1996 – 2000
	iii. Numerical Methods	MTH 321	& 2003 – 2008
3.	A LEVEL COURSES:		
	i. Algebra		
	ii. Trigonometry		
	iii. Calculus		2005 – 2008
4.	POST HND COURSES:		
	i. Engineering Mathematics I	MTH 501	
	ii. Advanced Engineering Mathematics	MTH 502	1996 – 2000

4.1.2 UNDERGRADUATE COURSES AT THE UNIVERSITY

S/NO	COURSE TITLE	COURSE CODE	CREDIT UNITS	SESSION(S)
------	--------------	-------------	--------------	------------

1	Differential Equations	MAT228	03	2009/2010
2	Vector and Tensors	MAT322	03	2013/2014; 2014/2015;2015/2016;
3	Numerical Analysis	MAT515	03	2013/2014;2014/2015;2015/2016

4.1.3 POSTGRADUATE COURSES:

(In the following order: PGD, M.ENG /M. TECH, PhD)

S/NO	COURSE TITLE	COURSE CODE	CREDIT UNITS	SESSION(S)
1	Ordinary Differential Equations,	MAT628	03	2009/2010; 2010/2011
2	Numerical analysis	MAT615	03	2011/2012; 2012/2013 to date
3	Advanced Numerical Analysis	MAT620	03	2011/2012; 2012/2013;2013/2014 To date
4	Numerical Analysis II	MAT 625	03	2013/2014; 2014/2015 to date

4.2 PROJECT/THESIS SUPERVISION

4.2.1 UNDERGRADUATE PROJECTS

S/N	NAME OF STUDENT	REG NO	THESIS TITLE	SESSION	REMARK
1	Oluwafunmilayo Helen Daso	2004/20335BM	Online-Mortgage system (case study of Aso Savings and Loan Plc)	2009/2010	Completed
2	Ezima Evelyn Ijeoma	2004/20358BM	Secured wireless internet services (case study of Mathematics/Computer Science Dept, FUT Minna)	2009/2010	Completed
3	Haruna Bassi	2004/20345BM	Application of wireless network to population census enumeration (case study of Chanchaga Local Government Area, Minna)	2009/2010	Completed
4	Ayuba Blessing	2004/20346BM	Application of wireless network to population census enumeration (case study of Chanchaga Local Government Area, Minna)	2009/2010	Completed
5	Ibe Joy Aye	2004/20343BM	Automating Runge-Kutta method for solving first order ordinary differential equation	2009/2010	Completed

6	Adams Ayuba Adams	2004/20344BM	Automating Runge-Kutta method for solving first order ordinary differential equation	2009/2010	Completed
7	Kiyesole Surajudeen Daso	2004/20354	Secured wireless internet services (case study of Mathematics/Computer Science Dept, FUT Minna)	2009/2010	Completed
8	Shamsudeen Bello Kalgo	2004/20348	Automated record keeping for Campus Area network (CAN), a case study of FUT Minna	2009/2010	Completed
9	Asogwa Chineonye Favor	2004/20349	Automated record keeping for Campus Area network (CAN), a case study of FUT Minna	2009/2010	Completed

4.2.2 POSTGRADUATE DIPLOMA PROJECTS/THESIS (PGD)

S/N	NAME OF STUDENT	REG NO	THESIS TITLE	SESSION	REMARK
1	Victor O. Iselewa	PGD/MCS/SSSE/2007/1222	Design and Implementation of Computer Networking with Software timer	2009	Completed
2	Ademun, Joel Isaiah	PGD/MCS/SSSE/2007/1230	Development of Computer Based Software for Operations of Federal Ministry of Finance, Abuja	2010	Completed

4.2.3 M.TECH/M.SC

S/N	NAME OF STUDENT	REG NO	THESIS TITLE	SESSION	REMARK
1.	LAWAL,K.O	M.TECH/SPS/2014/5231	Numerical solution of Special Third Order Differential Equation Using Block Hybrid Linear Multistep method	2016/2017	Completed
2.	DAUDU,Y.S	M.TECH/SPS/2014/5229	Block Hybrid Linear Multi Step Methods for solution of Special Second Order ordinary Differential Equations	2016/2017	Completed
3.	ODAGBOYI,P.	M.TECH/SSSE/2008/1891	On the use of linear multistep Technique in constructing some Block Hybrid methods for some	2012/2013	Completed

			second order ordinary differential Equations.		
4.	SALAKO, T.A	M.TECH/SSSE/2008/1978	On the development of some Block Hybrid methods for solving special second order ordinary differential Equations	2012/2013	Completed
5.	SAGIR, A.M	M.TECH/SSSE/2008/1903	Modified Numerov Block Methods for Solving Ordinary Differential Equations	2011/2012	Completed
6.	ODEYEMI, E.O	NDA/PGS/FS/M/182/07	One-Leg Multistep Block Methods for the Numerical Integration of Periodic Second Order Initial Value Problems.	2010/2011	Completed
7.	AJIBADE, M.T. Mrs.	NDA/PGS/FS/M/332/08	A reformulation of some linear multistep methods(LMM) into the Runge -Kutta Type (RKT) methods for the solution of ODEs	2010/2011	Completed
8.	SOLADOYE S. O.	NDA/PGS/FS/M/495	Some finite difference approximation methods for the solution of third order.	2010/2011	Completed
9.	IDRIS, Laminu	M.TECH/SSSE/2007/1719	Towards Effective implementation of Milne's method and its Hybrid form	2010/2011	Completed
8.	MUHAMMAD, Raihanatu	M.TECH/SSSE/2007/1613	Some Hybrid Backward Differentiation Formulae (HBDF) for Block Solution of Ordinary Differential Equations	2010/2011	Completed
10.	MOHAMMED, U	M.TECH/SSSE/2007/1658	Construction of some blocks hybrid methods for Numerical integration of Ordinary differential equations.	2009/2010	Completed
		COSUPERVISION			
1	IYEME, E. E.	M.TECH/SSSE/2010/2679	Mathematical Analysis of an Advection-Dispersion Contaminant Problem with a Continuous Type Point Reactant	2012/2013	Completed

2	IKPAKYEGH, L.N	M.TECH/SSSE/2010/2488	A Mathematical Model of Prey-Predator Interaction Dynamics	2012/2013	Completed
3	KINSEGLY, Udeoji	M.TECH/SSSE/2010/2741	Variational Iteration method for the Solution Of Integro-differential equations arising from Linear expansitivity of Metallic string	2012/2013	Completed

4.2.4 Ph. D

S/N	NAME OF STUDENT	REG NO	THESIS TITLE	SESSION	REMARK
1	BADMUS, A. M	NDA/PGS/FS/P/33 1/08	Derivation of Block Multi-step Collocation Methods for the Direct Solution of Second and Third Order Initial value problems	2012/2013	Completed
2	ADENIRA, Z. A. (Mrs)	NDA/PGS/FS/P/48 8/09	Some Reformulated Block Implicit Linear Multi-step Methods into Runge-Kutta Type Method for Initial Value Problems of General Second and Third Orders ODEs	2013/2014	Completed
3	AGAM, S. A.	NDA/PGS/FS/P/ 044/05	Singly and Multiply Implicit Runge-Kutta Type methods for The solution of First, Second and Third Order Ordinary differential equations .	2014/2015	Completed
4	MUHAMMAD, Raihanatu	Ph.D/SSSE/2011/384	Construction and Implementation of Some Block Implicit Linear Multistep Method into Runge-Kutta for Solution Of Ordinary Differential Equation of Initial Value Problems	2015/2016	Completed
5	TIJANI, Asabe Ahmad	Ph.D/SSSE/2012/410	Reformulation Of Adams Moulton Type Methods Into Runge-Kutta Type Methods For Solution Of First And Second Order Ordinary differential equations	2015/2016	Completed
6	AUDU, Khadeejah James	Ph.D/SPS/2017/913	An Extended Parameterized Accelerated over-relaxation	2020/2021	Completed

			Iterative Method With Refinement For Linear Systems		
COSUPERVISION					
1	MUNDI, B. I.	Ph.D/SSSE/2006/173	Radiative mixed convection Magneto hydrodynamic(MHD) heat flow over a vertical plate with internal heat generation and convective boundary conditions	2011/2012	Completed
2	LANLEGE D. I.	Ph.D/SSSE/2008/263	The Iris Image Biometric Feature Segmentation Using Multiscale Methodology	2013/2014	Completed
3	COLE, A. T.	Ph.D/SSSE/2006/466	A Modified Variational Iteration Method For Solving Boundary Value Problems	2013/2014	Completed

5. ADMINISTRATIVE RESPONSIBILITIES;

5.1 DEPARTMENT

S/NO	TYPE OF RESPONSIBILITY	SESSION(S)
1	Postgraduate Coordinator	2008/2009 2009/2010
2	Supervisor to Course (Algebra & Trig) MTH. 111	2008/2009.
3	Supervisor to Course (Differential Eqns.) MTH. 228,	2009/2010

5.2 SCHOOL

S/NO	TYPE OF RESPONSIBILITY	SESSION(S)
1.	Deputy Dean School of Science & Science Education (SSSE)	2009/2010 2010/2011
2.	Congregation Representative at Senate for SSSE	2009/2010 2010/2011
3.	Chairman, School of Science & Science Education, Postgraduate Committee.	2009/2010 2010/2011

5.3 UNIVERSITY

S/NO	TYPE OF RESPONSIBILITY	SESSION(S)
1.	Deputy Director, Academic Planning Unit	2012 to April 2015
2.	Director, Academic Planning Unit	May 2015 to Feb 2020

6. COMMUNITY AND SPECIAL SERVICES

6.1 COMMUNITY SERVICE WITHIN THE KADUNA POLYTECHNIC ADMINISTRATION

S/NO	TYPE OF COMMUNITY SERVICE	SESSION(S)
1	Member Pre-ND Mathematics Committee on Examination	1992 to 1994
2	Member College Of Science And Technology Orientation Committee	1994 to 2004
3	Member Academic Programme Implementation Committee(APIC)	1994 to 1996
4	Chairman, Pre-ND Mathematics Committee on Examinations	1996 to 1999
5	Member, Junior Staff Appointment Committee	2007 to 2008
6	Special duties Officer On Academic Matters to Head of department	2005 to 2008
7	Member Departmental Promotion Committee	2005 to 2008
8	Member Departmental examination Committee	2005 to 2008

6.2 COMMUNITY SERVICES WITHIN THE UNIVERSITY

6.2.1 DEPARTMENT

S/NO	TYPE OF COMMUNITY SERVICE	SESSION(S)
1.	A Signatory to Departmental account with FUTMINNA Microfinance Bank	2012/2013 till Date

--	--	--

6.2.2 SCHOOL

S/NO	TYPE OF COMMUNITY SERVICE	SESSION(S)
1.	Chairman , School of Science & Science Education Conference Committee	2009/2010 2010/2011

6.2.3 UNIVERSITY

S/NO	TYPE OF COMMUNITY SERVICE	SESSION(S)
1	PGS, Subcommittee to consider “Cases of postgraduate student seeking transfer from other universities”	2013
2	PGS, subcommittee to consider the Benchmark Minimum Academic Standard for postgraduate programs in the department of Chemical Engineering, Agricultural and Bio resources Engineering and Communication Engineering	2013
3	PGS, subcommittee to consider the professional postgraduate program in Local Government Development and Management from (CHUSD)	2013
4	Task force Committee on National University Accreditation for some SSSE program	2012
5	PGS, subcommittee on reviewing of M. Tech (Urban and Regional Planning) program	2012
6	PGS, subcommittee to review PG prospectus for all postgraduate programs in the University	2013
7	University Committee on Branding FUTMINNA	2014
8	Member, Committee to receive the Federal Government visitation Panel to F.U.T, Minna	2021

6.2.4 COMMUNITY SERVICES OUTSIDE THE UNIVERSITY

S/NO	TYPE OF COMMUNITY SERVICE	YEAR
------	---------------------------	------

1	Technical team for facilities inspection at COBAS, Yelwa Yauri, Kebbi State; College's readiness to run proposed PGD program.	2013
2	Technical team for facility inspection at Crown Polytechnic, Ado-Ekiti.	2012
3	Technical Team for facility inspection at Kano State Polytechnic, School of Technology, Kano.	2012
4	Technical committee on facility inspection at National Centre for Technology Management (NACETEM), Federal Ministry of Science and Technology, O.A.U, Ile Ife	2012
5	Technical committee on facility inspection at National Centre for Technology Management (NACETEM), Federal Ministry of Science and Technology, O.A.U, Ile Ife	2012
6	CHAIRMAN, Committee of Directors of Academic Planning of Nigerian Universities (CODAPNU)	2016 to 2021
7	Technical Committee on facility inspection at Flying Dove Institute, Kwali, Abuja	2017

7. CONSULTANCY SERVICES

S/NO	TYPE OF CONSULTANCY SERVICES	YEAR
1	Niger state MDG on Road Map to poverty alleviation	2013

8. EXTERNAL EXAMINERSHIP/ACADEMIC SUPPORT SERVICES

S/NO	DEPARTMENT AND INSTITUTION	STATUS (OND/HND/ B.TECH/PH.D etc)	YEAR
1	Department of Maths/ Statistics & Comp. Science, Kaduna Polytechnic	National Diploma (ND) & Higher National Diploma (HND) Statistics	2011-2020
2	Mathematical Sciences Department, Federal University, Lokoja.	B. Sc. Maths	2015 – Date
3	Department of Mathematics & Comp. Science, Nigerian Defence Academy, Kaduna	M. Sc. & Ph. D	2010-Date
4	Mathematical Sciences Department, Abubakar Tafawa Balewa University, Bauchi	M. Sc & Ph. D	2017 to 2021

5	Mathematical Sciences Department, Federal University Of Technology, Akure ,Ondo State	M. Sc & Ph. D	2017 to2022
6	Department of Mathematics , University Of Ilorin, Kwara State	M. Sc & Ph. D	2018 to Date
7	Department Of Mathematics, University Of Abuja	M. Sc & Ph. D	2023 to Date

9. EDITORIAL/ACADEMIC SUPPORT SERVICES (EDITORSHIP, MANUSCRIPT REVIEW ETC.)

S/NO	TYPE OF SERVICE	(TITLE OF JOURNAL/BIBLIOGRAPHY/PROCEEDINGS ETC.)	YEAR
1	ASSESSOR	Spectrum Journal (Journal of Kaduna Polytechnic)	1998-2010
2	Chairman, Editorial Board	School of Science & Science Education Conference Proceedings	2009/2010 2010/2011

10. INVOLVEMENT IN NATIONAL/INTERNATIONAL LINKAGES

S/NO	Type of Linkage	Institution/Organization	Year
1	MoU on staff and Student developments	Florida Agricultural And Mechanical University, Tallahassee, Florida, USA.	2016
2	Chairman, FUTMINNA-UNIDO Partnership Steering Committee	United Nations Industrial Development Organizations (UNIDO)	2016

11. MAJOR ACADEMIC CONFERENCES / SEMINARS / WORKSHOPS ATTENDED

11.1 INTERNATIONAL

S/NO	TITLE	VENUE	YEAR
1	5 th Conference in Numerical Analysis (NumAn2012)	Conference center “Karolos Papoulias” University of Ioannina Greece.	2012
2	Association Of African Universities 13 th General Conference	Libreville, Gabon	2013
3	Conference Of Rectors, Vice Chancellors & President Of African Universities. (COREVIP)	Kigali, Rwanda	2015

4	Conference Of Rectors, Vice Chancellors & President Of African Universities. (COREVIP)	Cairo,Egypt	2019
5	Association Of West African Universities(AWAU)	Universite D'Abomey-Calavi(UAC),Benin Republic	2019

11.2 NATIONAL

S/NO	TITLE	VENUE	YEAR
1	ACADEMIC PLANNING IN THE DIGITAL ERA: Challenges and Opportunities	National Universities Commission (NUC) Abuja, Nigeria	11 th -14 th December,2022
2	Developing Workable strategic plan:The role of Academic Planners and Quality assurance Officers for a smooth university administration	National Universities Commission (NUC) Abuja, Nigeria	2 nd -6 th , December2019
3	'FRSC Drivers Training' Programme , Organized by the department of Training ,Minna	Senate Chambers FUTMINNA, Main Campus, Niger state	21 st Nov. to 22 nd Nov.2016
4	Instructional Leadership Actions towards Institutional Effectiveness organized by the Quality Assurance and Productivity Unit, FUT Minna	Senate Chambers	7 th – 9 th November, 2016
5	Management and Administrative Processes organized by Quality Assurance and Productivity Unit, FUT Minna	Senate Chambers	12 th -13 th January, 2016
6	Attitude & Organizational Growth, by Guarantee Images Communication Ltd, Lagos	Caverton Hall, SAAT, FUTMINNA	2015
7	8 th PAN AFRICAN CONGRESS OF MATHEMATICIANS (PACOM)	National Mathematical Centre Abuja-Nigeria	2013
8	A 3-day Workshop on the Application Of Nigerian University System Management Portal (NUSMAP)	SICT Computer Laboratories Main Campus FUT Minna	2013
9	Tet fund Capacity Building Workshop On The Development Of 5-Year Strategic Plan and 2 Year. Operational Plan By Benefiting Institution,	Kaduna	2012

10	Nigerian Universities Research And Development Fair (NURESDEF)	University Gymnasium, Main Campus FUT Minna	2012
11	The Mathematical Association Of Nigeria (MAN) 49 th Annual National Conference,	National Mathematical Centre, Abuja	2012
12	30 th Annual conference of the Nigerian Mathematical Society (NMS)	FUT, Minna ,Niger State.	2011
13	31 st Annual conference of the Nigerian Mathematical Society (NMS)	Ahmadu Bello University, Zaria	2012
14	Mathematical Association Of Nigerian Conference(M.A.N)	Federal Polytechnic Ado-Ekiti, Ekiti State	2011
15	Mathematical Association Of Nigerian (M.A.N) 48 th Annual National Conference	Gusau, Zamfara	2008
16	UNESCO-NIGERIA TVE PROJECT. In collaboration with ALKANET LIMITED, training on MS Powerpoint presentation for E-Lectures	Kaduna Polytechnic	December 11 – 13, 2006
17	Workshop on Linear and Non-Linear Analysis in Engineering and Science	National Mathematical Centre, Abuja	August 29 – September 25, 1999
18	Foundation Postgraduate Course on the Methods and Applications of Optimal Control Theory.	National Mathematical Centre, Abuja	October 10 – November 6, 1999

12. MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS / BODIES / INSTITUTES

S/NO	NAME OF PROFESSIONAL ASSOCIATION
1	Mathematical Association of Nigeria(M.A.N), Member
2	Nigerian Mathematical Society(N.M.S), Member
3	Nigerian Statistical Association(N.S.A),Member
4	Nigerian Association of Mathematical Physics (NAMP)

13. PROJECT/THESIS OF THE APPLICANT (In the following order: B.Sc./PGD/M.Sc/Ph.D)

S/NO	TITLE OF PROJECT/THESIS	YEAR
1	On Beams Subjected to Moving Forces (Effect Of Damping On Transverse Deflection)	1989
2	An Off-grid Finite Difference Method For Two-point Boundary Value Problem	1997
3	Some Theories and Application of Continuous Linear Multistep Methods for Ordinary Differential Equations	2005

14. PUBLICATIONS

14.1A. Yahaya.Y.A(2021)The 81st inaugural lecture of the university titled “*Driving a Car without a Dashboard, Your Opinion Is Yours!*”

14.1 JOURNALS (My name in bold face)

International

1. Khadeejah James Audu, **Yusuph Amuda Yahaya**, Rufus Kayode Adeboye and Usman Yusuf Abubakar (2021a). Convergence Of Tripple Accelerated Over Relaxation (TAOR) Method for M-Matrix Linear Systems. Iranian Journal Of Optimization, Islamic Azad University, Rashi Branch.ISSN 2588-5723, E-ISSN-2008-5427. Vol.13,Issue2,PP93-101
2. Audu. K.J, **Yahaya, Y.A.**, Adeboye. K.R., & Abubakar.U.Y.(2021b). Refinement Of Extended Accelerated Over relaxation Method For Solution of Linear Systems. Nigerian Annals of Pure and Applied Sciences (NAPAS) 4, (1);, pp.51-61

3. K.O. Lawal, **Y.A. Yahaya**, S.D. Yakubu(2018).Four-Step Block Method For Solving Third Order Ordinary differential Equation. International journal of Mathematics Trends and Technology (IJMTT)ISSN:2231-5373.<http://www.ijmttjournal.org>,vol.57 Issue5
4. D. O. Oyewola, D. Hakimi, **Y. Yahaya**, G. Bolarin, M.D. Sheu (2017). Portfolio Selection Of Health Care and Oil and Gas Sector By The Means Of Genetic Algorithms Based On Population and Survival Of The Fittest. International Journal Of Applied Mathematics, Electronic And Computers. ISSN 2147-8228 www.atscience.org/IJAMEC.29-32.
5. Hakimi. D.; Oyewola, D.O.; **Yahaya. Y** ; G. Bolarin (2016).Comparative Analysis Of Genetic Crossover Operators in Knapsack Problem. JASEM ISSN 1119-8362 J.Appl.Sci.Enviroin.Manage.Vol.20(3).593-596 www.ajol.info and www.bioline.org.br/ja
6. David Oyewola,Danladi Hakimi, **Amuda Yusuph Yahaya** and Gbolahan Bolarin(2016).Performance Of Population size on Knapsack Problem. NTMSCI 4., No.4,253-258. New Trends In Mathematical Sciences. <http://dx.doi.org/10.20582/ntmsci.2016.111>
7. **Y. A. Yahaya** and Asabe A. Tijjani (2016). A Block Hybrid Implicit Algorithms for solution of First Order Differential Equations. British Journal of Mathematics and Computer Science. 13(3):1-9, 2016. Article No. BJMCS.19682. ISSN: 2231-0851. www.sciencedomain.org
8. Muhammad R ., **Y.A. Yahaya** and A. S. Abdulkareem (2015). Reformulation of Block Implicit Linear Multistep Method into Runge- Kutta Type Method For Initial Value Problem. International journal of science and Technology. Vol. 4 No. 4 pp190-198 ISSN 2049-7318
9. Muhammad R., **Y. A. Yahaya** and A. S. Abdulkareem (2015). Error and Convergence Analysis of a Hybrid Runge-Kutta Type method. International Journal of Science and Technology (IJST), Vol. 4, pp 164-168. ISSN 2049-7318

10. Muhammad R., **Y. A. Yahaya** and A. S. Abdulkareem (2015). Formulation of a Standard Runge-Kutta type method for the solution of first and second order Initial Value Problem. Research Journal of Mathematics. Vol. 2, No. 3; ISSN 2349-5373; pp 1-10, researchjournali.com, Excluse Journal Publishing
11. D. O. Oyewola, D. Hakimi, **Y. Yahaya** and G. Bolarin (2015). Langrangian-Dual and Sensitivity Analysis in Portfolio selection. African Journal of Computing and ICT, Vol. 8 No.2, Issue 2, pp 137-144. ISSN 2006-1781. www.ajocict.net
12. .Muhammad. R, **Yahaya. Y.A** And Idris. L. (2014). Derivation and Analysis of block Implicit Hybrid Backward differentiation Formulae for stiff problems. Nigerian Journal of Mathematics And Applications, Volume 23,(2014),49-57,. <http://www.kwsman.com>
13. A.M. Badmus, **Y.A. Yahaya** and A.O. Subair (2014). Implicit Stomer Cowell k-Step Hybrid Block Methods for Solution of first Order Ordinary Differential Equations (ODEs). International Journal of Applied Mathematical Research. 3(4) (2014). Pp464-472. www.sciencepubco.com/index.php/IJAMR
14. Agam S. A. and **Y. A. Yahaya** (2014). A new three stage implicit Runge-Kutta type method with error estimation for first order ordinary differential equations. 1(1), 19-25, www.scienceandtechnologyjournal.org/indianinternational.htm
15. S.A. Agam and **Y. A. Yahaya** (2014). A highly efficient implicit Runge-Kutta method for first order ordinary differential equations. African Journal of Mathematics and Computer Science Research. Vol.7(5), PP.55-60. <http://www.academicjournals.org/AJMCSR>
16. **Y.A. Yahaya** and A. M. Badmus (2014). New Algorithm of Obtaining Order and Error Constants of Third Order Linear Multistep Method (LMM).Asian Journal of Fuzzy and Applied Mathematics (ISSN:2321-564X).Vol.2, (6) <http://www.ajouronline.com>

17. **Y. A. Yahaya** and A. M. Sagir (2013). An Order Five Implicit 3 – Step Block Method for Solving Ordinary Differential Equations. Pacific Journal of Science and Technology. Volume 14. Number 1. Pp176-181. <http://www.akamaiuniversity.us/PJST.htm>
18. Adeboye K. R., **Y. A. Yahaya** and Lanlege D. I. (2013). Effective Way Of Noise Smoothing During Image Processing Using Multi-Scale Proportional Integral Derivative (PID) Filter Controller. Journal of Science & Multidisciplinary Research Vol.2 (2), Pp 17-24. <http://www.irjset.com>
19. **Y. A. Yahaya** and Z. A. Adegboye (2013). Derivation of an Implicit 4-Point Block Runge-Kutta for Direct Integration of Third Order IVPs and BVPs in ODEs using the Quade's Type Multistep Method. International Journal of Science and Technology Volume 2 No. 3pp259-268. Online @ <http://www.journalofsciences-technology.org>
20. **Y.A. Yahaya** and A. M. Sagir (2013). Accurate and Efficient Implementation of Block Hybrid Method for Solving Special Second Order Ordinary Differential Equations. International Journal of Mathematics and Computation, Volume 21, Issue 4, pp. 15 – 22. Online @ <http://www.ceser.in/ijmc.html>
21. **Y.A. Yahaya** and Z.A. Adegboye (2012). Construction and Implementation of a 4 – Step Implicit Collocation Method for Solution of First and Second Order ODEs. Pacific Journal of Science and Technology, Volume 13, Number 2, pp. 159 – 165, Online @ <http://www.akamaiuniversity.us/PJST.htm>
22. Mohammad R. and **Yahaya Y. A.** (2012). A Six Order Implicit Hybrid Backward Differentiation Formulae (HBDF) for Block Solution of Ordinary Differential Equations. American Journal of Mathematics and Statistics, Vol. 2(4), pp 89 – 94, Online @ <http://www.sapub.org/journal/achieve.aspx>
23. **Y. A. Yahaya** and Z. A. Adegboye (2012). Reformulation of Runge – Kutta Method into Linear Multistep Method for Error and Convergence Analysis. Pacific Journal of Science

and Technology, Volume 13, Number 1, pp 238 – 243, Online @ <http://www.akamaiuniversity.us/PJST.htm>

24. Umar MOHAMMED and **Yusuph Amuda YAHAYA** (2010). Fully Implicit Four Point Block Backward Difference Formulae for solving First Order Initial Value Problems. Leonardo Journal of Sciences, Volume 9, Issue 16, pp 21 – 30, Online @ <http://ijs.academicdirect.org/>
25. **Y. A. Yahaya** (2009). Improved Parallel Methods for Second order ODEs. Pacific Journal of Science and Technology Vol.10, Number2 PP 235-242, Online @ <http://www.akamaiuniversity.us/PJST.htm>
26. A. M. Badmus and **Y. A. Yahaya** (2009). An Accurate Uniform Order 6 Block Method for Direct Solution of General Second order Ordinary Differential Equations. Pacific Journal of Science and Technology Vol.10, Number2 PP 248-254, Online @ <http://www.akamaiuniversity.us/PJST.htm>
27. **Y. A. Yahaya** and A. M. Badmus (2009). A Class of Collocation Methods for general Second order Differential Equations. African Journal of Mathematics and Computer Science Research, Vol.2(4), PP 069-072, Online @ <http://www.academicjournals.org/AJMCR>
28. B. T. Olabode and **Y. Yusuph** (2009). A New Block Method for Special Third Order Ordinary Differential Equations. Journal of mathematics and statistics, Volume 5, Issue 3, pp 167 – 170, Online @ <http://thescipub.com/html/10.3844/jmssp.2009.167.17>
29. S. O. Adey, P. Onumanyi, U.W. Sirisena, **Y. A. Yahaya** (2005). Note on starting the Runge-Kutta method more accurately by a Hybrid formula of order four for an initial-value problems Journal of Computational and Applied Mathematics 175, PP 369 – 373. Online @ <http://www.sciencedirect.com>

National

30. **Yahaya Y.A** ,Odeyemi ,A.O and Audu .K.J (2021a).Block Method Approach for Computation Of Errors Of Some Adams Class Of Methods. Nigerian Journal Of Physics.<https://www.nipngn.org>, NJP Volume 31(2). PP 66-77
31. S. D.Yakubu, **Y.A. Yahaya** and K.O. Lawal(2021).3-Step Block Hybrid linear Multistep Methods For Solution Special Second Order Ordinary Differential Equations. Journal Of the Nigerian Mathematical Society, Vol.40 Issue 2, PP.149-160
32. Audu. K.J, **Yahaya, Y.A.**, Adeboye. K.R., & Abubakar.U.Y.(2021a). Extended Accelerated Over relaxation(EAOR) Method For Solution of a large and sparse Linear Systems. Journal of Science, Technology, Mathematics and Education (JOSTMED).17,(1); , pp.228-236
33. Z. A. Adegboye, **Y.A. Yahaya** And U. I. Ahmed (2020). Direct Integration Of General Fourth Order Ordinary Differential Equations Using Fifth Order Runge-Kutta Method. Journal of the Nigerian Mathematical Society. Vol. 39, Issue 1, pp. 69-78
34. Audu. K.J, **Yahaya, Y.A.**, Adeboye. K.R., Abubakar U.Y., & Ndanusa, A.(2020).Triple Accelerated Over relaxation Method For System Of Linear Equations. Journal of Science, Technology, Mathematics and Education (JOSTMED).16,(2) June2020, pp.137-146
35. Z. A. Adegboye, **Y.A. Yahaya** And U. I. Ahmed (2020). Direct Integration Of General Fourth Order Ordinary Differential Equations Using Fifth Order Runge-Kutta Method. Journal of the Nigerian Mathematical Society .Vol. 39, Issue 1, pp. 69-78
36. Oyubu,J.P.,Olayiwola, R.O., **Yahaya, Y.A.** & Cole,A.T(2020). Modelling And Simulation Of In-situ Combustion Of Oil Shale As Enhanced Oil Recovery Technique in Porous Media. Journal of Science, Technology, Mathematics and Education (JOSTMED).16,(2) June2020, pp. 116-136

37. Audu. K.J, **Yahaya, Y.A.**, Adeboye. K.R., Abubakar U.Y., & Ndanusa, A.(2020).Triple Accelerated Over relaxation Method For System Of Linear Equations. Journal of Science, Technology, Mathematics and Education (JOSTMED).16, (2) June2020, pp.137-146
38. S. D.Yakubu, **Y.A. Yahaya** and K.O. Lawal(2018).3-Step Block Hybrid linear Multistep Methods For Solution Special Second Order Ordinary Differential Equations. Transactions Of the Nigerian Association Of Mathematical Physics Vol.6PP1-10
39. **Y.A. Yahaya** and Z. A. Adegboye (2013). Derivation of an Implicit six-stage Block Runge-Kutta Type Method for Direct Integration of BVPs in Second Order ODEs using the Quade –Type Multistep methods. Abacus, Journal of the Mathematical Association of Nigeria. Volume 40, Number 2 Mathematics series pp 123-132.
40. S. O. Soladoye and **Y. A. Yahaya** (2013). An Application of Block Finite Difference Method For Boundary Value Problems Of Third Order Ordinary Differential Equations. Journal of the Nigerian Association of Mathematical Physics. Volume 23, pp 109-112
41. **Y.A. Yahaya** and Z. A. Adegboye (2013). Convergence and Stability Analysis of a Symmetric Implicit Runge-Kutta Method for Direct Integration of First, Second and Third Order ODEs. Journal of the Nigerian Association of Mathematical Physics. Volume 23, pp 517-524.
42. **Y.A. Yahaya** and Z. A. Adegboye (2012). formulation of a symmetric Implicit Super Runge – Kutta Nystrom Method for the Integration of Third Order ODEs . Journal of the Nigerian Association of Mathematical Physics. Volume 22, pp. 425 – 430
43. **Yahaya Y. A.** and Adegboye Z. A. (2011). Reformulation of Quade`s type four-step block hybrid multistep method into runge-kutta method for solution of first and second order ODEs. Abacus , Journal of the Mathematical Association of Nigeria .Vol 38, No. 2 Mathematics SERIES pp 114-124

- 44. Y. A. Yahaya** and U. Mohammed (2011). Fully implicit three-point Backward differentiation formulae for solution of first order initial value problems , International Journal of Numerical Mathematics(IJNM), Vol.6 No.1 PP. 16 – 30
- 45. Y. A. Yahaya**, Sokoto A. M. and Shaba. M. (2010). Towards an efficient Computational treatment of Block Hybrid Adams-moulton methods for the solution of first order initial value problems in ODEs. International journal of Numerical Mathematics (IJNM) Vol. 5 No. 2 PP 266 - 276
- 46. Y.A. Yahaya** and Umar Mohammed (2010). A 5-Step Block Method for Special Second Order Differential Equations. Journal of the Nigerian Mathematical Society (JNMS). Vol. 29 pp113-126.
- 47 Y. A. Yahaya** and Umar Mohammed (2010). A family of implicit 4-step block Hybrid Collocation method for accurate and efficient solution of ODEs, Nigerian Journal of Mathematics and Applications. Vol. 20 pp43-52.
- 48 Y.A. Yahaya** and Sokoto A. M. (2010). A Four Step Hybrid Adams – Moulton Methods for the Solution of First Order Initial Value Problems in ODEs. Journal of the Nigerian Association of Mathematical Physics. Volume 16, ISSN 1116 – 4336 pp. 277 – 282
- 49 Z. A. Adegboye** and **Y. A. Yahaya** (2009). A 4- Step Implicit Collocation Method for Solving Special third Order Initial Value Problems . Journal of Research in Bioscience. Volume 5 Number3, ISSN 1597 – 801X7 pp. 9 – 15
- 50 BADMUS A. M.** and **Y.A. Yahaya** (2009). Some multi Derivative Hybrid block methods for direct solution of General third order ordinary differential equations .Nigerian Journal Of Scientific Research(NJSR) Vol.8 (ISSN-0794-0319) PP103-108
- 51 Y. A. Yahaya** and A. M. Badmus (2009). Efficient 4 – Step Block Method for Direct Solution of General Second Order Ordinary Differential Equations. International Journal of Mathematical Science. Volume 1, Number 1, pp.49 – 54 .

- 52 Y. A. Yahaya** and A. M. Badmus (2008). A 3-Step Hybrid Collocation Methods for Solution of special third order Initial Value problems . International Journal of Numerical Mathematics (IJNM), Vol.3 No.2 PP306-314.
- 53 Y. A. Yahaya**, D. A. Daramola and S.O. Adee (2007). Construction of two-step Hybrid Methods with continuous coefficients for the solution of certain second order ODEs. Abacus, Journal of the Mathematical Association of Nigeria Vol 34, No. 2A Mathematics SERIES pp 1-10
- 54 Y. A. Yahaya** and Z. A. Adegboye (2007). A new Quade's type four-step block hybrid multi-step method for accurate and efficient parallel solution of ODEs. .Abacus, Journal of the Mathematical Association of Nigeria. Vol 34, No. 2B Mathematics SERIES pp 271-27
- 55 A.Y. Yahaya** (2007). A note on the construction of Numerov Method through a quadratic continuous polynomial for the Solution of General Second order Differential Equations. Journal of the Nigerian Association of Mathematical Physics (J.of NAMP) Vol.11, PP253-260.
- 56 Y.A. Yahaya** and G. M. Kumleng (2007). Construction of two-step Simpson type Method with large region of absolute stability. Journal of the Nigerian Association of Mathematical Physics (J.of NAMP) Vol.11, PP261-268.
- 57 Y. A. Yahaya**, E. J. D. Garba and A. M. Badmus (2006). A P-stable Hybrid Order four Integrator for the solution of $y'' = f(x, y)$. Abacus, the Journal of the Mathematical Assoc. of Nigeria, Vol. 33, No. 2B Maths. Series,PP266-273
- 58 Sirisena, U.W., Kumleng, G. M. and Yahaya Y. A** (2004). A New Butcher Type Two-Step Block Hybrid Multi-step Method for accurate and Efficient Parallel Solution of ODEs.

Abacus, the Journal of the Mathematical Association of Nigeria, Vol. 31 Number 2A
Mathematics Series, PP 1-7

- 59** **Yusuph Y.** and Onumanyi P. (2002). New Multiple FDMs through multi-step collocation for $y'' = f(x, y)$ Abacus, the Journal of the Mathematical Association of Nigeria, (MAN) Vol. 29 Number 2, Mathematics Series, PP 92-100.
- 60** **Y. A. Yahaya** and Umar Mohammed (2009). A reformulation of implicit five-step backward differentiation formulae in continuous form for solution of first order initial value problem, Journal of General Studies (JOG) . Vol 1, No. 2, pp134-144.
- 61** **Yahaya Y. A.** and P. Onumanyi (1997). A symmetric Hybrid Finite Difference Scheme with Continuous Coefficient And its Applications. Spectrum Journal Of Kaduna Polytechnic, Vol.4, Nos 1&2 PP 198-205 (ISSN117-3939)

State

14.2 CONFERENCE PROCEEDINGS

International

National

1. P. Onumanyi, U.W. Sirisena, J.P. Chollom, **Y.A. Yahaya** and Yusuf Skwame (2005). New Multivalued Multistep Implicit RKMs Based on AML Collocation Points For Stiff Ordinary Differential Equations. Proceedings Of the National Mathematical Centre, Abuja.
2. Muhammad R., Yahaya Y. A. and A. S. Abdulkareem (2015). An Implicit Runge-Kutta type method for the solution of the Initial Value Problems. 34th Annual Conference of the NMS, University of Lagos, Nigeria. PP 42
3. **Y.A. Yahaya** and Z. A. Adegboye (2013). Modification of Simpson's Block Hybrid Multistep Method for General Second Order ODEs. Proceedings of the 2013 Annual National Conference of the Mathematical Association of Nigeria (MAN) pp 115-122.

4. **Y.A. Yahaya** and Z. A. Adegboye (2011)
Construction and implementation of a two Step Reformulated Block Implicit Linear Multistep Method into Runge – Kutta Method for Initial Value Problems of General Second Order Ordinary Differential Equations. 48th Annual National Conference of the Mathematical Association of Nigeria (MAN), Sept. 2011, pp.38 – 47
5. **Yahaya Y. A** and Adegboye Z. A (2008): A Family of 4-Step Block Methods for Special Second Order in Ordinary Differential Equations. Book of proceedings of Annual National Conference Of (M.A.N) eds. J. S. Sadiku, ISBN: 97-35224-6-9 PP23-32.

State

6. **Y.A. Yahaya** and Ajibade, M. T. (2010). A Reformulation of a Two-step Hybrid Linear Multistep Method(LMM) into a 3-stage Runge – Kutta Type(RKT) Method for Solution Of ODEs. 4th Annual National Conference of the School of Science and Science Education (SSSE), Federal University Of Technology Minna,4th-6th November. 2010, pp.193 – 198
7. **Y.A. Yahaya** and E. O. Odeyemi (2010). One- Leg Multistep Block Methods for the Numerical Integration Of Periodic Second Order Initial Value Problems . 4th Annual National Conference of the School of Science and Science Education (SSSE), Federal University Of Technology Minna,4th-6th November. 2010, pp.217 – 226
8. Akaolisa, C.C.Z., **Yahaya Y. A.** and Ani C.D. (1997). The Reducibility Of Matrix Representation Of Finite Groups .Book OF Proceedings NSTF, CST, Kaduna Polytechnic ISBN978-3185-2-1,PP146-154
9. Badaru M.A and **Yahaya Y.A.** (1998). A Continuous Method Of Lines(MOL) Technique for Numerical Integration Of Partial Differential Equations(PDES).Book Of Proceedings NSTF,CST Kadpoly ISSN 1595-0301 PP323-336 (ISBN 987-041740-1)

14.3 CONFERENCE PAPERS.

1. **Y.A. Yahaya** and Z. A. Adegboye (2013). Super Runge-Kutta Nystrom method for direct integration of third order ordinary differential equations. 8th pan African congress of mathematicians(PACOM)June 30th-July8th ,2013,Abuja,Nigeria
2. **Y.A. Yahaya** and Z. A. Adegboye (2012). Derivation of an Implicit 4 – Point Block Runge – Kutta Method for Direction Integration of Second Order BVP_s in ODE_s Using the Quade’s Type Multistep Method. 49th Annual National Conference of the Mathematical Association of Nigeria (MAN), 2nd -7th Sept. 2012.
3. **Y.A. Yahaya** and A. M. Badmus (2012). High – Order Block Method for Direct Solution of General Second Order Ordinary Differential Equations. 31st Annual Conference of the Nigerian Mathematical Society (NMS), 2nd -4th October, 2012.
4. **Two-Step multistep collocation methods with continuous coefficient for the Block Solution of Special second order ODEs**, presented at the Conference in Computational Mathematics and Applications, National Mathematical Centre, Abuja, August 31st – September 1st 2001.
5. **A Continuous Linear multistep method for Improved Performance in the Block Solutions of ordinary Differential Equations**, presented at the Conference in Computational Mathematics and Applications, National Mathematical Centre, Abuja, August 31st – September 1st, 2001.
6. 43rd Annual Conference of the Mathematical Association of Nigeria (MAN) 28th August – 1st September, 2006, ATBU, Bauchi “**A sixth order Symmetric Integrator for Parrallel Solution of Special Second Order Ordinary Differential Equations of the form $y'' = f(x,y)$** ”.

7. Recent Numerical Methods for solving Differential Equations Organised by NMC, Abuja, on the 28th February, 2005. **Higher Order Symmetric Integrators For Block Solution of Special Second Order ODEs of Form $y'' = f(x,y)$.**
8. Conference in Computational Mathematics and Applications August 31st to 1st September, 2001, National Mathematical Centre, Abuja. **Two-step Multi-Step collocation Methods with continuous Coefficient for the Block Solution of special Second Order ODEs.**
9. 19th annual Conference 31st May – 3rd June, 2000, University of Jos, Nigeria. **Block Hybrid collocation/FD Methods for Ordinary Differential Equations.** Nigeria Mathematical Society (NMS).
10. 3rd National Science and Technology Forum. 17th – 19th November, 1998, Kaduna Polytechnic, Kaduna. **A Continuous Method of Lines (MoL) Techniques for the Numerical Integration of Partial Differential Equation (PDES).**
11. 35th Annual Conference of Mathematics Association of Nigeria, 31st August – 5th September, 1998. University of Jos, Nigeria (i) **Second Vertical Derivative of Potential Field Using an Adaptation of Spline Theory.** (ii) **Mathematics: A Universal Language.**
12. 1st Annual Conference of Nigeria Institute of Physics (NIP), Kaduna State Chapter, 2nd – 3rd April, 1997. Held at Kaduna Polytechnic. **Mathematics: A tool for Learning Physics.**
13. 2nd National Science and Technology Forum 25th – 26th November, 1997. Kaduna Polytechnic, Kaduna. **The Reducibility of Matrix Presentation of finite Groups.**
14. 1st National Science and Technology Forum 18th – 19th July, 1996. Held at Kaduna Polytechnic, Kaduna. **Problems and Prospects of mathematics Teaching and Learning in Polytechnic.**
15. 32nd Annual Conference of Mathematics Association of Nigeria, 28th August – 1st September, 1995, Kaduna Polytechnic, Kaduna, Nigeria. **Beans Subjected to Moving Forces Effect of Damping on the Traverse Deflection.**

15. EXTRA-CURRICULAR ACTIVITIES: *Lateral thinking*



SIGNATURE OF APPLICANT

2nd July, 2023

DATE

16. Names and Addresses of three (3) referees:

- i. **Professor Faruk Adamu Kutta**
Vice –Chancellor,
Federal university Of Technology Minna
Niger state, Nigeria
- ii. **Professor M. S. Audu**
Mathematics Department University Of Jos,
Plateau State, Nigeria.
- iii. **Prof. M. D. Sheu**
Head, Mathematics Department, School Of Physical Sciences
F.U.T Minna
Niger State, Nigeria.

15. EXTRA-CURRICULAR ACTIVITIES: *Lateral thinking*

SIGNATURE OF APPLICANT

2nd July, 2023

DATE

16. Names and Addresses of three (3) referees:

i. Professor Faruk Adamu Kutta

Vice –Chancellor,
Federal university Of Technology Minna
Niger state, Nigeria

ii. Professor M. S. Audu

Mathematics Department University Of Jos,
Plateau State, Nigeria.

iii. Prof. M. D. Sheu

Head, Mathematics Department, School Of Physical Sciences
F.U.T Minna
Niger State, Nigeria.