

MY CV

Name: Arun S. Muktibodh

Designation : Associate Professor.

Position : HOD, Department of Mathematics,
Shri. Mathuradas Mohota College of Science,
Umred Road,
Nagpur -440009
India.

Educational Qualifications: H.S.S.C., 1973. Maharashtra State Board of
Sec. Edn. Pune, India.

B.Sc. Nagpur University, 1976.

M.Sc. (Mathematics), Nagpur University, 1979.

M.Phil. (Mathematics), Nagpur University, 1983.

Ph.D. (Mathematics) ('A study of Camina Groups'), Nagpur University,
Dec. 2011.

B.A. (English Literature), Nagpur University, 1980 .

Date of Appointment : 12.12.1986.

Date of Confirmation : 12.12.1988.

Teaching History:

1) Worked as Junior college Teacher in Mathematics for 4 years at
Patwardhan H.S. and Junior College, Nagpur.

2) Working as undergraduate teacher of Mathematics for last 29 years (recently also working as a post graduate teacher of Mathematics} and HOD of Mathematics for the last 8 years at Shri. M.Mohota College of Science, Umred Road, Nagpur.

Teaching Experience: 33 years.

Memberships

- 1) Ex- President, Nagpur University Mathematics Teachers' Association (NUMTA).
- 2) Associate Editor: 'NUMTA BULLETIN' a research bulletin published annually by NUMTA.
- 3) Life member of Indian Mathematical Society.
- 4) Life member of 'Marathwada Mathematical Society'.
- 5) Member of 'Group Pub Forum'.

- 6) Member of 'GAP FORUM'.

Mathematical Interests : 'Group Theory' and 'Abstract Algebra', Smarandache Notions and Isomathematics.

Research Publications

- A) **24 papers (21 International + 3 National) and 1 open problem published in the International Journals, and 5 sequences in 'Encyclopedia of Integer Sequences.'**

Published Papers

- 1) A.S.Muktibodh, "Generalized Con-Cos groups", "Advances in Algebra", 434-441, proceedings of the ICM2002 **Satellite Conference on Algebras. Hong Kong, 2002.**
- 2) A.S.Muktibodh, "Con-Cos groups" Review Bull., **Calcutta Mathematical Society**, 11,(1& 2) 53-56 (2003).
- 3) A.S.Muktibodh, V.M.Wagh, "Chains of Smarandache semifields", **Smarandache Notions Journal, American Research Press**, vol.14, 35-40, 2004.
- 4) A.S.Muktibodh, A.W.Vyawahare, "Figurate Systems", **Bulletin of Marathwada Mathematical Society,Aurangabad**, Vol-6,No.1,June 2005,12-20.
- 5) A.S.Muktibodh , "Smarandache Quasi-group rings" **Scientia Magna**, p.139 No. 14 vol.2 2005. P.R.China, High American Press.
- 6) A.S.Muktibodh "Smarandache Quasigroups". **Scientia Magna 2006**, 13-19 2006,Vol 2. No.1. P.R.China, High American Press.
- 7) A.S.Muktibodh "Characterization of Frobenius groups of special type" **Mathematical Journal of Okayama University, Japan**, 48(2006), 73- 76.
- 8) A.S.Muktibodh, "Smarandache Semi-quasi near rings". "**Scientia Magna**" Vol.2.No.3, 41-43, 2006. P.R.China, High American Press.
- 9) A.S.Muktibodh "Smarandache sequences of pentagonal numbers". "**Scientia Magna**" Vol.2, No. 3, 2006, 81-87. P.R.China, High American Press.
- 10) A.S.Muktibodh, 'Group Action' **NUMTA BULLETIN**, Vol.1. 61-73, Jan.2007.

- 11) A.S.Muktibodh and others "Sequences of Pyramidal numbers", **Scientia Magna**, Vol. 3 (2007), No.1, 39-45. P.R.China, High American Press.
- 12) A.S.Muktibodh, "Smarandache Mukti-Squares", **Scientia Magna**, Vol.3 (2007), No.1, 102-107. P.R.China, High American Press.
- 13) A.S.Muktibodh, "Halfsubgroups", **International Journal of Mathematical Combinatorics**, Vol.1, 2008, 1-5.
- 14) A.S.Muktibodh and Saurabh Muktibodh and Atul Wankhade "Con-Cos groups and Molecular Symmetry". **International Journal of Pure and Applied Mathematics**,. Vol. 46, 563-568, 2008.
- 15) A.S.Muktibodh, Smarandache Halfgroups, '**International Journal of Mathematical Combinatorics**', Vol 2 (2008), 46-50.
- 16) 'Camina kernels with very few conjugacy classes' Leonardo Cangelmi, A.S.Muktibodh. , **Journal Algebra Discrete Math**, Volume 9, Issue 2, 39-49, (2010), **Ukrain**.
- 17) 'Pseudo-Smarandache Functions of First and Second Kind' A.S.Muktibodh and S.T.Rathod, **International Journal of Mathematical Combinatorics**, Vol.3, 2011, 17-22.
- 18) Some results on Smarandache groupoids H. J. Siamwalla and A. S. Muktibodh : **Scientia Magna, Vol.8 No.3, 2012**.
- 19) 'On Camina Group and its Generalizations', S.H.Ghate and A.S.Muktibodh **Matematicki Vesnik**, 2013, 65, Vol. 2 , 250-260 .
- 20) 'An Introduction to Santill's Isodual Theory of Antimatter and ----- ----' Richard Anderson, A. S. Muktibodh and others. **NUMTA BULLETIN**, 6 (2012-13),1-33.
- 21) 'Foundations of Isomathematics' , American Institute of Physics, AIP Conference Proceedings, Vol. 1558,707, 2013. **Hadronic Journal Hadronic Journal**, 37, 163-177, (2014).

- 22) Iso-Galois Fields' **Hadronic Journal** , issue 2, Vol.36, 225-236, 2013.
- 23) 'Iso-Permutation Group' **CLIFFORD ANALYSIS, CLIFFORD ALGEBRAS AND THEIR APPLICATIONS**, Florida, USA. Vol. 3, Issue 3, 249-259 ,(2014).
- 24) 'Iso-Galois field and Isopermutation Group' By A.S.Muktibodh **Hadronic Journal**, 38, 13-29 (2015).
- 25) 'Near-Simple Groups' **CLIFFORD ANALYSIS, CLIFFORD ALGEBRAS AND THEIR APPLICATIONS**, Florida, USA. Vol.4, No.4, pp 341-344 (2015) by A.S.Muktibodh

B) Open problem on Infinite Camina Groups by A.S Muktibodh, Dr. S. H. Ghaté , published in "Kourovka Notebook-17" of world open problems in group theory published by American Mathematical Society in the issue of 2010.

E) Papers under progress:

- 1) 'Infinite Camina groups'
- 2) 'Automorphisms of Camina Groups'

Mathematical concepts in my name

- 1) **5 Integer sequences** 'The Online Encyclopedia of Integer sequences '.
- 2) '**Smarandache Quasigroups**' Scientia Magna 2006.
- 3) **Smarandache Mukti-Squares (SMS)**. Scientia Magna
- 4) **Iso-Galois Fields.**

5) Isopermutation Group.

Honours: 1) Honoured as ‘Teacher of the year 2009-10’ by Nagpur Shikshan Mandal.

- 2) Chief Guest for Inter-Collegiate Mathematics Quiz Competition for B.Sc. I, II AND III students held on 10th January 2012 at Nabira Mahavidyalaya, Katol.**
 - 3) Worked as ‘Subject Expert’ in the selection committee for Assistant Professor in V.M.V. College, Nagpur on 21st January 2012.**
 - 4) Felicitated on 26th January 2012, Republic Day celebration for the award of Ph.D. by Nagpur Shikshan Mandal.**
 - 5) Contributed Talk at GAC-2010, workshop cum conference on ‘Groups, Actions, Computations’ Harish-Chandra Research Institute, Allahabad, India, during Sept. 01 -12, 2010.**
 - 6) Contributed Talk at Workshop on ‘Finite Groups and their Automorphisms’ Bogazici University, Istanbul, Turkey, 5-11 June 2011.**
- C) One hour Talk at ICNAAM-13 at Rhodes Greece titled ‘Foundations of Iso mathematics: A mathematician’s curiosity’ on 23rd October.
- D) One hour Talk at ICNAAM-14 at Rhodes Greece titled ‘IsoGalois fields and Isopermutation Groups’ 24th September 2015.
- E) One hour Talk at ICNAAM-15 at Rhodes Greece titled ‘Santilli’s Isomathematics’ 25th September 2015.
- F) Awarded \$ 500/- by Santilli Foundation, USA for the paper ‘Iso-Galois Fields’ in 2013.

Publications

BOOKS PUBLISHED

1) **Statics and Linear Programming**

Authors: A.S.Muktibodh, S.R.Mangalgiri
1993, **Pimplapure Publications**, Nagpur.

2) **Handbook of Mathematical Formulae**

Authors: A.S.Muktibodh and V.N.Indurkar
Publisher: **DATTSONS**
J.Nehru Marg, Sadar, Nagpur-440001
First edition :1997
ISBN 81-7192-028-4

3) **LINEAR ALGEBRA**

Authors: A.S.Muktibodh and V.N.Indurkar
Publisher : **DATTSONS**
J.Nehru Marg , Sadar, Nagpur- 440001
First edition : 2002
ISBN 81-7192-043-8

4) **Ordinary Differential Equations with Applications**

Authors: A.S.Muktibodh and V.N.Indurkar
Publisher : **DATTSONS**
J.Nehru Marg , Sadar, Nagpur- 440001
Nagpur.
First Edition : 2003
ISBN 81-7192-050-0

5) **Algebra and Trigonometry**

Authors: Mrs. U. Datta, A.S.Muktibodh and Dr. Mohogaonkar
2006, Publisher : **Prentice Hall , India. ISBN 81-203-2974-0**

6) Ordinary and Partial Differential Equations with Applications,

Shri. A.S.Muktibodh and Shri. V.N.Indurkar,

Publisher : **DATSONS**
J.Nehru Marg , Sadar, Nagpur- 440001
Nagpur.
First Edition : 2008
ISBN 81-7192-068-3

7) Camina (Con-Cos) Groups: A monograph on Camina Groups.

Arun Muktibodh

Publisher: LAP-LAMBERT Academic Publishers, Germany.
First Edition: 2012
ISBN: 978-3-8484-3400-8

Fields of interest :-

- 1. Group Theory and Applications.**
- 2. Smarandache Notions.**
- 3. Isomathematics.**
- 4. Playing Guitar.**
