1. Name : VAIDYA SAMPAT GOVIND
(Beginning with surname)

2. Address
For Correspondence

: Flat No.-503,
: Bhoomi Tower C.H.S.,
: Sector No.-04, Plot No-28,
: Kharghar, Navi Mumbai, Pin 410210
: (M) 9820031384, 9819369868
sampat_vaidya@yahoo.co.in
vaidya.sampat@gmail.com

3. Educational Qualification :

Examination passed	Name of Institute	Subject	University	Class
B.Sc.	S. S. G. M. College Kopargaon, Dist-Ahmednagar, Maharashtra	Mathematiccs	Poona	72.80 I Hons with Dist
M.Sc.	University Department of Mathematics, Bombay(Mumbai)	Mathemtics	Bombay (Mumbai)	62.75 I
Ph.D.	Mathematics	Summary of the Thesis submitted		

4. Experience in Research and Development:

Name of the research organization	Period
Bhabha **A**tomic **R**esearch **C**entre High Performance Computing Section Theoretical Physics Division	26th June 1978 to 31st May 2014
Retired from BARC as Scientific Officer(F) (Group A Gazetted Officer in Central Government) on 31st May 2014	

6. Academic/Teaching Experience :

Class/ Discipline	Name of Institute	Period/ Academic Year	Subject(s) Taught
Secondary School	Agasti Vidyalaya Akole, Dist-Ahmednagar, Maharashtra	1976-1978	Mathematics, Science
Engineering & Physics	Bhabha Atomic Research Centre, Training School, **Mumbai**	1987-2014	Engineering Mathematics, Numerical Analysis, Operation Research, Computer Programming, Mathematical Methods
Engineering	Bhabha Atomic Research Centre, Training School, NFC, **Hydradad**	2013-14	Engineering Mathematics,
M.C.A.	Bharati Vidyapeeth Institute of Management and Technology, CBD, Navi Mumbai	2001-2015 Vistting 2015-till date	Discrete Mathematics, Probability and Combinatorics, Probability and Statistics, Operation Research, System Modeling &Simulation
	SIES, Nerul, Navi Mumbai	2003-2010 Vistting	
	SITM, Nerul, Navi Mumbai	2004-2009 Vistting	
	IMCOST, Thane	2005-2008 Vistting	
	YMT, Kharghar, Navi Mumbai	2005-2006 Vistting	
	MET, Bandra, Mumbai	2003-2008 2014-2016	

		Vistting	
	SPIT, Andheri, Mumbai	2014-2015 Vistting	
M.Sc.	SIES, Nerul, Navi Mumbai	2004-2014 Vistting	Computer Simulation & Modeling
M.B.A/M.M.M./ M.F.M./M.HR/M.	IMCOST, Thane Bharati Vidyapeeth CBD, Navi Mumbai Bharati Vidyapeeth CBD, Navi Mumbai	2005-2006 Vistting 2012-2013 Vistting 2014-2015 Vistting 2015-2017	Quatitative Techniques Business Statistics Quatitative Methods

7. Paper Setter and Examiner:

Course	University	Year	Subject
M.C.A.	Guru Nanak Dev University Amrutsar, Punjab	1994-1996	Combinatorics & Graph Theory Introduction to Programming-I Discrete Mathematical Structures
M.C.A.	University of Mumbai	2005-2014 2016-2017	Discrete Mathematics, Probability & Statistics, Operation Research

8. Life member of organizations:

- Indian Physics Association
- Indian Nuclear Society
- Marathi Vidnyan Parishad, Navi Mumbai (Ex Presidet, Fouder ex Vice Presidet)

9. Papers Publications in International Journals/ Presented In Symposium

1). Sector Symmetric Core concept for boiling water reactors.
- D.P. Burte and S.G. Vaidya
Published in Ann. Nucl. Energy, Vol.13, No.6, pp317-323, (1986).

2). Sector Symmetric Reload Patterns for TAPS Reactors
- D.P. Burte and S.G. Vaidya,
Presented at the Third Symposium on OENRPP, TROMBAY, 1989.

3). Evolution of Stretigies and Techniques for Constitution of Cores for BWRs at TAPS.
D.P. Burte, S.G. Vaidya, V.Jagannathan and R.P.Jain
(Presented at the National Symposium on Radiation Physics at BARC, TROMBAY, January 17-19, 1990.)

4). TAPS Reload Patterns in the Light of Additional Guidelines.
D.P. Burte and S.G. Vaidya, (Presented at BARC/ISCAR Meeting, BARC,TROMBAY, Sep. 10-14,1990.)

5). Parametrization for Optimization of Reload Patterns for Boiling Water Reactors- an abridged version
-D.P. Burte and S.G. Vaidya
(Presented in absencia to the Technical Committee Meeting on Incore Fuel Management Vienna, October 12-16, 1992.)

6). Parametrization for optimization of reload patterns for boiling water reactors. -D.P. Burte and S.G. Vaidya,
(Published in Ann. Nucl. Energy, Vol.20, No.4, pp237-249, 1993)

7). Extension of finite difference method for solving first order hyperbolic equation with non-linear right hand side.
- S.G. Vaidya and A. Joshi.
(Communicated to Indian Journal of Pure and Applied Mathematics for publication.)

8). Effects of Control Rod Movements on Core Power Distribution with MOX Fuel in TAPS Reactors. - S.G. Vaidya and A.K. Kulkarni

(Paper presented at the 'National Symposium on Radiation Physics NSRP-12' held at defence laboratory, Jodhpur, Jan 28-30, 1998)

9). "Optimization methods for TAPS fuel management"
- S.G.Vaidya, A.K.Kulkarni & H. P.Gupta,
Paper presented at 16th annual conference of Indian Nuclear society, Nov. 2005.

10). 'Strategy for Optimized Reload Patterns for TAPS BWRs'
– A K Kulkarni and S G Vaidya.
ARP-CP-28, ARP-2007, 24-25 May, 2007

11). ''Multi-Cycle Studies For Longer Cycle Lengths For TAPS BWRs'
– S G Vaidya and A K Kulkarni.
ARP-CP-29, ARP-2007, 24-25 May, 2007.

12) "Distant Maestro- An Input Generated by System", -- Priyanka N. Patil, Siddhesh Shivnekar , Deepa Manoj and Sampat Vaidya
Published in the International Journal of Research in Science and Technology, Vol No. 7, Issue No. 1, Jan-Mar 2017

10. Publications - Research Notes

1). Nuclear Design Report Tarapur 7X7 Reload-3 Fuel.
V. Jagannathan, P. Mohankrishnan, Vinod Kumar, R. Srivenkatesan,
V. Balraman, S.G. Vaidya and B.P.Rastogi.

2). Tarapur Unit-1 Cycle-10 Fuel management Report.
D.P. Burte, V. Jagannathan, K.R. Srinnivasan and S.G. Vaidya.
TFMS/1/10 April 1985.

3). Low incremental worth reload pattern for BWRs
- D.P. Burte and S.G. Vaidya

4). Tarapur Unit-2 Cycle-11 Fuel management Report.
- D.P. Burte and S.G. Vaidya. TFMS/2/11 Jun. 1986.

5). Tarapur Unit-1 Cycle-11 Fuel management Report.
- D.P. Burte and S.G. Vaidya. TFMS/2/11 Nov. 1987.

6). Tarapur Unit-2 Cycle-12 Fuel management Report.
- D.P. Burte H.P. Raghav and S.G. Vaidya, TFMS/2/12 Jul. 1988.

7). Tarapur Unit-1 Cycle-12 Fuel management Report.
- D.P. Burte H.P. Raghav and S.G. Vaidya, TFMS/1/12 Nov. 1989.

8). Tarapur Unit-1 Cycle-11 Fuel Experience Report.
- D.P. Burte, S.G. Vaidya and H.P. Raghav. TFMS/1/11 Mar. 1990.

9). TAPS Reload Patterns in the Light of Additional Guidelines.
D.P. Burte and S.G. Vaidya, (Presented at BARC/ISCAR Meeting,
BARC,TROMBAY, Sep. 10-14,1990.)

10). Current Issues in Tarapur Fuel Management
H.P. Raghav, S.G. Vaidya, D.P. Burte, V.N. Choudhary.
Note No./ThPD/335, Feb. 22,1991.

11). Tarapur Unit-2 Cycle-13 Fuel management Report.
- D.P. Burte, H.P. Raghav and S.G. Vaidya. BARC/1991/I/004.

12). A review of proposed operating strategy for unit-1 and unit-2 in view of short refueling shutdown of unit-2.
- S.G. Vaidya and V.N. Choudhary.
Note No./ThPD/339, Aug. 30, 1991.

13). Tarapur Unit-1 Cycle-13 Fuel management Report.
-H.P. Raghav, S.G. Vaidya, D.P. Burte, V.N. Choudhary.
BARC/1992/I/007.

14). Effect of core temperature on criticality in Tarapur Reactors.
- S.G. Vaidya and R.P. Jain Note No./ThPD/363, Jul. 20, 1992.

15). Shut-down Margin vs. Burnup with inoperable control rods
- D.P. Burte and S.G. Vaidya.
Note No./ThPD/375 dated Nov 26, 1992.

16). Incorporation of MOX Fuel Data in the Core Simulation Codes for TAPS reactors
- D.P. Burte and S.G. Vaidya
Confidential Note No./ThPD/388, March 11,1993.

17). Feasibility of MOX Fuel Loading in TAPS BWRs-a Brief Note,
-D.P. Burte and S.G. Vaidya
Confidential Note No./ThPD/397, Jun. 8,1993.

18). Parametrization for Low Leakage Reload Patterns for Boiling Water Reactors -One Year Cycle.
- D.P. Burte and S.G. Vaidya, Note No./ThPD/398 Jul. 7, 1993.

19). Haling Power Peaking Factor and Fuel Requirement during Transition to One Year Cycle in TAPS BWRs.
- D.P. Burte and S.G. Vaidya, ThPD/Note No/399 Jul. 8, 1993.

20). Loading Two MOX Fuel Bundles in TAPS Core.
- D.P. Burte and S.G. Vaidya
Confidential ThPD/Note No/401 Jul. 22, 1993.

21). Use of Reload-1 Fuel and Power Shaping in TAPS BWRs.
- D.P. Burte and S.G. Vaidya Note No./ThPD/403 Aug. 24, 1993.

22). Incorporation of Lattice Data for Island MOX Fuel Assembly in the Core Simulation Codes for TAPS Reactors.
- D.P. Burte and S.G. Vaidya
Confidential ThPD/Note No/404 Aug 27,1993.

23). MOX Fuel Utilization in TAPS BWRS - Multi-cycle Fuel Management Feasibility Studies.
- D.P. Burte, S.G. Vaidya and S.V. Lawande,
Confidential ThPD/Note No/414, Nov. 5, 1993.

24). Fuel Ma;nagement Feasibility of a MOX Utilization Schedule for TAPS
-D.P. Burte and S.G. Vaidya
Confidential Note No./ThPD/416 Nov. 24, 1993.

25). Tarapur unit-2 cycle-14 fuel management report
- D.P. Burte, H.P. Raghav and S.G. Vaidya,
BARC/1993/I/019 (1993)

26). A Physics Study in enhanced use of Gadolinia in fuel for TAPS BWRs – D,P. Burte and S.G. Vaidya, BARC/1993/I/008 (1993)

27). Tarapur unit-1 cycle-14 reload pattern- First loading of MOX fuel bundles
- D.P. Burte and S.G. Vaidya
Confidential Note No./ThPD/421, April 8,1994

28). Tarapur unit-1 cycle-14 beggining of cycle fuel management
- D.P. Burte and S.G. Vaidya
Confidential Note No./ThPD/424, May 11,1994

29). Illustrative exercises in dealing with high reactivity worths of control rod notches at BWR criticality.
-- D.P. Burte and S.G. Vaidya
Confidential Note No./ThPD/425, Jun. 8,1994

30). Incorporation of lattice data for Reload-2 fuel assembly in the Core Simulation Codes for TAPS reactors
- D.P. Burte and S.G. Vaidya Note No./ThPD/429, Jun. 22,1994

31). Tarapur unit-1 cycle-14 fuel management report
- D.P. Burte and S.G. Vaidya
Confidential Note No./ThPD/430, Jul. 8,1994

32). Management of reactivity worth of incremental control near criticality for TAPS BWRs.
- D.P. Burte and S.G. Vaidya Note No./ThPD/441, Nov. 8,1994

33). Incorporation of lattice data for Reload-3 (7X7) fuel assembly in the Core Simulation Codes for TAPS reactors
- S.G. Vaidya and D.P. Burte Note No./ThPD/451, Apr. 10,1995

34). A study of measures to reduce maximum in-sequence notch worths for TAPS reactors. -- V.N. Chaudhry and S.G. Vaidya
Note No./ThPD/453, May. 24,1995

35). Use of burnable absorbers and MOX fuel.
- D.P. Burte and S.G. Vaidya
Confidential Note No./ThPD/455, Jun. 20,1995

36). Effect of replacing fuel support plugs by dummy fuel assemblies on Tarapur Core reactivity and power distribution.
- V.K. Jain, V.N. Chaudhry, D.P. Burte, S.G. Vaidya and P.D.Krishnani.
Note No./ThPD/459, Jul. 19,1995

37). Fractional loading of full MOX bundles in three batch equilibrium cycle in TAPS BWRs.
- D.P. Burte and S.G. Vaidya
Note No./ThPD/460, Jul. 21,1995

38). Comparison of Power Ramp in TAPS Fuel Pins of MOX and Reload-2
- D.P. Burte and S.G. Vaidya
Note No./ThPD/469 Oct. 5,1995

39). Core simulations for recent TAPS cycles using lattice data from codes SUPERB and LWRBOX.
- S.G. Vaidya and D.P. Burte
Note No./ThPD/472, Nov. 20,1995

40). Unit-2 Cycle-15 BOC Reload Pattern
- D.P. Burte and S.G. Vaidya

Note No./ThPD/473, Dec. 11,1995

41). Change of Albedoes due to Replacement of Fuel Support Plugs by Dummy Fuel Assemblies in TAPS Reactors.
- S.G. Vaidya, V.K.Jain, V.N.Chaudhry, P.D.Krishnani and D.P. Burte
Note No./ThPD/475, Feb. 26,1996.

42). Tarapur Unit-2 Cycle-15 Beginning of Cycle Report
-S.G. Vaidya and V.N. Chaudhary
Note No./ThPD/478, June 17, 1996

43). Tarapur Unit-1 Cycle-14 Cycle Summary Report
-S.G. Vaidya and V.N. Chaudhary
Note No./ThPD/481, Aug. 05,1996

44). Tarapur Unit-1 Cycle-15 Reload Pattern
- S.G. Vaidya, V.N. Chaudhary and A.K. Kulkarni.
Note No./ThPD/483, Sep. 30,1996

45). A Preliminary Analysis of the Shut Down Capabity Using Gadolinium in MOX Fuel For Tarapur Reactors.
--V.N. Chaudhary, S.G. Vaidya and A.K. Kulkarni.
Note No./ThPD/487, Nov. 26,1996

46). Effects of Voids Resulting From Power Raising by Control Rod Movement in TAPS Reactors
-V.N. Chaudhary and S.G. Vaidya
Note No./ThPD/492, Jun. 20,1997

47). Tarapur Unit-1 Cycle-15 Cycle Summary Report
-S.G. Vaidya and A.K. Kulkarni
Note No./ThPD/499, Jan. 14,1998

48). Tarapur Unit-1 Cycle-16 Beginning of Cycle Report
- S. G. Vaidya and A.K. Kulkarni
Note No./ThPD/500, Feb. 09,1998

49). Tarapur Unit-2 Cycle-16 Beginning of Cycle Report
-S.G. Vaidya and A.K. Kulkarni
Note No./ThPD/504, Oct. 27,1998

50). Tarapur Unit-1 Cycle-17 Beginning of Cycle Report
- S.G. Vaidya, A.K. Kulkarni and R. Hem Prabha
Note No./ThPD/524, Oct. 10, 1999

51). Tarapur Unit-2 Cycle-17 Beginning of Cycle Report
- S.G. Vaidya, A.K. Kulkarni and R. Hem Prabha
Note No./ThPD/539, Sept. 15, 2000

52). Tarapur Unit-1 Cycle-18 Beginning of Cycle Report
- S.G. Vaidya, A.K. Kulkarni and R. Hem Prabha
Note No./ThPD/552, Nov. 21, 2001

53). 'Guideline Control Rod Patterns with and without burnup for U-1 C-18'
- Hem Prabha, A K Kulkarni and S G Vaidya
Note No./ThPD/553, Nov. 21, 2001.

54). 'Feasibility Studies of Full Mox Core Loading of TAPS BWRs with Mox Bundles Having Burnable Poison'
- S. G. Vaidya, A K Kulkarni and P. D. Krishnani.
Note No./ThPD/556, Jan. 16, 2002.

55). 'Tarapur Unit-2 Cycle-18 Beginning of Cycle Report'
- S G Vaidya, A K Kulkarni and R Hem Prabha.
Note No./ThPD/557, May. 15, 2002.

56). 'Predicted Control Rod Patterns for Unit-2 Cycle-18'
- Hem Prabha, A K Kulkarni and S G Vaidya.
Note No./ThPD/558, May 16, 2002.

57). 'Multi-Cycle Studies for Longer Cycle Lengths'
- S G Vaidya and A K Kulkarni
Note No./ThPD/565/2003.

58). 'Tarapur Unit-1 Cycle-19 Beginning of Cycle Report'
- S G Vaidya, A K Kulkarni and R Hem Prabha.
Note No./ThPD/571/2003.

59). 'Control Rod Patterns For Unit-1 Cycle-19'
- Hem Prabha R., Kulkarni A.K. and Vaidya S.G.
Note No./ThPD/579, Aug 22, 2003.

60). ‘Tarapur Unit-2 Cycle-19 Beginning of Cycle Report’
- S G Vaidya, A K Kulkarni and R Hem Prabha.
Note No./ThPD/589/2004, Jan 12, 2004

61). ‘Control Rod Patterns For Unit-2 Cycle-19’
- Hem Prabha, A.K. Kulkarni and S.G. Vaidya
Note No./ThPD/590, Jan , 2004.

62). ‘‘Tarapur Unit-1 Cycle-20 Beginning of Cycle Report’
- S G Vaidya, A K Kulkarni and R Hem Prabha.
Note No./ThPD/600/2005.

63). ‘Predicted Control Rod Patterns For Unit-1 Cycle-20’
- Hem Prabha, A.K. Kulkarni and S.G. Vaidya
Note No./ThPD/601, Feb 2005.

64). ‘Unit-2 Cycle-19 Predicted Control Rod Patterns For Sequence Change’
- Hem Prabha, A.K. Kulkarni and S.G. Vaidya
Note No./ThPD/602, Feb 2005.

65). ‘Strategy for Optimized Reload Patterns for TAPS BWRs’
- S G Vaidya, A K Kulkarni
Note No./ThPD/603/2005.

66). ‘Tarapur Unit-2 Cycle-20 Beginning of Cycle Report’
- S G Vaidya, A K Kulkarni and R Hem Prabha.
Note No./ThPD/561/2006, Jun 22, 2006

67). ‘‘Tarapur Unit-1 Cycle-21 Beginning of Cycle Report’
- S G Vaidya, A K Kulkarni and R Hem Prabha.
Note No./ThPD/617/2007, Jan 05,2007

68). ‘Tarapur Unit-2 Cycle-21 Beginning of Cycle Report’
- S G Vaidya and A K Kulkarni
Note No./ThPD/629/2007, Nov, 2007

69). ‘Tarapur Unit-1 Cycle-22 Beginning of Cycle Report’

- S G Vaidya, A K Kulkarni and F M Ghanbahadur
Note No./ThPD/633/2009, Jan, 2009

70). 'Tarapur Unit-2 Cycle-22 Beginning of Cycle Report'
- S G Vaidya, A K Kulkarni and F M Ghanbahadur
Note No./ThPD/640/2009, July, 2009

71). 'Tarapur Unit-1 Cycle-23 Beginning of Cycle Report'
- S G Vaidya and A K Kulkarni
Note No./ThPD/651/2010, Dec, 2010

72). 'Tarapur Unit-2 Cycle-23 Beginning of Cycle Report'
- S G Vaidya and A K Kulkarni
Note No./ThPD/652/2010, Apr, 2011

73). 'Tarapur Unit-1 Cycle-24 Beginning of Cycle Report'
- S G Vaidya and A K Kulkarni
Note No./ThPD/681/2012, Sep- 2012

74). 'Tarapur Unit-2 Cycle-24 Beginning of Cycle Report'
- S G Vaidya, A K Kulkarni and A Bajpai
Note No./ThPD/692/2013, July- 2013

11. Conference / Symposium Attended:

1). "Operating Experience of Nuclear Power Plants (OENRPP)", Third Symposium, TROMBAY, 1989.

2). "National Symposium on Radiation Physics". January 17-19, 1990., Trombay, Mumbai.

3)."National Symposium on Radiation Physics NSRP-12". Defence laboratory, Jodhpur, Jan 28-30, 1998.

4). " Indian Nuclear Society's Annual Conference", Nov. 2005, Mumbai.

5). 'Advances in Reactor Physics". Organized by Indian Nuclear Society.

– ARP-CP-28, ARP-2007, 24-25 May 2007, Mumbai.

6). "Safety in Design, Construction and Operation of Nuclear Plants"
– INSAC-2012, Nov 7-9, 2012, Mumbai.

7). "Scientific and Technological Concepts in Ancient Indian Scriptures
-- SATAS-2014, April 21-22, 2014, Mumbai.

8). "Emergence of India as a Global Economy Challenges and Opportunities". Organized by NCRD''s Sterling Institute of Managerial Studies and JJTU University, 24th January 2015, Nerul, Navi Mumbai

7. Teaching Experience

Sr. No.	Year	Course	Subject Taught	Name of The Institute
1	1976-78	S.S.C.	Maths, Science	Agasti Vidyalaya, Akole, Dist. A'Nagar
2	1987-89	B.E. Trainee	Numerical Analysis	Bhabha Atomic Research Centre, Mumbai
	1989-90	B.E. Trainee	FORTRAN Programming	Bhabha Atomic Research Centre, Mumbai
	1990-94	B.E. Trainee	Operation Research	Bhabha Atomic Research Centre, Mumbai
	2003-05	B.E. Trainee	Engineering Mathematics	Bhabha Atomic Research Centre, Mumbai
	2010-14	B.E. Trainee	Engineering Mathematics	Bhabha Atomic Research Centre, Mumbai
	2012-13	B.E. Trainee	Engineering Mathematics	Nuclear Fuel Complex, (BARC Training Centre), Hydrabad
3	2005-2014	M.Sc.	Computer Simulation & Modeling	SIES, Nerul
4	2005-2006 2012-2013 2014-2015	MBA	Quantitative Techniques, Business Statistics,	Visiting: IMCOST, Thane Bharati Vidyapeeth, CBD,
5	2001-2016	MCA	Discrete Mathematics, Probability & Statistics, Operation Research,	Visiting: Bharati Vidyapeeth Institute of Management & Information Technology Regular-2015-16
	2003-2010			Visiting: SIES, Nerul
	2004-2009			Visiting: Streling Institute of Technology &

			System Modeling & Simulation	Management, Nerul, Navi Mumbai
	2005-2008			Visiting: IMCOST, Thane
	2005-2008			Visiting: YMT, Kharghar
	2005-2008			Visiting: SPIT, Andheri,
	2014-2016			Visiting: MET, Bandra

5. Life member of organizations:

- Indian Physics Association
- Indian Nuclear Society
- Marathi Vidnyan Parishad, Navi Mumbai (Ex Presidet, Fouder ex Vice Presidet)

Prof. S G VAIDYA

Papers Publications in International Journals/ Presented In Symposium

1). Sector Symmetric Core concept for boiling water reactors.
- D.P. Burte and S.G. Vaidya
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2). Sector Symmetric Reload Patterns for TAPS Reactors
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3). Evolution of Stretigies and Techniques for Constitution of Cores for BWRs at TAPS.
D.P. Burte, S.G. Vaidya, V.Jagannathan and R.P.Jain
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D.P. Burte and S.G. Vaidya, (Presented at BARC/ISCAR Meeting, BARC,TROMBAY, Sep. 10-14,1990.)

5). Parametrization for Optimization of Reload Patterns for Boiling Water Reactors- an abridged version
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(Presented in absencia to the Technical Committee Meeting on Incore Fuel Management Vienna, October 12-16, 1992.)

6). Parametrization for optimization of reload patterns for boiling water reactors. -D.P. Burte and S.G. Vaidya,
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7). Extension of finite difference method for solving first order hyperbolic equation with non-linear right hand side.
- S.G. Vaidya and A. Joshi.
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(Paper presented at the 'National Symposium on Radiation Physics NSRP-12' held at defence laboratory, Jodhpur, Jan 28-30, 1998)

9). "Optimization methods for TAPS fuel management"
- S.G.Vaidya, A.K.Kulkarni & H. P.Gupta,
Paper presented at 16th annual conference of Indian Nuclear society, Nov. 2005.

10). 'Strategy for Optimized Reload Patterns for TAPS BWRs'
– A K Kulkarni and S G Vaidya.
ARP-CP-28, ARP-2007, 24-25 May, 2007

11). ''Multi-Cycle Studies For Longer Cycle Lengths For TAPS BWRs'
– S G Vaidya and A K Kulkarni.
ARP-CP-29, ARP-2007, 24-25 May, 2007.

Prof. S G VAIDYA

Conference / Symposium Attended:

1). "Operating Experience of Nuclear Power Plants (OENRPP)", Third Symposium, TROMBAY, 1989.

2). "National Symposium on Radiation Physics". January 17-19, 1990., Trombay, Mumbai.

3)."National Symposium on Radiation Physics NSRP-12". Defence laboratory, Jodhpur, Jan 28-30, 1998.

4). " Indian Nuclear Society's Annual Conference", Nov. 2005, Mumbai.

5). 'Advances in Reactor Physics". Organized by Indian Nuclear Society. – ARP-CP-28, ARP-2007, 24-25 May 2007, Mumbai.

6). "Safety in Design, Construction and Operation of Nuclear Plants" – INSAC-2012, Nov 7-9, 2012, Mumbai.

7). "Scientific and Technological Concepts in Ancient Indian Scriptures -- SATAS-2014, April 21-22, 2014, Mumbai.

8). "Emergence of India as a Global Economy Challenges and Opportunities". Organized by NCRD''s Sterling Institute of Managerial Studies and JJTU University, 24th January 2015, Nerul, Navi Mumbai

Prof. S G VAIDYA

PUBLICATIONS - RESEARCH NOTES/ ARTICLES

1). Nuclear Design Report Tarapur 7X7 Reload-3 Fuel.
V. Jagannathan, P. Mohankrishnan, Vinod Kumar, R. Srivenkatesan,
V. Balraman, S.G. Vaidya and B.P.Rastogi.

2). Tarapur Unit-1 Cycle-10 Fuel management Report.
D.P. Burte, V. Jagannathan, K.R. Srinnivasan and S.G. Vaidya.
TFMS/1/10 April 1985.

3). Low incremental worth reload pattern for BWRs
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4). Tarapur Unit-2 Cycle-11 Fuel management Report.
- D.P. Burte and S.G. Vaidya. TFMS/2/11 Jun. 1986.

5). Tarapur Unit-1 Cycle-11 Fuel management Report.
- D.P. Burte and S.G. Vaidya. TFMS/2/11 Nov. 1987.

6). Tarapur Unit-2 Cycle-12 Fuel management Report.
- D.P. Burte H.P. Raghav and S.G. Vaidya, TFMS/2/12 Jul. 1988.

7). Tarapur Unit-1 Cycle-12 Fuel management Report.
- D.P. Burte H.P. Raghav and S.G. Vaidya, TFMS/1/12 Nov. 1989.

8). Tarapur Unit-1 Cycle-11 Fuel Experience Report.
- D.P. Burte, S.G. Vaidya and H.P. Raghav. TFMS/1/11 Mar. 1990.

9). TAPS Reload Patterns in the Light of Additional Guidelines.
D.P. Burte and S.G. Vaidya, (Presented at BARC/ISCAR Meeting,
BARC,TROMBAY, Sep. 10-14,1990.)

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Note No./ThPD/692/2013, July- 2013

Life Member of Organizations:

- Indian Physics Association
- Indian Nuclear Society
- Marathi Vidnyan Parishad, Vashi, Navi Mumbai

(Ex. President & Founder Vice President)

Research & Development

Period	Name of the Organization	Post Held
1978-2014	Bhabha Atomic Research Centre, Mumbai	Scientific Officer

Teaching Experience

Sr. No.	Year	Course	Subject Taught	Name of The Institute
1	1976-78	S.S.C.	Maths, Science	Agasti Vidyalaya, Akole, Dist. A'Nagar
2	1987-89	B.E. Trainee	Numerical Analysis	Bhabha Atomic Research Centre, Mumbai
	1989-90	B.E. Trainee	FORTRAN Programming	Bhabha Atomic Research Centre, Mumbai
	1990-94	B.E. Trainee	Operation Research	Bhabha Atomic Research Centre, Mumbai
	2003-05	B.E. Trainee	Engineering Mathematics	Bhabha Atomic Research Centre, Mumbai
	2010-14	B.E. Trainee	Engineering Mathematics	Bhabha Atomic Research Centre, Mumbai
	2012-13	B.E. Trainee	Engineering Mathematics	Nuclear Fuel Complex, (BARC Training Centre), Hydrabad
3	2005-2014	M.Sc.	Computer Simulation & Modeling	SIES, Nerul
4	2005-2006	MBA	Quantitative Techniques,	Visiting: IMCOST, Thane
	2012-2013			Bharati Vidyapeeth, CBD,

	2014-2015		Business Statistics,	
5	2001-2016	MCA	Discrete Mathematics, Probability & Statistics, Operation Research, System Modeling & Simulation	Visiting: Bharati Vidyapeeth Institute of Management & Information Technology Regular-2015-16
	2003-2010			Visiting: SIES, Nerul
	2004-2009			Visiting: Streling Institute of Technology & Management, Nerul, Navi Mumbai
	2005-2008			Visiting: IMCOST, Thane
	2005-2008			Visiting: YMT, Kharghar
	2005-2008			Visiting: SPIT, Andheri,
	2014-2016			Visiting: MET, Bandra

Prof. S G VAIDYA

Papers Publications in International Journals/ Presented In Symposium

Course	University	Year	Subject
M.C.A.	Guru Nanak Dev University Amrutsar, Punjab	1994-1996	Combinatorics & Graph Theory Introduction to Programming-I Discrete Mathematical Structures
M.C.A.	University of Mumbai	2005-2013 2016	Discrete Mathematics, Probability & Statistics, Operation Research,

Prof. S G VAIDYA

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Prof. S G VAIDYA

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