

# Degree holders from TIFR

*(from Deemed University Office Archives)*  
1950 to 1993

Name	Surname	Thesis title	Guide Name	Guide Surname	Bombay University Result	Bombay University Result dt
R.P.	Thatte	Measurements of cosmic Ray Intensity of High Altitude	H.J.	Bhabha	1950	
A.S.	Apte	Investigation in the Meson Field	H.J.	Bhabha	1952	
Surya	Prakash	Generalised wave equation (solution of certain types of differential equation which are generalised of usual waved equations)	H.J.	Bhabha	1953	
K.K.	Gupta	Determination of decay energy of electron-capturing isotopes	H.J.	Bhabha	1954	
B.V.	Sreekantan	Experimental investigation on the nature & interaction of cosmic ray particles underground	H.J.	Bhabha	1955	
G.S.	Gokhale	Studies in cosmic radiation High altitude intensity measurements at 3 zeroN (mag) and 19 zeroN in India.	H.J.	Bhabha	1955	
D.	Sankaranarayana	Studies in cosmic Rays (Theoretical).	H.J.	Bhabha	1959	
L.S.	Kothari	Thermal Neutron Scattering in solids and Liquids	K.S.	Singwi	1959	
V.P.	Duggal	Neutron slowing down attenuation in different moderators	R.	Ramanna	1959	
R.K.	Gupta	Determination of Decay Energy of Electron capturing isotopes	B.V.	Thosar	1959	
D.	Lal	Investigations of Nuclear Interaction produced by Cosmic Rays	B.	Peters	1960	
M.C.	Joshi	Measurement of internal conversion coefficients and Energy Levels of Some Nuclei	B.V.	Thosar	1961	
	Rama	Investigations on the cosmic Ray produced Radio Isotopes $^{90}\text{Sr}$ , $^{137}\text{Cs}$ and $^{32}\text{P}$	M.G.K.	Menon	1961	
R.	Vijayaraghavan	Nuclear Magnetic Resonance Study of some solids & Liquids	S.S.	Dharmatti	1962	
P.V.S.	Rao	Cathode Ray Tube display of digital computer outputs	S.S.	Dharmatti	1962	

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H.G.	Devare	Beta-ray spectrometer and other studies of the decay schemes of some Radioactive Isotopes	B.V.	Thosar	1962	
B.N.	Subbarao	Experimental studies of some medium ODD-A Nuclei	B.V.	Thosar	1963	
P.V.	Ramana Murthy	Intensity Measurements of cosmic Rays deep underground (2,000 ft.) using Plastic Scintillator and G.M. counters.	M.G.K.	Menon	1963	
V.K.	Balasubrahmanyam	Charge spectrum of Primary cosmic radiation (High altitude Measurements in the Intensity of cosmic Rays.)	M.G.K.	Menon	1963	
G.	Govil	Studies in High Resolution NMR: Nuclear spin-spin interaction and their application.	S.S.	Dharmatti	1964	
R.P.	Sharma	Investigation of some Nuclear energy Levels Internal conversion coefficients and shapes of Beta spectra	B.V.	Thosar	1964	
Girish	Chandra	Nuclear Energy Levels & angular distribution of Gamma Radiation from Nuclei.	B.V.	Thosar	1964	
N.	Durgaprasad	The Chemical Composition of the Primary Cosmic Ray Nuclei of charge Z3	R.R.	Daniel	1964	
P.K.	Kunte	Directional Intensities of Primary Cosmic Rays near the Equator	G.S.	Gokhale	1964	02/09/1964
C.V.K.	Baba	Nuclear spectroscopic studies of the Radioactive Nuclei Ba140, Pr144, Pm 148m, Eu148, Eu150, Eu152m, Eu154 and Tm.	S.K.	Bhattacharjee	1965	
P.K.	Malhotra	A study of High energy interaction using Nuclear Emulsions.	R.R.	Daniel	1965	
D.L.R.	Setty	Nuclear Magnetic Resonance studies in Sodium Alloys.	S.S.	Dharmatti	1965	
B.K.	Chatterjee	Studies on N-component of Extensive air showers	B.V.	Sreekantan	1965	
C.	Badrinathan	Study of some Low Energy Nuclear Reaction with the TIFR cascade Generator	E.	Kondaish	1965	
C.L.	Khetrapal	Studies in High Resolution NMR chemical shift and its Application	S.S.	Dharmatti	1965	
K.P.	Gopinathan	Nuclear spectroscopy Studies of some ODD-a Nuclei in the near deformed region	B.V.	Thosar	1966	09/10/1966
S.N.	Ganguli	Study of hyperfragments produced in High Energy Interaction of Pions & Protons with Emulsion Nuclei	M.S.	Swami	1966	10/07/1966
B.	Vijayalakshmi	Nuclear Interaction produced by Cosmic Ray Particles of High Energy	R.R.	Daniel	1966	09/09/1966

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V.	Sarawathi	Nuclear Magnetic Resonance Studies in Solids	B.V.	Thosar	1966	
P.G.	Shukla	Primary Cosmic Radiation and its Interaction with Atomic Nuclei	R.R.	Daniel	1966	
P.	Babu	Some investigation on the symmetries of strongly interacting particles	B.M.	Udgaonkar	1966	
M.R.	Das	ESR studies on organic Free Radicals	S.S. & J.	Dharmatti & Shanker	1966	
S.H.	Davare	Study of the nuclear levels of some ODD-A Isotopes of antimony and Iodine	B.V.	Thosar	1966	
D.P.	Roy	A phenomenological study of some high energy inelastic Processes	B.M.	Udgaonkar	1966	21/10/1966
Y.K.	Agarwal	Measurement of Magnetic moments of excited Nuclear States and Nuclear structure Studies	S.K.	Bhattacharjee	1967	09/02/1967
M.V.Srinivasa	Rao	Studies on the Muon Component of Extensive Air showers	B.V.	Sreekantan	1967	17/05/1967
V.Udata Shankar	Rao	Nuclear Magnetic Resonance in Alloys	B.V.	Thosar	1967	23/11/1967
G.T.	Murthy	High Energy Nuclear Active Particles in Extensive Air Showers	B.V.	Sreekantan	1967	
K.A.	Neelakantan	Solar Modulation of Low Energy Galactic Cosmic Ray	R.R.	Daniel	1967	25/04/1967
T.N.	Rengarajan	A Study of Particle Production at High energies	Y.	Pal	1967	23/03/1967
N.	Bhandari	Studies of physical processes occurring in the atmosphere based on the radionuclides of natural and artificial origin	D.	Lal	1967	16/03/1967
S.L.	Kusumgar	Geochronology of the Palaeoclimatic Events of the late Cenozoic Period in the Kashmir Valley	D.	Lal	0	
V.	Radhakrishnan	Some Theoretical Investigations in superconductivity with particular reference to Transition elements	K.K.	Gupta	1967	13/02/1967
S.K.	Basu	Study of a Flow-graph model of programming languages	B.V.	Thosar	1967	01/06/1967
M.R.	Gunye	Quadrupole Plus Pairing Force for deformed Nuclei	K.K.	Gupta	1967	07/03/1967
P.N.	Tandon	Measurement of 'g' factors of excited states of nuclei	B.V.	Thosar	1968	10/05/1968
P.G.	Nair	E.S.R. Studies in solids	M.G.K.	Menon	1968	11/11/1968
S.V.	Damle	Measurements of Ratio He <sup>3</sup> /He <sup>3</sup> + He <sup>4</sup> in the Primary cosmic Radiation at the Relativistic energies	M.G.K.	Menon	1968	04/12/1968

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N.P.	Sastry	Mossbauer Effect in solids KFe <sub>3</sub> and Co <sup>57</sup> in Indium	B.V.	Thosar	1968	13/05/1968
M.H.	Gokhale	Effets of Viscosity and Electrical conductivity on the stability of a liquid Model of hard core pinch	B.M.	Udgaonkar	1968	12/08/1968
N.	Sreenivasan	Low energy Cosmic ray Nuclei Ray Nuclei of Charge Z 2 and their path lengths in space	S.	Biswas	1968	18/07/1968
A.A.	Rangwala	Some Investigation on the strong and intermediate couplings theories of elementary Particles	B.M.	Udgaonkar	1968	12/08/1968
V.S.	Narasimham	A Study of charged particles deep underground using large detectors	M.G.K.	Menon	1968	10/09/1968
Ail	Yousofkhani	A new Time Analyser	G.	Swarup	1968	07/02/1968
K.N.	Chaudhari	Study of Light Hyperfragments	R.R.	Daniel	1969	15/03/1969
A.N.	Kumar	Some investigation on the application of current Algerba to electromagnetic and week processes of hadrons	B.M.	Udgaonkar	1969	
V.R.	Pandharipande	Nuclear structure investigation in near closed shell nuclei	B.V.	Thosar	1969	24/10/1969
S.A.	Stephens	Cosmic electrons and their role in Astrophysics	R.R.	Daniel	1969	11/07/1969
R.	Cowsik	On cosmic Ray Interaction	Yash	Pal	1969	17/02/1969
U.	Trivedi	Decomposition of the Partial Wave Amplitude in Terms of Regge-Trajectory Contributions	B.M.	Udgaonkar	1969	
K.R.P.Mallikarjuna	Rao	The Mossbauer Effect of Sn <sup>119</sup> in the alloys of Tin with some Transition and Rare-earth Metals	C.R.	Kanekar	1969	17/02/1969
S.M.	Vaidya	Some Investigation on the Strong Interaction of Elementary Particles	B.M.	Udgaonkar	1969	07/02/1969
K.G.	Prasad	Study of the level structures of near closed shell nuclei and K x-ray yields in defromed even-even rare-earths	B.V.	Thosar	1969	29/09/1969
S.B.	Khadkikar	Some Theoretical Studies in Nuclear Structure	K.K.	Gupta	1970	23/10/1970
K.C.	Rustogi	Non-linear optical susceptibilities of semiconductors	B.M.	Udgaonkar/Jha	1970	03/11/1970
K.Sankara	Rao	Numerical studies of some Non-linear problems in fluid Mechanics	R.	Narasimham	1970	07/12/1970
B.S.	Prabhananda	Electron Spin resonance in Paramagnetic systems	B.	Venkataraman	1970	10/12/1970
S.N.	Tandon	On Propagation of Cosmic Rays	Yash	Pal	1970	16/07/1970
B.L.K.	Somayajulu	Study Marine Processes using naturally occurring radioactive nuclides	D.	Lal	1970	16/12/1970

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G.	Rajagopalan	High sensitivity radiation counting and its application in Nuclear Physics	D.	Lal	1970	10/05/1970
Yoginder	Singh	Some investigation of the semi-leptonic and weak-radiative decays of hadrons	B.M.	Udgaonkar	1970	25/02/1970
R.H.	Watcha	Special features Ultra high energy interaction from a study of Hadrons in extensive airshowers	B.V.	Sreekantan	1971	02/10/1972
K.	Shivprasad	Ultra High energy Muons in Extensive air Showers	B.V.	Sreekantan	1971	28/08/1971
P.	Chandrasekhar	Mathematical characterisation & analysis of certain R and D system	R.	Narasimhan	1971	28/03/1971
S.C.	Tonwar	Composition of the Nuclear Interacting component in Extensive Air showers	B.V.	Sreekantan	1971	21/04/1971
George	Joseph	A Search for Energetic Neutrons during Solar flares	G.S.	Gokhale	1971	15/03/1971
M.G.	Bhide	Some Investigations on the ortho-positronium	B.M.	Udgaonkar	1971	02/03/1971
V.S.	Venkatavaradan	Isotopic changes Induced by Cosmic Ray in Interplanetary	D.	Lal	1971	04/02/1971
D.K.	Ghosh	A Strudy of two Magnetic Hamiltonians	B.M.&C.K.	Udgaonkar & Majumdar	1971	22/07/1971
K.	Krishnakutty	Hypercorrelation:A statistical concept for system characterisation	R.	Narasimhan	1971	11/10/1971
P.C.	Agrawal	Study of cosmic X-ray sources using Balloon Borne Detectors	G.S.	Gokhale	1971	06/07/1972
B.S.	Sukhija	Evaluation of Ground Water Recharge in Semi-Arid Region of India using Environmental tritium		Rama	1971	26/08/1972
R.	Pinto	Current controlled Instabilities in Disordered semiconductors	B.V.	Sreekantan	1971	08/03/1972
S.	Ramadurai	Cosmic Rays in Interplanetary & Interstellar Space & in	S.	Biwas	1971	15/03/1971
H.C.	Jain	Electromagnetic Properties of Low Lying Levels in Odd Mass Nh and Ag Nuclei	S.K.	Bhattacharjee	1972	
R.K.	Manchanda	Study of high diffuse cosmic x-ray background & survey for new high energy x-ray sources	G.S.	Gokhale	1972	
S.	Radhakant	Study of light nuclei using electrons scattering	B.M.	Udgaonkar	1972	
D.Radhakrishna	Rao	Some studies of Geomagnetic field in Low latitudes	B.V.	Sreekantan	1973	16/02/1973
S.Bhushan	Lal	In Beam Gamma Ray spectroscopy of $^{51}\text{Cr}$ ; $^{55}\text{Fe}$ and $^{75}\text{Se}$ Nuclei through (p,n) reaction	S.K.	Bhattacharjee	1973	16/02/1973
T.V.	Gopalkrishnan	Molecular Aspects of Enzyme Regulation by Cortisol	U.N.	Singh	1973	11/05/1973

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A.S.	Tamhane	Abundance of heavy cosmic ray nuclei from the induced micrometamorphism in meteorite minerals	D.	Lal	1973	29/03/1973
H.C.	Chhajlany	A study of Broken Chiral & Scale Symmetries in Relation to Leptonic Decays of K-Meson and decay	L.K.	Pandit	1973	01/02/1973
P.	Vijayasathy	The Replication of DNA and its transfer during bacterial conjugation	O.	Siddiqi	1973	02/03/1973
K.C.	Anand	High Energy Cosmic Ray Electrons & Gamma Rays	R.R.	Daniel	1973	09/10/1973
Rahdeyshyam	Gupta	Biogenesis & Function of ribosomes in E. coli	U.N.	Singh	1973	29/11/1973
T.S.	Radhakrishnan	Hyperfine Fields and magnetic Properties in solids studied by Nuclear Orientation and Mossbauer Techniques	Girish	Chandra	1973	05/07/1973
A.C.	Kunwar	Study of Molecules oriented in Liquid Crystalline media	B.	Venkataraman	1973	30/07/1973
S.P.	Tarafdar	Sources of Opacity in late-type stars	M.S.	Vardya	1973	12/06/1973
S.K.	Malik	Nuclear Magnetic Resonance in Rare Earth Alloys & Heusler Alloys	R.	Vijayaraghavan	1973	28/05/1973
G.	Mokhopadhyay	Electronic Energy Bands for-and-cerium	C.K.	Majumdar	1973	29/03/1973
A.P.	Agnihotry	Study of Penetration effects in the Internal conversion of Retared Transitions in 169 Tm, 177 Lu 177Hfn.	M.C.	Joshi	1974	
R.	Raghavan	An Experimental Study of the total cross-section of Rho and fmesons against nuclei	Yash	Pal	1974	03/12/1974
R.G.	Lagu	Positronium Lifetimes in some Molecular Media	B.V.	Thosar	1974	28/02/1974
B.D.	Mungurwadi	Nuclear Magnetic Resonance in InBi Intermetallic compund and in some liquid alloy systems	R.	Vijayaraghavan	1974	21/05/1974
S.	Doraiswamy	Microwave spectra of some Asymmetric Molecules	B.	venkataraman	1974	06/09/1974
B.	Radhakrishnan	A study of clebschGordan Problem for three dimentional Lorentz Group	N.	Mukunda	1974	21/05/1974
M.V.	Pitke	Problems in the Design of Large memory Mercury Arrays	G.S.	Gokhale	1974	24/06/1974
K.R.Sandhya	Devi	Microscopic Investigation of Nuclear Collective Motion	K.K.	Gupta	1974	22/02/1974
S.Krishna	Swamy	Geochemistry of Transition elements & Radioisotopes in Marine & Freshwater Environments	D.	Lal	1974	21/09/1974
R.N.	Singh	Competeance & Dexyribonucleic Acid Uptake in Transformation of Bacillus Substills	O.	Siddiqi	1974	03/10/1974

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A.P.	Rao	A study of Interplanetary Scintillation at 327 Mhz.	G.	Swarup	1975	02/12/1975
Amit	Roy	Study of proton induced resonance reactions of $^{23}\text{Na}$ , $^{27}\text{Al}$ , $^{51}\text{V}$ , and $^{63}\text{Cu}$ nuclei	S.K.	Bhattacharjee	1975	04/12/1975
L.C.	Gupta	Studies of Nuclear Electric quadrupole Interaction in Solids	R.	Vijayaraghavan	1975	29/04/1975
S.	Kasturirengan	Study of Molecular Motions by Electron spin Relaxation	B.	Venkataraman	1975	20/02/1975
R.	Tewari	Molecular Orbital Calculation on Biomolecules	B.	Venkataraman	1975	
V.K.	Kapahi	Angular Structures of Extra Galactic Radio Sources and Cosmology	G.	Swarup	1975	14/11/1975
V.R.	Marathe	Magnetism of Inorganic Compounds	B.	Venkataraman	1975	11/09/1975
S.Mohan	Bharathi	Spectroscopy of $^{74}\text{As}$ , $^{75}\text{Se}$ and $^{79,81}\text{Kr}$ nuclei through (p,n) reaction	S.K.	Bhattacharjee	1975	
R.C.	Chopra	Study of Magnetic hyperfine interaction and g-factors of excited nuclear states	B.V.	Thosar	1975	12/06/1975
S	Srivastava	Stimulated Light Scattering and Generation of Parametric Instabilities in Plasmas	S.S.	Jha	1975	22/03/1975
V.S.	Lyengar	Study of Discrete Cosmic X-ray sources	G.S.	Gokhale	1976	02/01/1976
J.K.	Agarwal	K-Ar Ages of Deccan and Rajmahal Traps & Associated Dykes		Rama	1976	19/05/1976
S.	Rangarajan	Interface Excitation Modes & Superconductivity of a metal in contact with a semiconductor	S.S.	Jha	1976	14/01/1976
B.	Subbarao	Catalytic Properties of Bovine Brain Hexokinase; A Chemical Investigation	U.W.	Kenkare	1976	03/08/1976
A.K.	Handa	Regulation of chloronema Differentiation in the Moss <i>Furnia Hygrometrica</i> by Adenosine 3', 5' - Cyclic Monophosphate.	O.	Siddiqi	1976	23/12/1976
P.K.	Das	Investigation of Compact Massive Objects with Large central Reshifts.	J.V.	Narlikar	1976	29/12/1976
S.B.	Patel	High Resolution Electron Gamma-ray Spectroscopic studies of some deformed	B.V.	Thosar	1976	15/12/1976
R.R.	Navalgund	Electron Paramagnetic Resonance Studies in some Ferroelectric Crystals.	B.	Venkataraman	1976	03/12/1976
N.	Periasamy	Studies on Electrochemiluminescence	G.	Govil	1976	23/11/1976
D.S.	Bagri	High resolution Interferometric Observation of Radio Sources at 327 MHz.	G.	Swarup	1976	22/01/1976
K.	Arya	Microscopic Electromagnetic Fields and Non-linear Optical Response Function in Crystals	S.S.	Jha	1976	14/01/1976



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A.S.	Vengurleker	Bounds and Sum-Rules for Hadronic Scattering Amplitudes	V.	Singh	1976	01/04/1977
R.P.	Verma	Study of multiply charged Cosmic ray magnetic spectrograph	Yash	Pal	1976	14/01/1976
R.K.	Nanda	Configuration of Biologically Important Molecules	G.	Govil	1976	19/01/1976
S.P.	Mudur	A Formal Approach to the design of microprogram Controlled Computers.	P.V.S.	Rao	1976	07/09/1976
J.	Ray	A study of local Environment Effects in Ni-Mn and Ni-Fe Alloys by <sup>57</sup> Fe Mossbauer Spectroscopy.	Girish	Chandra	1976	24/05/1976
Meher.H.	Irani	Genetic and Biochemical studies in Carbohydrate Metabolism in Esherichia Coli Glycolysis	P.K.	Maitra	1976	23/12/1976
P.	Ganguli	Magnetic and Spectroscopic Studies on Ferric Dithiocarbamates.	G.	Govil	1976	29/12/1976
V.K.	Garde	Physics of Neutron Stars.	S.M.	Chitre	1976	25/02/1976
A.T.	Rana	Adduct Formation in the Extraction of Nickel and Cobalt with 8-quinolinol and its analogs	K.S.	Bhatki	1977	08/03/1977
G.	Bhattacharya	Exactly Solvable U (n) - Symmetric Field Theories in two Dimensions.	L.K.	Pandit	1977	19/08/1977
S.	Ananthkrishnan	High Resolution studies of Radio source using Interplanetary Scintillation	G.	Swarup	1977	24/01/1977
Jyoti	Nevatia	Study of composition of low Energy Oxygen to Silicon Nuclei in the January 25 and September 2, 1971 Solar Particle Events.	S.	Biswas	1977	05/02/1977
L.C.	Padhy	Studies on DNA Polymerizing Enzymes of RNA Turnor Viruses.	M.R.	Das	1977	09/02/1977
V.N.	Nijampurkar	Applications of Cosmic-Ray Produced Isotope Silicon -32 to Hydrology with Special Reference to Dating of Ground Water	D.	Lal	1977	08/03/1977
	Gopikrishna	Lunar Occulation Observation of the Galactic Centre Region and 55 Extragalactic Sources at 327 MHz	G.	Swarup	1977	05/02/1977
C.Amuba	Singh	Studies in Application of Dual Resonance Model	B.M.	Udgoankar	1977	23/08/1977
B.S.	Shastry	Studies in the Magnetic Properties of C.P.C. and Nickel.	C.K.	Majumdar	1977	30/07/1977
K.L.	Narasimhan	Studies on Electrical Properties of Tetrahedrally Bonded Amorphous Semiconductors.	R.	Vijayaraghavan	1977	18/11/1977
P.N.	Bhat	Low Energy Muons and Heavy Particles in Cosmic Radiation Underground.	P.V.R.	Murthy	1977	30/08/1977



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G.P.	Singh	Dielectric and Ultrasonic Investigation of Ferroelectric Phase Transition in RbH <sub>2</sub> Po <sub>4</sub> .	R.	Vijayaraghavan	1978	14/10/1978
N.	Soundararajan	Semantica of Programs and Coroutines.	R.	Narasimhan	1978	13/03/1978
A.K.	Raina	Bonds Involving From Factors and Scattering Amplitudes	V.	Singh	1978	14/10/1978
Pushpa	Joshi	UV observation and the two phase model interstellar Medium	M.S.	Vardya	1978	09/11/1978
C.K.	Mitra	Theoretical Studies on structure and function of Biomolecules	G.	Govil	1978	28/04/1978
J.K.	Srivastava	Study of Static and Time Dependent Hyperfine Interactions in Solids by Mossbauer Effect Technique.	B.V.	Thosar	1978	14/04/1978
C.R.	Subramanya	An Optimum Deconvolution Method For Lunar Occultation and Cosmological Studies using Angular Sizes of Radio Sources.	G.	Swarup	1978	31/03/1978
C.	Bansai	Mossbauer Spectroscopic Studies of Nickel Based Alloys.	Girish	Chandra	1978	21/02/1978
R.V.	Hosur	Studies on Structure and Fuction of Biomembrance	G.	Govil	1978	20/07/1978
A.K.	Grover	NMR Magnetization Studies in Intermetalics and a Cluster spin-Glas System	R.	Viayaraghavan	1979	08/01/1980
K.K.	Paiwal	Computer Recognition of Continuous Speech	P.V.S.	Rao	1979	17/07/1979
A.S.	Joshipura	Studies on Melsh-Type Transformation Connecting Two Distinct U(6)* U(6) Group in Null-Plane Quantised Field Theories of Quarks.	V.	Gupta	1979	09/11/1979
N.K.	Singh	Genetic control Arulsulphatase in Aspergillus Nidulans	O.	Siddiqi	1979	09/05/1979
S.S.	Siddiqi	Bio-Chemical and Developmental Genetics of Gaenovhabditis Elegans	O.	Siddiqi	1979	11/07/1979
A.K.	Kembhavi	Zero-Mass Surface and Cosmological Singularities	J.V.	Narlikar	1979	22/02/1979
S.V.	Donde	Genetic and Biochemical Studies of the Nervous System of Drosophila Melanogaster	O.	Siddqi	1979	14/12/1979
Protima	Sinha	Genetic and Biochemical Characterisation of Pyruvate Kinase Mutants of Saccharomyces Cerevisiae	P.K.	Maitra	1979	28/08/1979
D.M.	Kale	Instabilities in the Stellar Atmosphere	S.M.	Chitre	1979	30/07/1979
C.S.	Jain	Exact Numercal Results on and two dimensional Helsenberg Systems.	C.K.	Majumdar	1979	09/05/1979

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R.	Shankar	A Study of the Nucleon-Nucleon Interaction as Derived from Non-relativistic Quantum chromodynamics	C.S.	Warke	1980	24/01/1980
R.V.	Kamath	Problems Concerning the Theory of Direct Interparticle Action	S.M.	Chitre	1980	31/12/1980
G.	Krishnamoorthy	Physioc-chemical Studies on Biomolecules using Spectroscopic Techniques; Lysozyme Active Site Environment Studies using dyes as probes	G.	Govil	1980	04/12/1980
Satpal	Singh	Studies on the Mechanisms of behaviour in Drosophila Malanogaster	O.	Siddiqi	1980	03/09/1980
V.R.	Palkar	Fine Ceramic Oxide Particles by Sol-Gel Process and the Study their Properties	K.S.	Bhakti	1980	27/08/1980
Ghanshyam	Swarup	Bovine Brain Mithochondrial Hexokinase; Chemical Investigation of the Active site	U.W.	Kenkare	1980	06/05/1980
S.	Krishnamohan	Intrinsic Intensity and Models of Pulsars	S.	Swarup	1980	02/07/1980
H.M.	Antia	Over stabilities in the Solar Atmosphere	S.M.	Chitre	1980	11/01/1980
V.	Balasubramanian	Interstellar Scintillation of Pulsars at 327 MHz	G.	Swarup	1980	21/03/1980
V.K.	Kulkarni	A Generalised Luminosity Function for Extragalactic Radio Sources	G.	Swarup	1980	21/03/1980
S.V.	Dhurandhar	Tachyon in Strong Gravitational Fields	J.V.	Narlikar	1980	24/03/1980
A.K.	Pansare	A Technique for Wide-Range Particle Size Measurements	A.V.	Patankar	1980	21/02/1980
S.J.	Kulkarni	Temperature-sensitive Paralytic mutation on the second and third Cir of Drosophila melanogaster	O.	Siddiqi	1981	02/11/1981
S.	Subramanian	Studies on Liquid phase epitaxial Growth of GaAs and on the Origin of 0.8 eV electron trap in GaAs	R.	Vijayaraghavan	1981	15/10/1981
Shobhona	Sharma	Characterisation of Cyclic AMP Phosphodiesterases in the moss Funaria hygromatrica	M.	Johari	1981	04/12/1981
D.V.	Behere	Magnetic Studies on Iron (III) and Manganese (III) Porphyrins	G.	Govil	1981	23/01/1981
A.	Moitra	Algebraic Specification with Hidden Function; Formalization and Power	R.	Narasimhan	1981	28/12/1981
K.S.	Rajasethupathy	Studies on L-Systems	R.	Narasimhan	1981	02/06/1981
A.	Mukherjee	Studies in Classical Gauge Theory	Probir	Roy	1981	29/05/1981
A.D.	Gangal	Bounds on Pion-pion Scattering Amplitudes and on Elastic Diffraction peak	S.M.	Roy	1981	28/01/1981

Name	Surname	Thesis title	Guide Name	Guide Surname	Bombay University Result	Bombay University Result dt
P.	Mitra	Studies in the two-dimensional quantum fields theory of quarks and gluons	Probir	Roy	1981	13/02/1981
Rao.K.	Krishanamurthy	Role of Protein Factor Associated with Plasma Membranes in Reverse Transcription	M.R.	Das	1981	02/11/1981
E.V.	Sampathkumaran	Studies of Valence Fluctuation Phenomenon in some rare earth compounds	R.	Vijayaraghavan	1982	10/09/1982
Srikantha	Rao	High Energy Muons in Extensive Air Showers	S.	Naranan	1982	14/08/1982
R.V.	Gavai	Investigation on Baryonium and Related Phenomenology	D.P.	Roy	1982	28/01/1982
S.K.	Dhar	Magnetic studies of rare earth intermetallics	R.	Vijayaraghavan	1982	11/09/1982
Subir	Sarkar	High Energy Astrophysics of Supernova Remnants	R.	Cowsik	1982	
V.F.	Rodrigues	Genetic Analysis of Chemosensory Behaviour in Drosophila Melanogaster	O.	Siddiqi	1982	25/08/1982
N.C.	Rana	An Investigation of the properties of Intergalactic dust	J.V.	Narlikar	1982	14/06/1982
K.P.	singh	A sky survey of diffuse X-ray Emission in Soft X-rays (0.1-2.5 Kev)	S.	Naranan	1982	08/07/1982
D.	Bhattacharya	Inner Shell Ionisation with Protons and Helium Ions	S.K.	Mitra	1982	11/09/1982
B.B.	Kulkarni	Magnetic Field Effects on Charge Transfer Processes	B.	Venkataraman	1982	17/03/1982
M.R.	Krishnaswamy	Cosmic Ray Intensities Deep underground -A Study of Angular Distribution of Muons	M.G.K.	Menon	1982	20/01/1982
S.	Srinivasan	Superconducting Transitions in Semi-metals and in Metal-Insulator Composite Systems	S.S.	Jha	1982	22/03/1982
T.	Padmanabhan	A Study of some problems in Quantum Gravity	J.V	Narlikar	1982	27/09/1982
A.	Pal	Non-equilibrium Properties of Liquid He and the effect of Superfluid Fluctuations	S.S.	Jha	1982	28/07/1982
Z.J.	Lobo	Glycolytic and Pentose Phosphate Pathway Mutants from Yeast	P.K.	Maitra	1983	10/06/1983
H.M.	Chikarmane	Pyruvate Decarboxylase Mutants in Yeast	P.K.	Maitra	0	
B.S.	Acharya	Composition of Primary Cosmic Rays at > 10 <sup>14</sup> eV-A study of High Energy Muons in Extensive Air Showers	M.V.S.	Rao	1983	19/11/1983
S.K.	Gupta	Search for very high energy gamma rays from Pulsars	P.V.R.	Murthy	1983	09/08/1983
M.A.A.	Saad	Hyperfine Interaction studies in Intermetallic compounds through perturbed Angular Correlation Experiments	S.K.	Bhattacharjee	1983	21/09/1983

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N.K.	Mondal	Search for Proton Decay in the Kolar Gold Field Exoeriment	V.S.	Narsimahm	1983	
R.G.	Pillay	Hyperfine Interactions in Intermetallic Compounds and Alloys	H.G.	Devare	1983	15/02/1983
S.V.	Moholkar	Spectroscopy of Rare-Earth Nuclei from Projection Fromalism	C.S.	Warke	1983	21/07/1983
N.Vasant	Kumar	Studies on Nucleic Acid Flexibility and Proton-Nucleic Acid Interaction	G.	Govil	1983	18/11/1983
S.K.	Ghosh	Infrared Astronomical Observation Using Balloon-borne and Ground Based Telascopes	R.R.	Daniel	1983	07/05/1983
R.	Ramchandran	Studies in Gauge Theories: University and Generation Mixing	P.P.	Divakaran	1983	05/04/1983
G.K.	Jarori	Studies on the site of Brain Hexokinase: A Biophysical aproch using Magnetic Resonance techniques	U.w.	Kenkare	1983	07/11/1983
R.S.	Choughule	Spin-echo and Magnetization studies on Rare-Earth Intermetallic Compounds	R.	Vijayaraghavan	1983	07/05/1983
D.	Narasimha	Oscillatory and Non-oscillatory Valocity Fields in stars	S.M.	chitre	1984	01/03/1984
K.	Subramanian	The physical interpretation of some observable properties of Quasars	S.M.	Chitre	1984	28/08/1984
Avinash	Dhar	Some Investigation in Guage Theories: The problem of Renormalization Scheme Dependence of Perturbative Predictions in Quantum Chromaldynamics	V.	Gupta	1984	24/07/1984
V.R.	Prasad	Strong sychronization in distributed programming	M.	Joseph	1984	11/08/1984
Gautam	Thor	Retinotectal map in Lower Vertebrates	U.N.	Singh	1984	22/05/1984
N.	Natarajan	Communication and synchronization in Distributed programs	M.	Joseph	1984	11/08/1984
K.	Sudhakar	Study of Inclusive Gamma, II and direct electron production in pp interaction at Low Energies	A.	Subramanian	1984	29/05/1984
B.M.	Kurup	Study of the Electric Quadrupole Interaction Of Nuclear Excited States by TDPAC	B.V.	Thosar	1984	18/04/1984
M.N.	Vahia	On the study of the energetic particle emission from the sun	S.	Biswas	1984	04/05/1984
D.K.	Sharma	Effects of self-generated heat on MOS I-V characteristics	R.	Vijayaraghavan	1984	31/08/1984
N.	Gautam	Gene Regulation in Drosophila Melaongaster	P.K.	Maitra	1984	19/11/1984

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A.K.	Srivastava	Studies on GaAs Metal-semiconductor contacts with and without a Thin Interfacial Layer	R.	Vijayaraghavan	1984	23/03/1984
M.L.	Jhingan	Reaction Mechanism Studies with Low Energy Deuteron Beam and Investigation on Neutron Cross-section at 25 keV and from 5 to 2.8 Mev	R.	Ramanna	1984	31/03/1984
M.K.	Sinha	Synchronization of Transactions in Distributed Database Systems	Mathi	Joseph	1984	28/08/1984
K.	Vijayaraghavan	The Development of the musculature of Drosophila	O.	Siddiq	1985	27/05/1985
S.	Ramakrishnan	A Study of Normal & superconducting properties of Low Tc A-15 compounds	Girish	Chandra	1985	
Enakshi	Bhattavcharya	Photoconductivity and Space Charge Limited Currents in Amorphous Hydrogenated Silicon	K.V.	Ramnathan	1985	05/12/1985
S.	Chandrasekhar	Studies on Laser Recrystallised polycrystalline Silicon	R.	Vijayaraghavan	1985	17/12/1985
Kavita	Arora	Neuro-genetic Studies on Taste Mechanisms of Drosophila	O.	Siddiqi	1985	09/10/1985
D.J.	Sakia	Jets and compact features in Extragalactic radio sources	G.	Swarup	1985	25/10/1985
S.	Chakrabarti	Study of Inclusive Gamma-Production in p-p Interaction	P.K.	Malhotra	1985	01/11/1985
N.S.	Sundaresan	Electrochemistry at Modified Surfaces	K.V.S.	Santhanam	1985	09/02/1985
A.A.	Mehta	Spectroscopic Investigation on Bovine Brain Hexokinase	U.W.	Kenkare	1985	24/08/1985
A.R.	Rao	X-rays Activity of flare stars and RS Cvn Binaries	G.S.	Gokhale	1986	23/09/1986
Medha	Gautam	Yeast Phosphofructokinases, Genetics & Biochemistry	P.K.	Maitra	1986	21/03/1986
S.G.	Bhat	Studies on the Genetics of Drosophila development	O.	Siddiqi	1986	02/05/1986
D.	Rambabu	Magnetic studies of some Rare-Earth and Transition Metal Alloys	R.	Vijayaraghavan	1986	04/09/1986
G.	Rajaram	Mossbauer Effect and Low Temperature Resistivity studies in Fe-based amorphous Alloys	Girish	Chandra	1986	
Ranjan	Das	Time Domain electron Spin Resonance Studies of some Chemical systems	B.	Venkataraman	1986	
S.S	Narula	NMR studies of Biological Molecules conformation of Puromycin and its analogs and their Interaction with Nucleic Acids	G.	Govil	1986	05/04/1986

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K.	Muraleedharan	Studies on the spin-glass ordering in some Insulating spinels	R.	Vijayaraghavan	1986	26/06/1986
L.B	Dugad	NMR of Metalloporphyrins	S.	Mitra	1986	05/09/1986
P.K.	Ghosh	A Computational Theoretic Fremework for shape Representation and Analysis using the Minkowski Addition and Decomposition	R.	Narasimhan	1986	
Sunita.M	D'souza	Biochemistry & Physiology of Phospholipid Methylation in Drosophila Melanogaster	U.W.	Kenkare	1986	27/09/1986
K.	Samudravijaya	Ultrasonic & Dielectric Investigation in KH <sub>2</sub> PO <sub>4</sub> Type Ferroelectrics at Low Tempertures	R.	Vijayaraghavan	1986	23/08/1986
K.	Shankar	Study of charm Particle Production in 360 GeV/CII-p interaction	S.N.	Ganguli	1986	
Azam	Mofazzal	Gauge Invarint Local Fields for Chromodynamics	P.P.	Divakaran	1986	
S.	Sukumar	Radio continuum observation of Near by spiral Falaxies	G.	Swarup	1987	10/01/1987
Sanjay	Jain	Conformally Invariant Field Theory in two-dimensions & string in curved space-time	S.R.	Wadia	1987	04/09/1987
V.M.	Margan	Dynamical studies of large-scale structures in the Universe	R.	Cowsik	1987	22/04/1987
S.	Sinha	Search for Ultra High energy Gamma-ray from Cygnus X-3	M.V.S.	Rao	1987	23/08/1987
S.	Mishra	Hyperfine Interaction Studies in some Rare-Earth and Transition Metal Alloys	H.G.	Devare	1987	02/02/1987
S.D.	Mathur	Some Problems in the Structure of Galaxes	J.V.	Narlikar	1987	
Anu J	Sheth	Application of NMR to the Determination of the solution structure on the Nucleic Acids and proteins	G.	Govil	1987	
J.	Manjrekar	Studies on L-glutamate Dehydrogenase in Drosophila Malanogaster	U.W.	Kankare	1987	28/05/1987
P.	Ayyup	Some effects of Limiting the long-range order in Ferroelectric and Ferromagnetic Oxides	R.	Vijayaraghavan	1987	28/05/1987
A.P.	Bhagawat	Study of Ion Beam Induced Effects in Materials by Nuclear Techniques	H.G.	Devare	1988	28/03/1988
R.	Ramanujam	Specification, Theories and Models of Logic Programms	R.	Narasimhan	1988	14/07/1988
S.	Gupta	Investigation of the Quark Structure of Nuclei using High Energy Leptons and hadrons	B.	Banerjee	1988	12/02/1988
P.K.	Pandya	Computational verification of distributed programs	R.K.	Shyamasunder	1988	08/12/1988

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V.	Lakshmana	Studies in Physics of the Silicon-silicon dioxide systems	R.	Vijayaraghavan	1988	17/11/1988
G.	Venkatesh	Verification of Digital systems using Linear-Time temporal logic	R.K.	Shyamsunder	1988	22/06/1988
R.	Chaudhary	Some Studies in magnetism and superconductivity	S.S.	Jha	1988	10/03/1988
S.K.	Ghosh	A Computational Theoretic frame-work for shape representation and Analysis using the Minskavski addition and decomposition operators	R.K.	Shyamasunder	1988	30/09/1988
A.R.	Patnaik	Study of Extended Extra-galactic Radio Sources	G.	Swarup	1988	29/02/1988
P.R.	Apte	Electronic-Device Physics in Thin single crystal semiconductor Layers	B.M.	Arora	1988	05/12/1988
M.Ravi	Kumar	Two-Dimensional NMR Techniques and their Applications to solution structure of Nucleic Acids	G.	Govil	1988	29/03/1988
K.D.	Lodaya	Analysis and composition of Distributed Programmes	Mathai	Joseph	1988	22/04/1988
G.Naresh	Kumar	I)Theoretical Models on the Evolution of Primitive Cells and II) Experimental studies on the Molecular Biology of Bovine Brain Hexokinase	U.W.	Kenkare	1989	08/06/1989
P.K.	Paulose	Magnetic and Transport properties of Alloys	R.	Vijayaraghavan	1989	21/02/1989
T.P.	Singh	Quantum Theory in Strong Gravitational Fields	T.	Padmanabhan	1989	12/10/1989
R.	Shankar	Studies in Lattice Gauge Theories	P.P.	Divakaran	1989	23/02/1989
Gautam	Mandal	An approach to a Theory of String based on the space of two dimensional Field	S.R.	Wadia	1989	
A.A.	Diwan	Study of Numerical VLSI algorithms	R.K.	Shyamasundar	1989	30/08/1989
T.	Bhattacharya	Field Theory with supersymmetry and supergravity	Probir	Roy	1989	09/08/1989
S.Arun	Kumar	A Real-time Calculus of communicating systems	R.K.	Shyamasunder	1989	17/07/1989
T.R.	Seshadri	Physics of Early Universe	T.	Padmanabhan	1989	12/04/1989
A.K.	Singal	Lunar Occultation observation and study of cosmic size evolution of extragalactic radio-sources	G.	Swarup	1989	15/11/1989
Patrick Das	Gupta	Nov-evolving Luminosity function for radio-galaxies	J.V.	Narlikar	1989	27/01/1989
Prajval	Shasri	Relativistic beaming in active galactic nuclei	G.	Swarup	1990	26/10/1990
R.	Rajendran	Electrical and Optical Characterization of In 0.72 GAD. 28 AS 0.60 P 0.40: Ge	B.M.	Arora	1990	07/11/1990
V.J.P.	Srivatsavoy	Photochemical Studies on Anthraquinone and Aminoanthraquinones.	B.	Venkataraman	1990	29/06/1990
Jyoti T.	Singh	Fast Photometric Study of some Cataclysmic Variable stars	P.C.	Agrawal	1990	13/11/1990



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S.	Mazumdar	Electronic and structural Studies on Model Hemes by Nuclear Magnetic Resonance	S.	Mitra	1990	21/09/1990
C.R.	Bhuinya	Experimental Investigations on Heavy Neutrino mixing in the beta decay of medium heavy nuclei, <sup>12</sup> B, <sup>20</sup> F, <sup>32</sup> P and <sup>35</sup> S.	S.K.	Mitra	1990	29/10/1990
V.C.	Saranghar	A Study of development and differentiation in Zebrafish <i>Brachydanio rerio</i> .	U.N.	Singh	1990	28/05/1990
N.	Krishnan	Search for Intermediate Range Forces Weaker Than Gravity	R.	Cowsik	1990	06/03/1990
R.K.	Singh	Studies on Ionisation States of Anomalous and Low Energy Galactic Cosmic Rays	S.	Biswas	1991	24/01/1991
Sudeshna	Sinha	Dynamical Studies of Atomic and Molecular	G.	Govil	1991	25/03/1991
Sandeep	Modi	Study of Structure and Activity of Hemeprotein Enzymes by NMR Spectroscopy	S.	Mitra	1991	05/03/1991
D.K.	Mohanty	A Search for pulsating Radio Sources in the Neighbourhoods of supernova Remnants.	S.	Swarup	1991	12/04/1991
S.	Chakravarty	LEP Growth of Sn Doped AlGaAs and Investigation of Sn-Dx in AlGaAs.	B.M.	Arora	1991	06/03/1991
A.	Sinha	Pentose Phosphate Pathway in Yeast: Genetic and Bio-Chemistry	P.K.	Maitra	1991	02/05/1991
Anjan	Basu	Robust Power Spectrum Estimation Algorithms for Nongaussian Noise	P.V.S.	Rao	1993	13/08/1993