

Name : Dr. S. ISRAEL
Designation : Assistant Professor

Department : Physics

Date of Joining : 31.06.2001

Phone with Extn. No: 9865384403

Email : Israel.samuel@gmail.com



Educational Qualification:

DEGREE	SUBJECT	COLLEGE / UNIVERSITY & PLACE	YEAR COMPLETED
Ph.D	Physics	Madurai Kamaraj University, Madurai	2005
MPhil	Physics	MKU, Madurai	1991
MSc	Physics	NMSSVN College Madurai	1990
BSc	Physics	The American College	1988

Specialisation in Teaching:

- Solid State Physics
- Quantum Mechanics

Specialisation in Research:

- X-ray Crystallography

Research Interests:

Charge density studies in metals, semiconductors, dilute magnetic semiconductors and pharma compounds

Other Work Experience:

Position held	Institution	Level	From	To	Experience
Lecturer	NMSSVN College, Madurai	PG	July 1992	Oct 1995	31/2 yrs
Lecturer	Christ church College Kanpur, India	UG and PG	Oct 1995	June 2001	6 years
Assistant	The American College	UG, PG and M.Phil	June 2001	Till date	12 years
NCC divisional officer	The American College	UG	Oct 2003	Till Date	5 years

Administrative /Academic Position/s (held / currently holding):

Position held	Institution	Level	From	To	Experience
NCC divisional Officer	The American College	UG	Oct 2003	Till date	5 years
FDP substitute	The American College, Madurai	UG & PG	Dec 2004	March 2007	2 years

Membership in Professional Bodies:

Member in Indian Crystallographic Association

Publications:

Total : 20 papers

International : 17 papers

National : 3 papers

List of Research papers published by S. Israel:

39

2-Amino-4-methylpyridinium 2-hydroxybenzoate

P. Sivakumar, **S. Israel** and G. Chakkaravarthi

IUCr Data, Data reports Vol.1,Part 4 (2016)x161443

38

2-(4-Nitrophenyl)acetate 2-amino-4-methylpyridin-1-ium

P. Sivakumar, C. Anzline, **S. Israel** and G. Chakkaravarthi

IUCr Data, Data reports Vol.1,Part 4 (2016)x161433

37

2-Amino-4-methylpyridinium 4-hydroxybenzoate

P. Sivakumar, S. Sudhahar, **S. Israel** and G. Chakkaravarthi

IUCr Data, Data reports Vol.1,Part 4 (2016)x161425

36

2-Amino-4-methylpyridinium 4-methylbenzoate

P. Sivakumar, C. Anzline, **S. Israel** and G. Chakkaravarthi

IUCr Data, Data reports Vol.1,Part 4 (2016)x161411

35

2-Amino-3-methylpyridinium 3,4-dimethoxybenzoate

P. Sivakumar, R. Niranjana Devi, **S. Israel** and G. Chakkaravarthi

IUCr Data, Data reports Vol.1,Part 4 (2016)x161332

34

Investigation on van der Waals epitaxy gap in isostructural semiconducting germanium

Tellurides: HfGeTe₄ and ZrGeTe₄

R. A. J. R. Sheeba, **S. Israel** and S. Saravanakumar

Chinese journal of physics(Elsevier)54 (2016) 668–677

33

Bis(2-amino-6-methylpyridinium) 3-nitrobenzene-1,2-dicarboxylate

P. Sivakumar, S. Sudhahar, **S. Israel** and G. Chakkaravarthi

IUCr Data, Data reports Vol.1,Part 4 (2016)x161233

32

2-Amino-4-methylpyridinium 2-(4-nitrophenyl)-acetate

P. Sivakumar, S. Sudhahar, **S. Israel** and G. Chakkaravarthi

IUCr Data, Data reports Vol.1,Part 4 (2016)x161203

31

2-Amino-3-methylpyridinium 4-methoxybenzoate

P. Sivakumar, R. Niranjana Devi, **S. Israel** and G. Chakkaravarthi

IUCr Data, Data reports Vol.1,Part 4 (2016)x161126

30

2-Methylpyridinium 2-carboxy-6-nitrobenzoate

Sivakumar, P., Sudhahar, S., **Israel, S.** and Chakkaravarthi, G.

IUCr Data, Data reports Vol.1,Part 4 (2016)x161104

29

2-Amino-4-methylpyridinium 2-(3-methylphenyl)-acetate

Sivakumar, P., Sudhahar, S., **Israel, S.** and Chakkaravarthi, G.

IUCr Data, Data reports Vol.1,Part 4 (2016)x161098

28

3-Methylpyridinium 4-nitrobenzoate–4-nitrobenzoic acid(1/1)

P. Sivakumar, R. Niranjana Devi, **S. Israel** and G. Chakkaravarthi

IUCr Data, Data reports Vol.1,Part 4 (2016)x160979

27

X-ray derived experimental charge density distribution in GaF₃ and VF₃ solid systems

K.Sujatha , **S.Israel** , C.Anzline, R.Niranjana Devi and R.A.J.R.Sheeba.

Physica B: Condensed Matter 496(2016)74–81.

26

Piperazin-1-ium 4-aminobenzoate monohydrate

P. Sivakumar, A. Mani, S. Sudhahar, **S. Israel** and G. Chakkaravarthi

IUCr Data, Data reports Vol.1,Part 4 (2016) x160819.

25

2-Methylpyridinium 2-carboxybenzoate–benzene-1,2-dicarboxylic acid (2/1)

P. Sivakumar, S. Sudhahar, B. Gunasekaran, **S. Israel** and G. Chakkaravarthi

IUCr Data, Data reports Vol.1,Part 4 (2016) x160817.

24

2-Amino-6-methylpyridinium 2-hydroxybenzoate

P. Sivakumar, S. Sudhahar, **S. Israel** and G. Chakkaravarthi

IUCr Data, Data reports Vol.1,Part 4 (2016) x160747.

23

4-Aminobenzoic acid–quinoline (1/1)

P. Sivakumar, S. Sudhahar, **S. Israel** and G. Chakkaravarthi

IUCr Data, Data reports Vol.1,Part 4 (2016) x160604.

22

Structure and stability of a silicon cluster on sequential doping with carbon atoms

Mohammed Azeezulla Nazrulla, Krati Joshi, **S. Israel** and Sailaja Krishnamurty

Physica E: Low-dimensional Systems and Nanostructures, 76 (2016)173–180

21

Structural, magnetic and charge-related properties of nano-sized cerium manganese oxide, a

dilute magnetic oxide semiconductor

S. Saravanakumar, S. Sasikumar, **S. Israel**, G.R. Pradhiba, R. Saravanan

Materials Science in Semiconductor Processing 17 (2014) 186–193

20

The analysis on the rearrangement of charge density distribution in response to magnetic behavior in Mn doped SnO₂ nanoparticles

S. Saravanakumar, M. Pattammal, **S. Israel**, R.A.J.R.Sheeba, R. Saravanan,

Physica B: Condensed matter physics, 407 (2012) 302.

19

Analysis on insulator-metal transition in Yttrium doped LSMO from electron density distribution

S. Israel, S. Saravana Kumar, A. Renuretsan, R. A. J. R. Sheeba, R. Saravanan,

Bulletin of Material science, Vol.35.No.1 (2012) 111.

18

Localized ferromagnetic charge ordering through charge density analysis in nano sized diluted magnetic semiconductor Co²⁺:ZnO

K.S. Syed Ali, R. Saravanan, **S. Israel**, M. Açıkgöz, L. Arda,

Physica B:Condensed matter Physics 405 (2010) 1763–176.

17

Analysis on experimental valence charge density in Germanium at RT and 200 K

S. Israel, K.S. Syed Ali, R. A. J.R. Sheeba and R. Saravanan

Journal of Physics and Chemistry of Solids 70 (2009) 1185–1194

16

Growth of novel diluted magnetic semiconducting material Ge_{1-x}Mn_x and X-ray characterization by Maximum Entropy Method (MEM) and Pair Distribution Function (PDF)

R Saravanan, K. S. Syed Ali and **S. Israel**

Journal of Crystal Growth 311 (2009) 1110–1116.

15

X-ray analysis of charge density distribution in GaP at 296 and 200K using Multipole and MEM models

S. Israel, K.S. Syed Ali, R.A.J.R. Sheeba and R. Saravanan

Chinese Journal of Physics 47, 3(2009) 378-400

14

Electron density distribution in Si and Ge using multipole, maximum entropy method and pair distribution function.

R Saravanan, K. S. Syed Ali and **S. Israel**

Pramana – Journal of Physics, 70, 4,(2008).

13

Probabilistic Electron Density Distribution in CdTe at 200 K and 300 K.

R. Saravanan, **S. Israel**, R. K. Rajaram, Y. Ono, M. Isshiki and T. Kajitani.

Crystal Research and Technology 3, 41, (2006)

12

Electron density distribution and bonding in ZnSe and PbSe using maximum entropy method (MEM)

K. S. Syed Ali, R. Saravanan, **S. Israel**, R. K. Rajaram

Bulletin of Materials Science, 29, No.2, 107-114, Apr.2006

11

Bonding in ZnTe at RT, 200 and 100 K Revealed by Entropy Maximized Electron Density Distribution.

R. Saravanan, **S. Israel** and R. K. Rajaram

Physica B: 363/1-4,166-177, 2005

10

Bonding in Fluorite Compound CaF_2 Using MEM.

R. Saravanan and **S. Israel**.

Physica B: 352/1-4, 220-226, (2004).

9

Electronic Structure of InP at RT, 200K and 100K.

S. Israel, R. Saravanan, and R.K. Rajaram.

Physica B: 349, 390-400, (2004).

8

An investigation on the bonding in MgO, CaO, SrO and BaO from the MEM electron density distributions

S. Israel, R. Saravanan, N. Srinivasan and S.K. Mohanlal

Journal of Physics and Chemistry of Solids, 64, 879-886, (2003).

7

Electronic Charge Distribution in the Intermetallic Compound MnHg

R. Saravanan, **S. Israel**, S. Swaminathan, R. Kalidoss and M. Muruganantham

Crystal Research and Technology, 37, Issue 12, 1310-1317, (2002)

6

High Resolution Electron Density Mapping for LiF and NaF by Maximum Entropy Method (MEM)

S. Israel, R. Saravanan, N.Srinivasan, R. K. Rajaram

Journal of Physics and Chemistry of Solids, 64/1, 43-49, (2002).

5

X-ray structure of BaTiO_3 -Missed Opportunities

K. S. Chandrasekaran, S. K. Mohanlal, R. Saravanan, **S. Israel**

Acta Crystallographica, B56, 918-919, (2000)

4

Charge transfer in GaP and InP

R. Saravanan, **S. Israel**, N. Srinivasan, and S. K. Mohanlal

Phys. Status Solidi B (Germany), vol.194, no.2, 435-441, 1 APRIL, (1996), Akademie Verlag

3

Charge transfer in ZnSe

N. Srinivasan, R. Saravanan, **S. Israel**, and S. K. Mohanlal

Cryst. Res. Technol. (Germany), vol.31, no.1, K6-8, (1996), Akademie Verlag

2

Debye-Waller factors in Na_xC_{60}

N. Srinivasan, R. Saravanan, **S. Israel**, and S. K. Mohanlal

Cryst. Res. Technol. (Germany), vol.30, no.3, K37-9, (1995)

1

f'' of silicon from linear absorption measurements

N. Srinivasan, **S. Israel**, R. Saravanan, and S. K. Mohanlal

Cryst. Res. Technol. (Germany), vol.30, no.1, K1-3, (1995)

National: 22

Papers presented in Conferences/Symposia/Seminars/Workshops

35

Synthesis and characterization of Sm doped Nd_2O_3 nanoparticles using modified Pechini

method

Morris Marieli Antoinette and **S. Israel**

International conference on nanoscience, nanotechnology and advanced materials, Gitam University, Vishakapatnam, 2015, P-SYN-224.

34

Ab-initio studies of L-Alanine organic molecule

G.K.Priya Merline, **S. Israel**, C. Anzline, M. Chitra

National Conference on Advanced Materials Science – 2015, Jerusalem College of Engineering, Chennai. Page: 20-25 (ISBN 978-81-89843-73-1)

33

X-ray Analysis of the Charge Density Distribution in GaF₃

K. Sujatha, **S. Israel**, C. Anzline, R. Niranjana Devi

National Conference on Advanced Materials Science – 2015, Jerusalem College of Engineering, Chennai. Page: 39-44 (ISBN 978-81-89843-73-1)

32

Investigation on reactivity descriptors of 2,5-Lutidinium Bromanilate using DFT approach

R. Niranjana Devi, **S. Israel**, C. Anzline, P. Richard Rajkumar

National Conference on Advanced Materials Science – 2015, Jerusalem College of Engineering, Chennai. Page: 33-38 (ISBN 978-81-89843-73-1)

31

Molecular Structure, Population Analysis, Vibrational Spectroscopic and Chemical Reactivity studies of Nicotinohydrazide using DFT approach

C. Anzline, **S. Israel**, R. Niranjana Devi, P. Richard Rajkumar, K. Sujatha

National Conference on Advanced Materials Science – 2015, Jerusalem College of Engineering, Chennai. Page: 26-32. (ISBN 978-81-89843-73-1)

30

Luminescent properties of Nd₃₊ doped Sm₂O₃ nanoparticles and its correlation with X-ray derived charge density

Morris Marieli Antoinette, **S. Israel** and C. Anzline

Nano India - 2015, Sastra University, Tanjavur, January 2015, ID:1218

29

Topological and electron density analysis and electrostatic properties of N-(Phenylsulfonyl) acetamide: An experimental and theoretical study

R. Niranjana Devi, **S. Israel**, C. Anzline, P. Richard Rajkumar

National symposium on X-ray diffraction and recent advances in crystallography-2015, A-19, 2015, Periyar University, Salem

28

Molecular structure, vibrational spectroscopic and site selectivity studies in 5-amino-3-methyl-1,2-oxazole-4-carbonitrile using DFT technique.

C. Anzline, **S. Israel**, R. Niranjana Devi, P. Richard Rajkumar and W. Hannah Blessy

Journal of Research in Science, Vol.2, December 2014, pp. 35-39.

Recent Trends in Quantum Chemistry-2014, Nesamony memorial Christian college, Marthandam

27

Elucidation of reactivity descriptors for 2-mercaptobenzoic acid using Density functional Theory approach

R. Niranjana Devi, **S. Israel**, C. Anzline, P. Richard Rajkumar and W. Hannah Blessy

Journal of Research in Science, Vol.2, December 2014, pp. 25-30.

Recent Trends in Quantum Chemistry-2014, Nesamony memorial Christian college, Marthandam

26

Charge derived properties and site selectivity studies in 5-Amino-2-methyl benzene sulfonamide using XRD and DFT techniques

C. Anzline, **S. Israel**, R. Niranjana Devi and P. Richard Rajkumar

Theoretical chemistry Symposium- 2014, National chemical Laboratory, Pune

25

Structural and electronic properties of Phenyl acetic acid using Density functional Theory

C. Anzline, **S. Israel**, R. Niranjana Devi and P. Richard Rajkumar

National seminar on technologically important crystalline and amorphous solids, Kalasalingam University, Krishnan Koil, February - 2014, op-5,page - 43

24

Multipole analysis of charge density in Ampicilin trihydrate

C. Anzline, **S. Israel** and P. Richard Rajkumar

National seminar on technologically important crystalline and amorphous solids, Kalasalingam University, Krishnan Koil, February - 2013, pp-109

23

Analysis of charge density distribution in a pharmaceutical drug: Dapsone

R. Niranjana Devi, **S. Israel** and P. Richard Rajkumar

III National conference on Advanced Materials, PSN college of Engineering and Technology, Tirunelveli, January, 2013, Paper No: OP-21

22

Experimental charge density determination in iso-structural Tellurides: $\text{Hf}_{0.85}\text{GeTe}_4$ and ZrGeTe_4

S. Israel, S. Saravana Kumar, R.A.J.R. Sheeba and R. Saravanan

National seminar on Technologically important crystalline and amorphous solids (TICAS - 2012), Kalasalingam University, Krishnan Koil, February - 2012, Abstract no: PP 21

21

Multipole analysis of Charge density in a pharmaceutical solid system: Tolbutamide

S.ISRAEL, C. ANZLINE, and R.A.J.R. SHEEBA

International conference on recent trends in Advanced Materials, Vellore Institute of Technology University, Vellore, February- 2012, Abstract No: BMS Pr-11

20

Growth, X-ray Rietveld analysis and Charge density determination of nano sized SnO_2 with dopants.

S. Israel, B. Rajesh and R. Selvakumaran

3rd National seminar on Advances in Material Science, Manonmanium Sundaranar University, Tirunelveli, March 2009, Abstract No: OP22.

19

Electronic structure of Nano-sized $\text{Cd}_{1-x}\text{Mn}_x\text{S}$ from experimental charge density.

S. Israel, K.S. Syed Ali, R. A.J.R. Sheeba, P. Sathyasree and R. Saravanan.

International Conference on active/smart materials. Thiagarajar College of Engineering, Madurai, January 2009, Abstract No: Smart: 346

18

Debye –Waller factors from phonon density of states

S. Israel and S. Senthil Kumaran, R.A.J.R. Sheeba and K.S. Syed Ali

National seminar on Crystal growth of Laser and Non-linear optical materials (NSCGOM-2008), National College, Trichy, September 2008, Abstract No: 38.

17

Growth and characterization of Mn doped ZnSnSb_2 single crystals

S. Israel, M. Parameshwari, S. Senthil Kumaran, R.A.J.R. Sheeba and K.S. Syed Ali

National seminar on Crystal growth of Laser and Non-linear optical materials (NSCGOM-2008), National College, Trichy, September 2008, Abstract No: 39.

16

Synthesis and characterization of $Cd_{1-x}Mn_xS$ nano crystals

S. Israel, P.Sathyashree, K.S.Syed Ali, S. Senthil Kumaran ,and R.A.J.R.Sheeba

National seminar on Crystal growth of Laser and Non-linear optical materials (NSCGOM-2008), National College, Trichy, September 2008, Abstract No: 40.

15

Growth and characterization of single crystal of L-Aspragine Tartarate.

S.Israel, D. Mahendran and M. Praveen Rajkumar

12th National seminar on Crystal growth, SSN college of Engineering, SSN Nagar, December 2007, Abstract No: C65.

14

Multipole and MEM analyses of the electronic charge distribution in Germanium at RT and 200K.

S. Israel, K.S. Syed Ali and R. Saravanan.

12th National seminar on Crystal growth, SSN college of Engineering, SSN Nagar, December 2007, Abstract No: P17(1).

13

Experimental electron density in GaP at RT and 200K from single crystal X-ray data.

S. Israel, K.S. Syed Ali, R. A.J.R. Sheeba and R. Saravanan.

12th National seminar on Crystal growth, SSN college of Engineering, SSN Nagar, December 2007, Abstract No: P17(2).

12

Study of Electronic Charge Densities by MEM for NaCl at RT, 200 K and 78 K.

N. Srinivasan, A. Aarthy, A. Anitha, P. Nagapushpavalli, **S. Israel** and R. Saravanan

National Seminar on Crystallography, November, 2004, NCL, Pune. Abstract No. 120A.

11

Imaging of Electron Density Distributions of $SrCl_2$ by Maximum Entropy Method.

N. Srinivasan, **S. Israel** and R. Saravanan

National Seminar on Crystallography, November, 2004, NCL, Pune. Abstract No. 120AB.

10

Bonding in fluorite compound CaF_2 using MEM.

R. Saravanan and **S. Israel**

National Conference on Current Trends in Condensed Matter Research

September 20-22, Warangal, Pp15, 2004, Abstract No. 9.

9

Electronic Structure of ZnTe at RT, 200 K, 100 K.

S. Israel and R. Saravanan

National Conference on Current Trends in Condensed Matter Research

September 20-22, Warangal, Pp15, 2004, Abstract No. 10.

National Seminar on Crystallography – October, 24-26, Jammu, D-6, 2002

8

Charge Density Distribution Mapping of Copper, Chromium, Iron and Aluminium by Maximum Entropy Method (MEM).

S. Israel, R. Saravanan, N. Srinivasan and R.K. Rajaram

National Seminar on Crystallography – October, 24-26, Jammu, E-1, 2002

7

Oxygen Binding in BaO, CaO, MgO and SrO

R. Saravanan,**S. Israel** and N. Srinivasan

National Seminar on Crystallography – October, 24-26, Jammu, E-3, 2002

6

An Investigation on the Bonding in SrCl₂ at 300K and 80K

N. Srinivasan, **S. Israel** and R. Saravanan

National Seminar on Crystallography – October, 24-26, Jammu, E-6, 2002

5

MEM Bonding in NaCl at 78°K, 200°K and Room Temperature

N. Srinivasan, R. Saravanan, **S. Israel** and R. K. Rajaram

Proc. 45th SSP Symposium (DAE), 45, Chandigarh, 2002

4

Resolution of MEM (Maximum Entropy Method) Electron Density Maps: Case Study on KCl

R. Saravanan, N. Srinivasan, **S. Israel** and R. K. Rajaram

Proc. 45th SSP Symposium (DAE), 45, Chandigarh, 2002

3

Entropy Maximization Applied to the Electron Density in Sodium Metal

R. Saravanan, **S. Israel**, N. Srinivasan, H. Shameem Banu, B. Nagarajan and G. Chanthini Begum

II National Conference on Recent Advances in Materials Science – NCMS-2002, CSIR & DRDO, Trichy, December 11-12, 2002.

2

Bonding in vanadium Metal

R. Saravanan, **S. Israel**, N. Srinivasan, B. Nagarajan, H. Shameem Banu and G. Chanthini Begum

II National Conference on Recent Advances in Materials Science – NCMS-2002, CSIR & DRDO, Trichy, December 11-12, 2002.

1

Debye-Waller Factors in Na_xC₆₀

XXVI National Seminar on Crystallography, Mysore, January, 1995.

S. Israel, R. Saravanan, N. Srinivasan and S. K. Mohanlal

M.Phil thesis research work supervised by S. Israel

Total: 19 theses

MPhil theses research work supervised

1. Quantum chemical parameters of double phased zirconium dioxide nanoparticles from aynchrotron data
G. Christa Nancy, The American College, Madurai, 2010
2. Petrological and X-ray characterization of Minerals found near Madurai M. Kathija Banu, The American College, Madurai, 2010
3. Multipole analysis of charge density in anpharmaceutical solid system: Tolbuamide J. Vijay David, The American College, Madurai, 2010

4. Multipole analysis of the charge density in Chromium (III) Oxide P.X. Gladys Victoria, Bharthidhasan University, 2009.
5. Charge density analysis in Yttrium doped LSMO
S. Saravanakumar, The American College, 2009
6. MEM analysis on the charge density in GaN and InN
P.G. Gnanadurai, Madurai Kamaraj University, 2008.
7. Multipole analysis of the charge density in ZnTe at RT, 200K and 100K using single crystal X-ray data.
G. Anu Prabha, Madurai Kamaraj University, 2008.
8. MEM analysis on the charge density in $\text{GaAs}_{1-x}\text{Sb}_x$ ($x=0.0, 0.5, 1.0$)
D. Kanchana, Madurai Kamaraj University, 2008
9. Synthesis and characterization of polymer based nano composite PANI: AlF_2O_4
M.Pattammal, The American College, 2008
10. Estimation of multipole parameters from the charge density of Indium Oxide P.
Kannan Rajadurai, Bharathidhasan University, 2008.
11. Charge density distribution in rare gases by multipole and MEM analyses,
R. Alagurani, Manomaniam Sundaranar University, 2008
12. Charge density distribution study in InAs and $\text{In}_{0.5}\text{Te}_{0.5}$ using X-ray powder data,
K.Abraham, Madurai Kamaraj University, 2008.
13. Charge density distribution analysis in BaTiO_3 and CaTiO_3 ,
S. Eswara Gomathy, Manonmaniam Sundaranar University, 2008.
14. Electronic structure and multipole analysis of charge density of Aluminum Oxide,
K. Kallavandan, Bharathidhasan University, 2007
15. Multipole and topological analysis of charge density in strontium Titanate,
J. Vaseema, Manonmaniam Sundaranar University, 2007
16. Multipole analysis of charge density in CaF_2 using single crystal x-ray data
R. Senthil Kumar, Bharathidhasan University, 2006
17. Debye-waller factors of some elemental solids,
S. Senthil Kumaran, Bharathidhasan University, 2006
18. Preparation and Characterization of Mn Doped Cadmium Sulphide crystals by aqueous deposition method,
P. Sathyashree, The American College, 2006
19. Growth of Mn: ZnSnSb_2 and structure determination of ZnSnSb_2 ,
M. Nithyasuba, Manomaniam Sundaranar University, 2003.

Awards / Fellowship:

Awarded three R&D fellowship funded by The American College, Madurai

Awarded a UGC Major research Fellowship to the tune of Rs. 12 lakhs

If you are guiding Ph.D., students, please mention the name of the student and the title of the Ph.D., Thesis: (Please attach separate sheet/s, if needed)

Ongoing:

Name of the student	Title of the Thesis
R. Niranjana	Charge density studies in some pharmaceutical solid systems
C. Anzline	Accurate charge density determination in some organic compounds

UGC Sponsored Projects:

Major Project

Title	Year of Award	Amount Awarded	Status of the Project- Completed / Ongoing	Co-investigator, if any
Quantifying the electro static potential in some pharmaceutical solid systems	2012	Rs. 12,01,800	Ongoing	Dr. P. Richard Rajkumar

Other activities /academic credentials:

- (I) Commissioned as NCC officer with the rank of Lt. And working as the sub unit commander in the unit at The American College, Madurai for the past 10 years