

Bio-Data of Dr. A. Thiruvalluvar

1. Name : Dr. **A. THIRUVALLUVAR**, MRSC., FASCh.,
2. Date of Birth : 07-09-1961
3. Age : 55 Yrs.
4. Gender : Male
5. Designation : Principal
6. Official Address : Kunthavai Naacchiyar Govt. Arts College
for Women (Autonomous),
Thanjavur – 613 007,
Tamil Nadu, India.
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7. Residential Address : 63, Santhi Nagar,
N. K. Road,
Thanjavur – 613 006, Tamil Nadu, India.
- Phone No. : 04362-255490
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- e-mail : athiruvalluvar@yahoo.com
8. Permanent Address : 63, Santhi Nagar,
N. K. Road,
Thanjavur – 613 006, Tamil Nadu, India.



9. **Educational Qualifications:**

| Degree | Specialization | Year of Passing | Class/Div | School/College/University |
|----------|---|-----------------|-----------|--|
| S.S.L.C. | Tamil, English, Maths, Science, History & Geography | March 1978 | 362/500 | Little Flower High School, Kumbakonam |
| P.U.C. | Tamil, English, Maths, Physics & Chemistry | March 1979 | II Class | St. Joseph's College, Tiruchirappalli |
| B.Sc., | Physics Allied: Maths & Chemistry | June 1982 | A Grade | St. Joseph's College, Tiruchirappalli/ Madras University |
| M.Sc., | Physics | June 1984 | A Grade | St. Joseph's College, Tiruchirappalli/ Bharathidasan University |

| | | | | |
|------------|-------------------------------|----------------------------|--------------------------|---|
| M.Phil., | Physics | January 1987 | I Class Highly Commended | Bharathidasan University, Tiruchirappalli |
| *Ph.D., | Physics/X-ray Crystallography | 3 rd April 1998 | Commended | Bharathidasan University, Tiruchirappalli |
| P.G.D.C.A. | Computer Applications | April 2000 | First Class/ 74.9% | Bharathidasan University, Tiruchirappalli |

*Title of the Ph.D., Thesis: “X-ray Crystal and Molecular Structure Determination Of Some Heterocyclic Compounds”.

10. Teaching Experience:

| Post Held | Institute | Period | |
|--------------------------------|---|----------------------|---|
| | | From | To |
| Assistant Professor | GTM College, Gudiyattam | 11.03.1985 FN | 13.05.1985 AN |
| Assistant Professor | GA College, Dharmapuri | 14.05.1985 FN | 10.10.1985 AN |
| Assistant Professor | GA College, Udumalpet | 11.10.1985 FN | 02.09.1986 AN |
| Assistant Professor | MRGA College, Mannargudi | 03.09.1986 FN | 04.09.1991 AN |
| Research Scholar | Bharathidasan University, Tiruchirappalli | 05.09.1991 FN | 04.09.1993 AN 05.09.1993 FN TO 13.09.1993 AN EL |
| Lecturer | MRGA College, Mannargudi | 14.09.1993 FN | 23.04.1996 AN |
| Teacher Fellow | Bharathidasan University, Tiruchirappalli | 24.04.1996 FN | 31.03.1997 AN |
| Senior Lecturer | MRGA College, Mannargudi | 01.04.1997 FN | 16.06.1997 AN |
| Senior Lecturer | RSG College, Thanjavur | 17.06.1997 FN | 02.06.1998 AN |
| Reader | Rajah Serfoji Government College(A), Thanjavur | 03.06.1998 FN | 31.12.2005 AN |
| Associate Professor of Physics | Rajah Serfoji Government College(A), Thanjavur | 01.01.2006 FN | 17.10.2016 AN |
| Principal-Grade-II | Government Arts and Science College, Mudukulathur | 18.10.2016 FN | 02.11.2016 AN |
| Principal-Grade-I | Government College for Women (A), Kumbakonam | 03.11.2016 FN | 31.07.2017 AN |
| Principal-Grade-I | Kunthavai Naacchiyar Govt. Arts College for Women (A), Thanjavur | 01.08.2017 FN | Till Date |

11. **Research Experience:**

| Fellowship | Institute | Period | |
|------------------|--|--------|------|
| | | From | To |
| Research Scholar | Bharathidasan University, Tiruchirappalli | 1991 | 1993 |
| Teacher Fellow | Bharathidasan University, Tiruchirappalli | 1996 | 1997 |

12. **Research Publications : 147 Papers**Paper 147

IUCrData (2017). 2, x171114 [<https://doi.org/10.1107/S2414314617011142>]

4-Methoxybenzylammonium nitrate

P. Umarani, A. Thiruvalluvar and C. Ramachandra Raja

Paper 146

Acta Cryst. (2017). E73, 107-111 [<https://doi.org/10.1107/S2056989016020661>]

Crystal structures of three 3-chloro-3-methyl-2,6-diarylpiperidin-4-ones

R. Arulraj, S. Sivakumar, M. Kaur, A. Thiruvalluvar and J. P. Jasinski

Paper 145**St. Joseph's Journal of Humanities and Science**

(Volume 4 Issue 1 January 2017) 76-81.

X-Ray Crystal Structure, Molecular Structure, Spectral and Antimicrobial Activity of *t*-(3)-Benzyl-*r*-(2),*c*-(6)-Diphenyl Piperidin-4-One-Oxime

R. Arulraj, S. Sivakumar, K.Rajkumar, A.Manimekalai and A.Thiruvalluvar

Paper 144

IUCrData (2016). 1, x161982 [<https://doi.org/10.1107/S2414314616019829>]

t-3-Benzyl-*r*-2,*c*-6-diphenylpiperidin-4-one oxime

R. Arulraj, S. Sivakumar, A. Thiruvalluvar and A. Manimekalai

Paper 143

IUCrData (2016). 1, x161595 [<https://doi.org/10.1107/S2414314616015959>]

(*E*)-4-Nitro-2-[(phenylimino)methyl]phenol

R. Ida Malarselvi, C. Ramachandra Raja, A. Thiruvalluvar, J. Priscilla and K.PanneerSelvam

Paper 142

IUCrData (2016). 1, x161580 [<https://doi.org/10.1107/S2414314616015807>]

3-Chloro-*r*-2,*c*-6-bis(4-fluorophenyl)-3-methylpiperidin-4-one

R. Arulraj, S. Sivakumar, A. Thiruvalluvar, Manpreet Kaur and Jerry P. Jasinski

Paper 141

Chem Sci Rev Lett.(2016). 5(18), 99-105. Article CSN302047041

X-Ray Crystal Structure, Molecular Structure, Spectral And Antimicrobial Activity of *t*-(3)-Benzyl-*r*-(2),*c*-(6)-diphenylpiperidin-4-one

R. Arulraj,S. Sivakumar,A. Thiruvalluvarand A. Manimekalai

Paper 140*IUCrData* (2016). 1, x160188*t*-3-Benzyl-*r*-2,*c*-6-diphenylpiperidin-4-one

R. Arulraj, S. Sivakumar, A. Thiruvalluvar and A. Manimekalai

Paper 139*Acta Cryst.* (2015). E71, o119-o120.*Crystal structure of (E)-1-([1,1'-biphenyl]-4-yl)-3-(3-nitrophenyl)prop-2-en-1-one.*

D. Shanthi, T. Vidhyasagar, K. Rajeswari, M. Kayalvizhi, G. Vasuki & A. Thiruvalluvar

Paper 138*Acta Cryst.* (2015). E71, 1-3.*Crystal structure of (E)-1-(4'-methoxy-[1,1'-biphenyl]-4-yl)-3-(3-nitrophenyl)prop-2-en-1-one.*

T. Vidhyasagar, K. Rajeswari, D. Shanthi, M. Kayalvizhi, G. Vasuki & A. Thiruvalluvar

Paper 137*Acta Cryst.* (2015). E71, o65-o66.*Crystal structure of (E)-1-(4'-methyl-[1,1'-biphenyl]-4-yl)-3-(3-nitrophenyl)prop-2-en-1-one.*

T. Vidhyasagar, K. Rajeswari, D. Shanthi, M. Kayalvizhi, G. Vasuki & A. Thiruvalluvar

Paper 136*Acta Cryst.* (2014). E70, o809-o810 [[doi:10.1107/S1600536814014317](https://doi.org/10.1107/S1600536814014317)]*(E)-1-([1,1'-Biphenyl]-4-yl)-3-(2-methylphenyl)prop-2-en-1-one*D. Shanthi, T. Vidhya Sagar, M. Kayalvizhi, G. Vasuki and A. ThiruvalluvarPaper 135*Acta Cryst.* (2014). E70, o184 [[doi:10.1107/S1600536814001366](https://doi.org/10.1107/S1600536814001366)]*2-(1*H*-Benzimidazol-2-yl)phenol*

S. M. Prakash, A. Thiruvalluvar, S. Rosepriya and N. Srinivasan

CCDC reference: 982320

Paper 134*Acta Cryst.* (2014). E70, o55-o56 [[doi:10.1107/S160053681303331X](https://doi.org/10.1107/S160053681303331X)]*2-(Naphthalen-1-yl)-1-phenyl-1*H*-benzimidazole benzene hemisolvate***N. Srinivasan, A. Thiruvalluvar, S. Rosepriya, S. M. Prakash and R. J. Butcher**Paper 133*Acta Cryst.* (2014). E70, o122-o123 [[doi:10.1107/S160053681400018X](https://doi.org/10.1107/S160053681400018X)]*1,3,5-Tri-*p*-tolylpentane-1,5-diol*

A. Thiruvalluvar, R. Chithiravel, S. Muthusubramanian and R. J. Butcher

CCDC reference: 979742

Paper 132

Acta Cryst. (2013). E69, o801 [doi:10.1107/S1600536813010994]
7-Methyl-1-phenyl-1,10-dihydropyrazolo[3,4-*a*] carbazole
R. Archana, E. Yamuna, A. Thiruvalluvar, K. J. Rajendra Prasad, R. J. Butcher,
S. K. Gupta and S. Öztürk Yildirim

Paper 131

Acta Cryst. (2013). E69, o1508-o1509 [doi:10.1107/S1600536813024355]
1,5-Bis(4-chlorophenyl)-3-(4-methylphenyl)pentane-1,5-dione
R. Chithiravel, A. Thiruvalluvar, S. Muthusubramanian and R. J. Butcher

Paper 130

Acta Cryst. (2013). E69, o150 [doi:10.1107/S1600536812051203]
(*E*)-2-[(Furan-2-yl)methylidene]-7-methyl-2,3,4,9-tetrahydro-1*H*-carbazol-1-one
A. Thiruvalluvar, R. Archana, E. Yamuna, K. J. Rajendra Prasad, R. J. Butcher,
S. K. Gupta and S. Öztürk Yildirim

Paper 129

Acta Cryst. (2013). E69, o831 [doi:10.1107/S1600536813011823]
10-Methyl-2-oxo-4-phenyl-2,11-dihydropyrano[2,3-*a*]carbazole-3-carbonitrile
A. Thiruvalluvar, E. Yamuna, R. Archana, K. J. Rajendra Prasad and R. J. Butcher

Paper 128

Acta Cryst. (2013). E69, o62 [doi:10.1107/S1600536812049859]
2-(1-Phenyl-1*H*-benzimidazol-2-yl)phenol
A. Thiruvalluvar, S. Rosepriya, K. Jayamoorthy, J. Jayabharathi,
S. Öztürk Yildirim and R. J. Butcher

Paper 127

Acta Cryst. (2012). E68, o1887 [doi:10.1107/S1600536812022945]
2-Chloro-7,8,9,10-tetrahydrocyclohepta[*b*]indol-6(5*H*)-one
R. Archana, E. Yamuna, K. J. Rajendra Prasad, A. Thiruvalluvar, R. J. Butcher,
S. K. Gupta and S. Öztürk Yildirim

Paper 126

Acta Cryst. (2012). E68, o3283 [doi:10.1107/S1600536812044960]
1,2-Diphenyl-1*H*-benzimidazole
S. Rosepriya, A. Thiruvalluvar, K. Jayamoorthy, J. Jayabharathi,
S. Öztürk Yildirim and R. J. Butcher

Paper 125

Acta Cryst. (2012). E68, o3084 [doi:10.1107/S1600536812041438]
2-Methyl-3-(4-methylphenyl)-5,6-diphenyl-2,3-dihydropyrazine
A. Thiruvalluvar, N. Anuradha, S. Chitra, D. Devanathan and R. J. Butcher

Paper 124

Acta Cryst. (2012). E68, o3003 [doi:10.1107/S1600536812039827]
2-Ethyl-3,5,6-triphenylpyrazine
N. Anuradha, A. Thiruvalluvar, S. Chitra, D. Devanathan and R. J. Butcher

Paper 123

Acta Cryst. (2012). E68, o2880 [doi:10.1107/S1600536812037592]
 2-(4-Fluorophenyl)-1-(4-methylphenyl)-1*H*-phenanthro[9,10-*d*]imidazole
 S. Rosepriya, A. Thiruvalluvar, R. Sathishkumar, J. Jayabharathi,
 S. Öztürk Yildirim and R. J. Butcher

Paper 122

Acta Cryst. (2012). E68, o2641 [doi:10.1107/S1600536812034046]
 1-[4-(4-Isopropylphenyl)-6-methyl-2-sulfanylidene-1,2,3,4-
 tetrahydropyrimidin-5-yl]ethanone
 N. Anuradha, A. Thiruvalluvar, S. Chitra, D. Devanathan, O. O. Falola and
 R. J. Butcher

Paper 121

Acta Cryst. (2011). E67, o1642 [doi:10.1107/S1600536811019246]
 6-Methyl-2,3,4,9-tetrahydro-1*H*-carbazole-1-thione
 R. Archana, K. Prabakaran, K. J. Rajendra Prasad, A. Thiruvalluvar and
 R. J. Butcher

Paper 120

Acta Cryst. (2012). E68, o1887.
 R. Archana, E. Yamuna, K. J. Rajendra Prasad, A. Thiruvalluvar, R. J. Butcher,
 S. K. Gupta & S. Öztürk Yildirim . 2-Chloro-7,8,9,10-
 tetrahydrocyclohepta[*b*]indol-6(5*H*)-one.

Paper 119

Acta Cryst. (2012). E68, o256.
 S. Rosepriya, A. Thiruvalluvar, K. Saravanan, J. Jayabharathi & R. J. Butcher
 1-(3,5-Dimethoxyphenyl)-2-(4-fluorophenyl)-4,5-dimethyl-1*H*-imidazole.

Paper 118

Acta Cryst. (2011). E67, o3519 [doi:10.1107/S160053681105077X]
 1-(4-Methylbenzyl)-2-(4-methylphenyl)-1*H*-benzimidazole
 S. Rosepriya, A. Thiruvalluvar, K. Jayamoorthy, J. Jayabharathi and A. Linden

Paper 117

Acta Cryst. (2011). E67, o571 [doi:10.1107/S1600536811003758]
 1-Benzyl-3,5-bis[(*E*)-3-thienylmethylidene]piperidin-4-one
 P. Gayathri, A. Thiruvalluvar, K. Rajeswari, K. Pandiarajan and R. J. Butcher

Paper 116

Acta Cryst. (2011). E67, o1965 [doi:10.1107/S1600536811026328]
 2-(4-Fluorophenyl)-1-phenyl-1*H*-imidazo[4,5-*f*][1,10]phenanthroline monohydrate
 S. Rosepriya, M. Venkatesh Perumal, A. Thiruvalluvar, J. Jayabharathi,
 R. J. Butcher, J. P. Jasinski and J. A. Golen

Paper 115

Acta Cryst. (2011). E67, o1065 [doi:10.1107/S1600536811012098]
1-(3,5-Dimethylphenyl)-2-(4-fluorophenyl)-4,5-dimethyl-1*H*-imidazole
S. Rosepriya, A. Thiruvalluvar, J. Jayabharathi, N. Srinivasan, R. J. Butcher,
J. P. Jasinski and J. A. Golen

Paper 114

Acta Cryst. (2011). E67, o989 [doi:10.1107/S1600536811010890]
1,2-Diphenyl-1*H*-imidazo[4,5-*f*][1,10]phenanthroline
S. Rosepriya, A. Thiruvalluvar, J. Jayabharathi, M. Venkatesh Perumal,
R. J. Butcher, J. P. Jasinski and J. A. Golen

Paper 113

Acta Cryst. (2011). E67, o1642 [doi:10.1107/S1600536811019246]
6-Methyl-2,3,4,9-tetrahydro-1*H*-carbazole-1-thione
R. Archana, K. Prabakaran, K. J. Rajendra Prasad, A. Thiruvalluvar and
R. J. Butcher

Paper 112

Acta Cryst. (2011). E67, o1799 [doi:10.1107/S1600536811023890]
9-Ethyl-*N*-(3-nitrobenzylidene)-9*H*-carbazol-3-amine
R. Archana, E. Yamuna, K. J. Rajendra Prasad, A. Thiruvalluvar and R. J. Butcher

Paper 111

Acta Cryst. (2011). E67, o2598 [doi:10.1107/S1600536811036336]
2-(2-Chlorophenyl)-3-methyl-5,6-diphenyl-2,3-dihydropyrazine
N. Anuradha, S. Chitra, A. Thiruvalluvar, K. Pandiarajan, R. J. Butcher,
J. P. Jasinski and J. A. Golen

Paper 110

Acta Cryst. (2011). E67, o1325 [doi:10.1107/S1600536811016229]
5-Methyl-7,8,9,10-tetrahydrocyclohepta[*b*]indol-6(5*H*)-one
R. Archana, E. Yamuna, K. J. Rajendra Prasad, A. Thiruvalluvar and R. J. Butcher

Paper 109

Acta Cryst. (2010). E66, o2826 [doi:10.1107/S1600536810040535]
4,5-Dimethyl-2-phenyl-1-(*p*-tolyl)-1*H*-imidazole
P. Gayathri, A. Thiruvalluvar, N. Srinivasan, J. Jayabharathi and R. J. Butcher

Paper 108

Acta Cryst. (2010). E66, o2776 [doi:10.1107/S1600536810039784]
1-(3,5-Dimethylphenyl)-4,5-dimethyl-2-phenyl-1*H*-imidazole hemihydrate
P. Gayathri, A. Thiruvalluvar, N. Srinivasan, J. Jayabharathi and R. J. Butcher

Paper 107

Acta Cryst. (2010). E66, o2882 [doi:10.1107/S1600536810041772]
2,5-Dimethyl-7,8,9,10-tetrahydrocyclohepta[*b*]indol-6(5*H*)-one
R. Archana, E. Yamuna, K. J. Rajendra Prasad, A. Thiruvalluvar and R. J. Butcher

Paper 106

Acta Cryst. (2010). E66, o2841 [doi:10.1107/S1600536810040936]
(*E*)-*N*-(3,3-Dimethyl-2,6-diphenylpiperidin-4-ylidene)isonicotinohydrazide
C. Sankar, K. Pandiarajan, A. Thiruvalluvar and P. Gayathri

Paper 105

Acta Cryst. (2010). E66, o345 [doi:10.1107/S160053681000070X]
1-Diphenylmethylene-2-(9*H*-fluoren-9-ylidene)hydrazine
R. Archana, R. Anbazhagan, K. R. Sankaran, A. Thiruvalluvar and R. J. Butcher

Paper 104

Acta Cryst. (2010). E66, o3198 [doi:10.1107/S1600536810046714]
(*E*)-6-Chloro-2-(furan-2-ylmethylidene)-2,3,4,9-tetrahydro-1*H*-carbazol-1-one
R. Archana, E. Yamuna, K. J. Rajendra Prasad, A. Thiruvalluvar and R. J. Butcher

Paper 103

Acta Cryst. (2010). E66, o3146 [doi:10.1107/S1600536810045769]
1-(1-Hydroxy-8-methyl-9*H*-carbazol-2-yl)ethanone
R. Archana, K. Prabakaran, K. J. Rajendra Prasad, A. Thiruvalluvar and
R. J. Butcher

Paper 102

Acta Cryst. (2010). E66, o3145 [doi:10.1107/S1600536810045599]
(*E*)-2-(Furan-2-ylmethylidene)-8-methyl-2,3,4,9-tetrahydro-1*H*-carbazol-1-one
R. Archana, E. Yamuna, K. J. Rajendra Prasad, A. Thiruvalluvar and R. J. Butcher

Paper 101

Acta Cryst. (2010). E66, o2219 [doi:10.1107/S1600536810030072]
4,5-Dimethyl-1,2-diphenyl-1*H*-imidazole monohydrate
P. Gayathri, A. Thiruvalluvar, K. Saravanan, J. Jayabharathi and R. J. Butcher

Paper 100

Acta Cryst. (2010). E66, o2280 [doi:10.1107/S1600536810031296]
1-(6-Methyl-4-phenyl-2-sulfanylidene-1,2,3,4-tetrahydropyrimidin-5-yl)ethanone
N. Anuradha, A. Thiruvalluvar, S. Chitra, K. Pandiarajan and R. J. Butcher

Paper 99

Acta Cryst. (2010). E66, o2299-o2300 [doi:10.1107/S1600536810031545]
8-Methyl-2,3,4,9-tetrahydro-1*H*-carbazol-1-one
R. Archana, E. Yamuna, K. J. Rajendra Prasad, A. Thiruvalluvar and R. J. Butcher

Paper 98

Acta Cryst. (2010). E66, o1791 [doi:10.1107/S1600536810024104]
2-(4-Fluorophenyl)-1-(4-methoxyphenyl)-4,5-dimethyl-1*H*-imidazole
P. Gayathri, J. Jayabharathi, K. Saravanan, A. Thiruvalluvar and R. J. Butcher

Paper 97

Acta Cryst. (2010). E66, o1713 [doi:10.1107/S1600536810022671]
 2-(2,3,4,9-Tetrahydro-1*H*-carbazol-1-ylidene)propanedinitrile
 R. Archana, K. Prabakaran, K. J. Rajendra Prasad, A. Thiruvalluvar and
 R. J. Butcher

Paper 96

Acta Cryst. (2010). E66, o1703 [doi:10.1107/S1600536810022841]
 2-(4-Fluorophenyl)-4,5-dimethyl-1-(4-methylphenyl)-1*H*-imidazole
 P. Gayathri, J. Jayabharathi, N. Srinivasan, A. Thiruvalluvar and R. J. Butcher

Paper 95

Acta Cryst. (2010). E66, o1586 [doi:10.1107/S1600536810020702]
 (*E*)-1-Diphenylmethylidene-2-[(1*H*-indol-3-yl)methylidene]hydrazine
 R. Archana, R. Anbazhagan, K. R. Sankaran, A. Thiruvalluvar and R. J. Butcher

Paper 94

Acta Cryst. (2010). E66, o2519 [doi:10.1107/S1600536810035464]
 2-(4-Fluorophenyl)-1,4,5-triphenyl-1*H*-imidazole
 P. Gayathri, A. Thiruvalluvar, N. Srinivasan, J. Jayabharathi and R. J. Butcher

Paper 93

Acta Cryst. (2010). E66, o1896 [doi:10.1107/S1600536810025353]
 Ethyl 4-(4-bromophenyl)-6-*r*-phenyl-2-oxocyclohex-3-ene-1-*t*-carboxylate
 N. Anuradha, A. Thiruvalluvar, C. Yuvaraj, K. Pandiarajan and R. J. Butcher

Paper 92

Spectrochimica Acta Part A.(2010). 77, 687–695.
 Molecular structures, spectral and computational studies on nicotinohydrazides
 A. Manimekalaia, N. Saradhadevi, and A. Thiruvalluvar

Paper 91

Acta Cryst. (2009). E65, o546 [doi:10.1107/S1600536809005042]
 2-Methyl-3,5,6-triphenyl-2,3-dihydropyrazine
 N. Anuradha, A. Thiruvalluvar, K. Pandiarajan, S. Chitra and R. J. Butcher

Paper 90

Acta Cryst. (2009). E65, o3036 [doi:10.1107/S160053680904639X]
 5-Acetyl-4-(4-methoxyphenyl)-6-methyl-3,4-dihydropyrimidine-2(1*H*)-thione
 N. Anuradha, A. Thiruvalluvar, K. Pandiarajan, S. Chitra and R. J. Butcher

Paper 89

Acta Cryst. (2009). E65, o3068 [doi:10.1107/S1600536809047187]
 5-Acetyl-4-(2-chlorophenyl)-6-methyl-3,4-dihydropyrimidine-2(1*H*)-thione
 N. Anuradha, A. Thiruvalluvar, K. Pandiarajan, S. Chitra and R. J. Butcher

Paper 88

Acta Cryst. (2009). E65, o3083 [doi:10.1107/S1600536809046753]
t-3-Pentyl-*r*-2,*c*-6-diphenylpiperidin-4-one
P. Gayathri, J. Jayabharathi, G. Rajarajan, A. Thiruvalluvar and R. J. Butcher

Paper 87

Acta Cryst. (2009). E65, o2813 [doi:10.1107/S1600536809042457]
1-Formyl-*r*-2,*c*-6-bis(4-methoxyphenyl)-*t*-3-methylpiperidin-4-one
P. Gayathri, P. Sakthivel, S. Ponnuswamy, A. Thiruvalluvar and R. J. Butcher

Paper 86

Acta Cryst. (2009). E65, o2953 [doi:10.1107/S160053680904481X]
2,5-Diphenylpenta-2,4-dienenitrile
R. Archana, A. Balamurugan, A. Manimekalai, A. Thiruvalluvar and R. J. Butcher

Paper 85

Acta Cryst. (2009). E65, o2833 [doi:10.1107/S1600536809043001]
N-(3-Phenylallylidene)nicotinohydrazide monohydrate
R. Archana, N. Saradhadevi, A. Manimekalai, A. Thiruvalluvar and R. J. Butcher

Paper 84

Acta Cryst. (2009). E65, o2445 [doi:10.1107/S160053680903579X]
3,3-Dimethyl-*cis*-2,6-di-*p*-tolylpiperidin-4-one
P. Gayathri, S. S. Ilango, S. Ponnuswamy, A. Thiruvalluvar and R. J. Butcher

Paper 83

Acta Cryst. (2009). E65, o1659 [doi:10.1107/S1600536809023368]
N-(2-Methyl-3-phenylallylidene)nicotinohydrazide monohydrate
R. Archana, A. Manimekalai, N. Saradhadevi, A. Thiruvalluvar and R. J. Butcher

Paper 82

Acta Cryst. (2009). E65, o698 [doi:10.1107/S1600536809007429]
4-Methyl-7,8,9,10-tetrahydrocyclohepta[*b*]indol-6(5*H*)-one
M. Sridharan, K. J. Rajendra Prasad, A. Thomas Gunaseelan,
A. Thiruvalluvar and R. J. Butcher

Paper 81

Acta Cryst. (2009). E65, o885 [doi:10.1107/S1600536809010393]
1-Methyl-3,5-bis[(*E*)-(3-methyl-2-thienyl)methylene]piperidin-4-one monohydrate
K. Rajeswari, K. Pandiarajan, P. Gayathri and A. Thiruvalluvar

Paper 80

Acta Cryst. (2009). E65, o830 [doi:10.1107/S1600536809009854]
4,8-Dimethylpyrano[2,3-*a*]carbazol-2(11*H*)-one
M. Sridharan, K. J. Rajendra Prasad, A. Thomas Gunaseelan,
A. Thiruvalluvar and R. J. Butcher

Paper 79

Acta Cryst. (2009). E65, o1946-o1947 [doi:10.1107/S1600536809028050]
3-Methyl-3,4-dihydro-9*H*-carbazol-1(2*H*)-one
A. Thomas Gunaseelan, K. Prabakaran, K. J. Rajendra Prasad,
A. Thiruvalluvar and R. J. Butcher

Paper 78

Acta Cryst. (2009). E65, o23 [doi:10.1107/S1600536808040270]
5-Acetyl-4-(4-methoxyphenyl)-6-methyl-3,4-dihydropyrimidin-2(1*H*)-one
S. Chitra, K. Pandiarajan, N. Anuradha and A. Thiruvalluvar

Paper 77

Acta Cryst. (2009). E65, o191 [doi:10.1107/S1600536808043055]
Ethyl 6-*r*-(2-chlorophenyl)-2-oxo-4-phenylcyclohex-3-ene-1-*t*-carboxylate
N. Anuradha, A. Thiruvalluvar, K. Pandiarajan and C. Yuvaraj

Paper 76

Acta Cryst. (2009). E65, o106 [doi:10.1107/S1600536808041627]
2,3,5-Triphenylpyrazine
N. Anuradha, A. Thiruvalluvar, K. Pandiarajan, S. Chitra and R. J. Butcher

Paper 75

Acta Cryst. (2009). E65, o564-o565 [doi:10.1107/S1600536809005029]
5-Acetyl-4-(4-chlorophenyl)-6-methyl-3,4-dihydropyrimidine-2(1*H*)-thione
N. Anuradha, A. Thiruvalluvar, K. Pandiarajan, S. Chitra and R. J. Butcher

Paper 74

Acta Cryst. (2008). E64, o1635 [doi:10.1107/S1600536808023441]
6-Chloro-3,4-dihydro-9*H*-carbazol-1(2*H*)-one
M. Sridharan, K. J. R. Prasad, A. T. Gunaseelan, A. Thiruvalluvar and R. J. Butcher

Paper 73

Acta Cryst. (2008). E64, o61 [doi:10.1107/S1600536807061685]
2-(2-Methoxyphenyl)-4,4-dimethyl-4,5-dihydro-1,3-oxazole
A. Thiruvalluvar, R. J. Butcher, P. Karegoudar and B. S. Holla

Paper 72

Acta Cryst. (2008). E64, o60 [doi:10.1107/S1600536807062010]
(2*E*)-1-(4-Methylphenyl)-3-(2,3,5-trichlorophenyl)prop-2-en-1-one
A. Thiruvalluvar, M. Subramanyam, R. J. Butcher, P. Karegoudar and B. S. Holla

Paper 71

Acta Cryst. (2008). E64, o1066 [doi:10.1107/S1600536808013822]
3-Methyl-5-(4-methylphenyl)cyclohex-2-enone
R. T. S. Mohan, S. Kamatchi, M. Subramanyam, A. Thiruvalluvar and A. Linden

Paper 70

Acta Cryst. (2008). E64, o1006 [doi:10.1107/S1600536808012816]
5-(4-Chlorophenyl)-1-methyl-3-oxocyclohexanecarbonitrile
R. T. S. Mohan, S. Kamatchi, M. Subramanyam, A. Thiruvalluvar and A. Linden

Paper 69

Acta Cryst. (2008). E64, o1020 [doi:10.1107/S1600536808012956]
3-Methyl-5-(3-phenoxyphenyl)cyclohex-2-enone
R. T. S. Mohan, S. Kamatchi, M. Subramanyam, A. Thiruvalluvar and A. Linden

Paper 68

Acta Cryst. (2008). E64, o2367 [doi:10.1107/S1600536808037355]
2-*r*-(4-Chlorophenyl)-6-*c*-phenyl-3,4,5,6-tetrahydro-2*H*-thiopyran-4-one 1-oxide
A. Thiruvalluvar, S. Balamurugan, R. J. Butcher, K. Pandiarajan and D. Devanathan

Paper 67

Acta Cryst. (2008). E64, o2375 [doi:10.1107/S1600536808037562]
{5-Methyl-1-[8-(trifluoromethyl)quinolin-4-yl]-1*H*-1,2,3-triazol-4-yl}(morpholino)methanone
N. Anuradha, A. Thiruvalluvar, M. Mahalinga and R. J. Butcher

Paper 66

Acta Cryst. (2008). E64, o2328 [doi:10.1107/S1600536808036830]
r-2,*c*-6-Bis(4-methoxyphenyl)-*c*-3,*t*-3-dimethylpiperidin-4-one
S. Ponnuswamy, V. Mohanraj, P. Gayathri, A. Thiruvalluvar and R. J. Butcher

Paper 65

Acta Cryst. (2008). E64, o2312 [doi:10.1107/S1600536808036325]
r-2,*c*-6-Bis(4-chlorophenyl)-*c*-3,*t*-3-dimethylpiperidin-4-one
S. S. Ilango, S. Ponnuswamy, P. Gayathri, A. Thiruvalluvar and R. J. Butcher

Paper 64

Acta Cryst. (2008). E64, o2474-o2475 [doi:10.1107/S1600536808039366]
5-Acetyl-4-(2-chlorophenyl)-6-methyl-3,4-dihydropyrimidin-2(1*H*)-one
N. Anuradha, A. Thiruvalluvar, K. Pandiarajan, S. Chitra and R. J. Butcher

Paper 63

Acta Cryst. (2008). E64, o362 [doi:10.1107/S1600536807067943]
4-(4-Bromophenylhydrazono)-1-(5-bromopyrimidin-2-yl)-3-methyl-2-pyrazolin-5-one
M. Subramanyam, B. Lingappa, A. Thiruvalluvar, R. J. Butcher and B. Kalluraya

Paper 62

Acta Cryst. (2008). E64, o2118-o2119 [doi:10.1107/S1600536808032807]
(*E*)-3-(4-Fluorophenyl)-1-[4-(methylsulfanyl)phenyl]prop-2-en-1-one
N. Anuradha, A. Thiruvalluvar, M. Mahalinga and R. J. Butcher

Paper 61

Acta Cryst. (2008). E64, o2160 [doi:10.1107/S1600536808033837]
1-[3-(2,4-Dichloro-5-fluorophenyl)-5-(3-methyl-2-thienyl)-4,5-dihydro-1H-pyrazol-1-yl]ethanone
N. Anuradha, A. Thiruvalluvar, M. Mahalinga and R. J. Butcher

Paper 60

Acta Cryst. (2008). E64, o1973 [doi:10.1107/S1600536808029723]
r-2,*c*-6-Bis(4-chlorophenyl)-*t*-3-isopropyl-1-nitrosopiperidin-4-one
P. Gayathri, A. Thiruvalluvar, A. Manimekalai, S. Sivakumar and R. J. Butcher

Paper 59

Acta Cryst. (2008). E64, o1263 [doi:10.1107/S1600536808017200]
(*E*)-1-[4-(Methylsulfanyl)phenyl]-3-phenylprop-2-en-1-one
A. Thiruvalluvar, M. Subramanyam, R. J. Butcher, T. Karabasanagouda and A. V. Adhikari

Paper 58

Acta Cryst. (2008). E64, o1211 [doi:10.1107/S1600536808016449]
t-3-Benzyl-*r*-2,*c*-6-bis(4-methoxyphenyl)piperidin-4-one oxime
J. Jayabharathi, A. Thangamani, S. Balamurugan, A. Thiruvalluvar and A. Linden

Paper 57

Acta Cryst. (2008). E64, o1181 [doi:10.1107/S1600536808015717]
t-3-Benzyl-*r*-2,*c*-6-bis(4-methoxyphenyl)piperidin-4-one
J. Jayabharathi, A. Thangamani, S. Balamurugan, A. Thiruvalluvar and A. Linden

Paper 56

Acta Cryst. (2008). E64, o1697 [doi:10.1107/S160053680802463X]
7,8,9,10-Tetrahydrocyclohepta[*b*]indol-6(5*H*)-one
M. Sridharan, K. J. R. Prasad, A. T. Gunaseelan, A. Thiruvalluvar and R. J. Butcher

Paper 55

Acta Cryst. (2008). E64, o763-o764 [doi:10.1107/S1600536808007885]
6-Methoxy-2,3,4,9-tetrahydro-1*H*-carbazol-1-one
M. Sridharan, K. J. R. Prasad, A. T. Gunaseelan, A. Thiruvalluvar and A. Linden

Paper 54

Acta Cryst. (2008). E64, o818 [doi:10.1107/S1600536808009070]
1-Methyl-5-(4-methylphenyl)-3-oxocyclohexane-1-carbonitrile
R. T. S. Mohan, S. Kamatchi, M. Subramanyam, A. Thiruvalluvar and A. Linden

Paper 53

Acta Cryst. (2008). E64, o797 [doi:10.1107/S160053680800860X]
(1-Acetyl-2,6-diphenylpiperidin-4-ylidene)(phenyl)acetonitrile
A. Manimekalai, A. Balamurugan, S. Balamurugan, A. Thiruvalluvar and R. J. Butcher

Paper 52

Acta Cryst. (2008). E64, o59 [doi:10.1107/S1600536807062204]
t-3-Ethyl-*r*-2,*c*-6-bis(2-furyl)piperidin-4-one
S. Balamurugan, A. Thiruvalluvar, R. J. Butcher, A. Manimekalai and J. Jayabharathi

Paper 51

Acta Cryst. (2007). E63, o4482 [doi:10.1107/S160053680705341X]
r-2,*c*-6-Bis(4-chlorophenyl)-*t*-3-isopropylpiperidin-4-one
A. Thiruvalluvar, S. Balamurugan, R. J. Butcher, A. Manimekalai and S. Sivakumar

Paper 50

Acta Cryst. (2007). E63, o4486 [doi:10.1107/S1600536807053111]
2-(4-Fluorophenyl)-6-phenyltetrahydro-2*H*-thiopyran-4-one 1-oxide
A. Thiruvalluvar, S. Balamurugan, R. J. Butcher, K. Pandiarajan and D. Devanathan

Paper 49

Acta Cryst. (2007). E63, o4264 [doi:10.1107/S1600536807048519]
2,4,4-Trimethyl-*N*-phenyl-2,3,4,5-tetrahydro-1*H*-1,5-benzodiazepine-1-carboxamide
A. Thiruvalluvar and S. Ponnuswamy

Paper 48

Acta Cryst. (2007). E63, o2413-o2414 [doi:10.1107/S1600536807018193]
Methyl 6-methyl-1-oxo-2,3,4,9-tetrahydrocarbazole-2-carboxylate
A. T. Gunaseelan, A. Thiruvalluvar, A. E. Martin and K. J. R. Prasad

Paper 47

Acta Cryst. (2007). E63, o3504 [doi:10.1107/S1600536807034010]
t-3,*t*-5-Dimethyl-*r*-2,*c*-6-diphenylpiperidin-4-one
S. Balamurugan, A. Thiruvalluvar, A. Manimekalai and J. Jayabharathi

Paper 46

Acta Cryst. (2007). E63, o3631 [doi:10.1107/S1600536807035222]
3,9-Dimethyl-10*H*-isoxazolo[5,4-*a*]carbazole
A. Thiruvalluvar, A. T. Gunaseelan, A. E. Martin, K. J. R. Prasad and R. J. Butcher

Paper 45

Acta Cryst. (2007). E63, o3362 [doi:10.1107/S1600536807031443]
1-(5-Bromopyrimidin-2-yl)-3-phenyl-1*H*-pyrazole-4-carbaldehyde
A. Thiruvalluvar, M. Subramanyam, B. Kalluraya and B. Lingappa

Paper 44

Acta Cryst. (2007). E63, o3622 [doi:10.1107/S1600536807035660]
Methyl 1-oxo-2,3,4,9-tetrahydro-1*H*-carbazole-2-carboxylate
A. Thiruvalluvar, A. T. Gunaseelan, A. E. Martin, K. J. R. Prasad and R. J. Butcher

Paper 43

Acta Cryst. (2007). E63, o3471 [doi:10.1107/S160053680703351X]
1,10-Dihydro-3,9-dimethylpyrazolo[3,4-*a*]carbazole
A. E. Martin, A. T. Gunaseelan, A. Thiruvalluvar, K. J. R. Prasad and R. J. Butcher

Paper 42

Acta Cryst. (2007). E63, o3425 [doi:10.1107/S1600536807032448]
 5-[(4,6-Dimethylpyrimidin-2-ylsulfanyl)methyl]-3-(morpholinomethyl)-
 1,3,4-oxadiazole-2(3*H*)-thione
 A. Thiruvalluvar, M. Subramanyam, B. Lingappa and B. Kalluraya

Paper 41

Acta Cryst. (2007). E63, o3524 [doi:10.1107/S1600536807034307]
 9-Methyl-2,3,4,9-tetrahydro-1*H*-carbazol-1-one
 A. Thiruvalluvar, A. T. Gunaseelan, A. E. Martin, K. J. R. Prasad and R. J. Butcher

Paper 40

Acta Cryst. (2007). E63, o2717 [doi:10.1107/S1600536807020399]
 1-Methyl-5-(3-nitrophenyl)-3-oxocyclohexanecarbonitrile
 M. Subramanyam, A. Thiruvalluvar, R. T. S. Mohan and S. Kamatchi

Paper 39

Acta Cryst. (2007). E63, o1650-o1652 [doi:10.1107/S1600536807010252]
 2-(2-Chlorophenyl)-4,5-diphenyl-1*H*-imidazole
 A. Thiruvalluvar, S. Balamurugan, A. Puratchikody and M. Nallu

Paper 38

Acta Cryst. (2007). E63, o3093 [doi:10.1107/S160053680702644X]
 Methyl 9-methyl-1-oxo-2,3,4,9-tetrahydro-1*H*-carbazole-2-carboxylate
 A. Thiruvalluvar, A. T. Gunaseelan, A. E. Martin, K. J. R. Prasad and R. J. Butcher

Paper 37

Acta Cryst. (2007). E63, o4149 [doi:10.1107/S1600536807046296]
 2-[2,6-Bis(4-methoxyphenyl)tetrahydrothiopyran-4-ylidene]malononitrile
 A. Thiruvalluvar, S. Balamurugan, A. Manimekalai and J. Anusuya

Paper 36

Acta Cryst. (2007). E63, o4770 [doi:10.1107/S1600536807058205]
 1-Acetyl-3-[4-(methylsulfanyl)phenyl]-5-(4-nitrophenyl)-4,5-dihydro-1*H*-pyrazole
 A. Thiruvalluvar, M. Subramanyam, R. J. Butcher and M. Mahalinga

Paper 35

Acta Cryst. (2007). E63, o4853 [doi:10.1107/S1600536807060059]
 2-[2,6-Bis(2-chlorophenyl)piperidin-4-ylidene]malononitrile
 S. Balamurugan, A. Thiruvalluvar, R. J. Butcher, A. Manimekalai and J. Jayabharathi

Paper 34

Acta Cryst. (2007). E63, o4826 [doi:10.1107/S1600536807058849]
 1,*t*-3-Dimethyl-*r*-2,*c*-6-diphenylpiperidin-*c*-4-yl acetate
 S. Balamurugan, A. Thiruvalluvar, R. J. Butcher, A. Manimekalai and J. Jayabharathi

Paper 33

Acta Cryst. (2007). E63, o4535 [doi:10.1107/S1600536807054554]
Ethyl 5-amino-1-(5-bromopyrimidin-2-yl)-1*H*-pyrazole-4-carboxylate
M. Subramanyam, B. Lingappa, A. Thiruvalluvar, B. Kalluraya and R. J. Butcher

Paper 32

Acta Cryst. (2007). E63, o2910 [doi:10.1107/S1600536807023112]
t-3-Benzyl-*r*-2,*c*-6-di-2-furylpiperidin-4-one
A. Thiruvalluvar, S. Balamurugan, J. Jayabharathi and A. Manimekalai

Paper 31

Acta Cryst. (2007). E63, o2886 [doi:10.1107/S1600536807022131]
3-Ethyl-2,6-diphenylpiperidin-4-ol
A. Thiruvalluvar, S. Balamurugan, J. Jayabharathi, A. Manimekalai and G. Rajarajan

Paper 30

Acta Cryst. (2007). E63, o2909 [doi:10.1107/S1600536807022398]
N-Benzoyl-*r*-2,*c*-6-di-2-furyl-*t*-3-methylpiperidin-4-one
A. Thiruvalluvar, S. Balamurugan, A. Manimekalai, K. Selvaraju and
T. Maruthavanan

Paper 29

Acta Cryst. (2007). E63, o2780 [doi:10.1107/S1600536807020892]
3-Hydroxyimino-1-methyl-5-phenylcyclohexane-1-carbonitrile
A. Thiruvalluvar, M. Subramanyam, R. T. S. Mohan, S. Kamatchi and K. Murugavel

Paper 28

Acta Cryst. (2007). E63, o2911 [doi:10.1107/S1600536807024440]
3-(4-Chlorophenyl)-1-(4,6-dimethylpyrimidin-2-yl)-1*H*-pyrazole-4-carbaldehyde
A. Thiruvalluvar, M. Subramanyam, B. Kalluraya and B. Lingappa

Paper 27

Acta Cryst. (2007). E63, o2903 [doi:10.1107/S1600536807022386]
(2,6-Diphenylpiperidin-4-ylidene)(phenyl)acetonitrile
A. Thiruvalluvar, S. Balamurugan, A. Manimekalai and A. Balamurugan

Paper 26

Acta Cryst. (2007). E63, o789-o791 [doi:10.1107/S1600536807001936]
1-Acetyl-*r*-2,*c*-6-di-2-furyl-3,5-dimethylpiperidin-4-one
S. Balamurugan, A. Thiruvalluvar, A. Manimekalai, K. Selvaraju and
T. Maruthavanan

Paper 25

Acta Cryst. (2007). E63, o4536 [doi:10.1107/S1600536807054992]
(2*E*)-3-(4-Fluorophenyl)-1-(thien-2-yl)prop-2-en-1-one
A. Thiruvalluvar, M. Subramanyam, R. J. Butcher, A. V. Adhikari and S. Wagle

Paper 24

Acta Cryst. (2007). E63, o4534 [doi:10.1107/S1600536807054475]
2-Chloro-3-methylquinoxaline
A. Thiruvalluvar, M. Subramanyam, R. J. Butcher, A. V. Adhikari and S. Wagle

Paper 23

Acta Cryst. (2007). E63, o4813-o4814 [doi:10.1107/S1600536807059193]
1-{5-Methyl-1-[8-(trifluoromethyl)quinolin-4-yl]-1*H*-1,2,3-triazol-4-yl}ethanone
A. Thiruvalluvar, M. Subramanyam, R. J. Butcher and M. Mahalinga

Paper 22

Acta Cryst. (2007). E63, o4716 [doi:10.1107/S1600536807056656]
(2*E*)-3-(4-Chlorophenyl)-1-[4-(methylsulfanyl)phenyl]prop-2-en-1-one
A. Thiruvalluvar, M. Subramanyam, R. J. Butcher, A. V. Adhikari and
T. Karabasanagouda

Paper 21

Acta Cryst. (2007). E63, o4867-o4868 [doi:10.1107/S1600536807060783]
3-[(*E*)-4-(2-Nitrophenyl)vinyl]-1-(trifluoromethyl)-1,2,4-triazolo[4,3-*a*]quinoxaline
A. Thiruvalluvar, M. Subramanyam, R. J. Butcher, S. Wagle and A. V. Adhikari

Paper 20

Acta Cryst. (2007). E63, o4431 [doi:10.1107/S1600536807052245]
4-Hydroxyimino-2-phenylperhydroquinolinium chloride hemihydrate
A. Thiruvalluvar and D. Natarajan

Paper 19

Acta Cryst. (2007). E63, o4533 [doi:10.1107/S1600536807053846]
t-3-Benzyl-1-formyl-*r*-2,*c*-6-diphenylpiperidin-4-one
A. Thiruvalluvar, S. Balamurugan, R. J. Butcher, A. Manimekalai and J. Jayabharathi

Paper 18

Acta Cryst. (2007). E63, o2729-o2730 [doi:10.1107/S1600536807020491]
Methyl 2,4,5,10-tetrahydropyrazolo[3,4-*a*]carbazole-3-carboxylate acetic acid solvate at 160 K
A. T. Gunaseelan, A. Thiruvalluvar, A. E. Martin and K. J. R. Prasad

Paper 17

Acta Cryst. (2007). E63, o2715-o2716 [doi:10.1107/S1600536807014055]
3-Cyano-3-methyl-5-phenylcyclohexanone
M. Subramanyam, A. Thiruvalluvar, R. T. Sabapathy Mohan and S. Kamatchi

Paper 16

Acta Cryst. (2007). E63, o2410-o2412 [doi:10.1107/S1600536807016133]
1-Oxo-1,2-dihydro-1,4-oxazino[2,3,4-*jk*]carbazole-4-carbaldehyde
A. T. Gunaseelan, A. Thiruvalluvar, A. E. Martin, K. J. R. Prasad and R. J. Butcher

Paper 15

Acta Cryst. (2007). E63, o2682-o2683 [doi:10.1107/S160053680701954X]
1-Hydroxy-3-methyl-9*H*-carbazole-2-carbaldehyde
A. T. Gunaseelan, A. Thiruvalluvar, A. E. Martin and K. J. R. Prasad

Paper 14

Acta Cryst. (2006). E62, o1126-o1128 [doi:10.1107/S1600536806005794]
4-Methylacetophenone [(2-methyl-4-nitro-1*H*-imidazol-1-yl)acetyl]hydrazone
S. Balamurugan, A. Thiruvalluvar and B. Kalluraya

Paper 13

Acta Cryst. (2006). E62, e21 [doi:10.1107/S1600536806033009]
1-Acetyl-3-ethyl-*r*-2,*c*-6-di-2-furylpiperidin-4-one. Corrigendum
S. Balamurugan, A. Thiruvalluvar, A. Manimekalai, K. Selvaraju and
T. Maruthavanan

Paper 12

Acta Cryst. (2006). E62, o2005-o2006 [doi:10.1107/S1600536806013407]
1-Acetyl-3-ethyl-*r*-2,*c*-6-di-2-furylpiperidin-4-one
S. Balamurugan, A. Thiruvalluvar, A. Manimekalai, K. Selvaraju and
T. Maruthavanan

Paper 11

Indian J Chem.(2006). 45B (9), 2059-2070.
Stereochemistry of *N*-acyltetrahydro-1,5-benzodiazepines using NMR spectra, X-ray
crystallography and semiempirical MO calculations.
S. Ponnuswamy, R. Murugadoss, R. Jeyaraman, A. Thiruvalluvar and
V. Parthasarathy.

Paper 10

Acta Cryst. (2003). E59, o395-o396 [doi:10.1107/S1600536803004306]
2-Acetylbenzo[*b*]furan
A. Thiruvalluvar, S. Silvarani, A. Vadivelu, K. Sithik Ali and V. R. Venkataraman

Paper 9

Acta Cryst. (2001). E57, o1240-o1241 [doi:10.1107/S1600536801020268]
5-(4-Chlorophenyl)-3-oxa-4-azatricyclo[5.2.1.0^{2,6}]dec-4-ene
A. Thiruvalluvar, V. Parthasarathi, V. Kabaleeswaran, S. S. Rajan,
A. Nagarajan and M. K. Pillay

Paper 8

Acta Cryst. (1997). C53, 1086-1088 [doi:10.1107/S0108270197004770]
3,3-Dimethyl-*N*-nitroso-2-phenyldecahydroquinolin-4-one
A. Thiruvalluvar, V. Parthasarathi, D. Natarajan, N. Bhavani and M. Bhadbhade

Paper 7

Acta Cryst. (1996). C52, 3177-3179 [doi:10.1107/S0108270196009456]
1-Methyl-2-phenyldecahydroquinolin-4-one Oxime
V. K. Ganesh, D. Velmurugan, A. Thiruvalluvar, V. Parthasarathi,
N. Ramasubbu and D. Natarajan

Paper 6

Acta Cryst. (1996). C52, 1563-1565 [doi:10.1107/S0108270195015149]
N-Acetyl-3-ethyl-2-phenyldecahydroquinolin-4-one, C₁₉H₂₅NO₂
 A. Thiruvalluvar, V. Parthasarathi, D. Natarajan, N. Bhavani and M. Bhadbhade

Paper 5

Acta Cryst. (1995). C51, 2641-2643 [doi:10.1107/S0108270195003702]
N-Benzoyl-2-phenyldecahydroquinolin-4-one, C₂₂H₂₃NO₂
 A. Thiruvalluvar, K. Sankar Raja Raj, M. Krishna Pillay and K. Venkatasubramanian

Paper 4

Acta Cryst. (1995). C51, 2189-2192 [doi:10.1107/S0108270195003428]
 2-(10-Diethylaminomethyl-2,3,6,7-tetramethoxy-9-phenanthrylmethyl)-
 1-pyrrolidinecarbonitrile
 V. Kabaleeswaran, S. S. Rajan, A. Thiruvalluvar and V. Parthasarathi

Paper 3

Acta Cryst. (1995). C51, 606-608 [doi:10.1107/S0108270194010292]
 Redetermination of Bis(*N,N*-diethyldithiocarbamate)nickel(II)
 R. Selvaraju, K. Panchanatheswaran, A. Thiruvalluvar and V. Parthasarathi

Paper 2

Acta Cryst. (1994). C50, 827-829 [doi:10.1107/S0108270193010856]
t-3-Isopropyl-*r*-2,*c*-7-diphenylhexahydro-1,4-diazepin-5-one, C₂₀H₂₄N₂O
 K. Ravikumar, S. S. Rajan, V. Parthasarathi, A. Thiruvalluvar, R. Jeyaraman and
 U. P. Senthilkumar

Paper 1

Acta Cryst. (1994). C50, 1812-1814 [doi:10.1107/S0108270194001125]
 5-Phenyl-3-oxa-4-azatricyclo[5.2.1.0^{2,6}]dec-4-ene
 A. Thiruvalluvar, V. Parthasarathi, A. Nagarajan and M. K. Pillay

13. Books Published :

Finished **writing a book in Tamil** on the topic "ELECTRICITY, MAGNETISM AND ELECTROMAGNETISM" for the Under Graduate Physics students of Tamil Nadu Government Colleges.

14. Conference/Seminar/Workshop attended as participant or paper presenter

- ★ Presented a Poster on 11.12.1996 titled "X-ray Crystal and Molecular Structure of *N*-Nitroso-3,3-dimethyl-2-phenyldecahydroquinolin-4-one" in the **MBU Silver Jubilee Symposium on Structural Biology and 24th Annual Meeting of the Indian Biophysical Society**, from 9th to 12th December 1996, at Indian Institute of Science, Bangalore – 560 012.
- ★ Attended the "All India Workshop/Training Course on application of Direct methods in Crystallography for small/medium sized molecules" conducted by Department of Crystallography and Biophysics, University of Madras, Guindy Campus, Chennai-600 025 during December 1-21, 1998.

- ★ Participated in the **One Day Workshop** (28th August, **1999**) on “JAVA for INTERNET Application” organized by Computer Society of India, Tiruchirappalli Chapter at Periyar Maniammai College of Technology for Women, Vallam, Thanjavur.
- ★ Participated in the” **NATIONAL WORKSHOP ON MOLECULAR BIOPHYSICS**” from 28th to 30th March **2001**, at the Department of Physics, Bharathidasan University, Tiruchirappalli – 620 024, India.
- ★ Participated in the TANSCHÉ- sponsored “**Workshop** on Curriculum Development and Evaluation Techniques” from 16.02.2006 to 18.02.2006 at Rajah Serfoji Govt . College(Autonomous) Thanjavur-613 005, organized by UGC- Academic Staff College, Bharathidasan University, Thiruchirappalli – 620 023.
- ★ Participated in the **TWO Day Workshop** on “THREE DIMENSIONAL STRUCTURE DETERMINATION OF BIOMOLECULES” on 15-16 December **2006** at Department of Physics, Ramakrishna Mission Vivekananda College (Autonomous), Mylapore, Chennai-600 004.
- ★ Presented a paper (Oral / Poster) on 5.1.2007 entitled “Influence of A^{1,3} strain on Conformations: Theoretical and Experimental studies in some N-acyl-t(3)-alkyl-r(2),c(6)-bis(2'-furyl)piperidin-4-one Oximes” in the section of PHYSICAL SCIENCES during the **94th Indian Science Congress** held at Annamalai University, Annamalai Nagar, Chidambaram, from January 3 to 7, **2007**.
- ★ Participated in the **94th Indian Science Congress** held at Annamalai University, Annamalai Nagar, Chidambaram, from January 3 to 7, **2007**. Membership no is: LSO(AM)079.
- ★ Participated in the **National Conference** on Nano Materials organized by the Department of Physics, Karunya University, Coimbatore on 03-04 December **2010**.
- ★ Participated in the UGC sponsored **National Conference** on PERSPECTIVES IN LASER, OPTICS, SPECTROSCOPY AND NANO SCIENCE held at PG & Research Department of Physics, Bishop Heber College (Autonomous) (Nationally Reaccredited at the A+ level by NAAC), Tiruchirappalli on 14th of February **2011**.
- ★ Attended the **National Seminar & Workshop** on “Bioinformatics and 3D Structure determination of Bio-Molecules”, organized by the Department of Physics, Ethiraj College for Women, Chennai- 600 008 during 27th& 28th February, **2012**.
- ★ Participated in the UGC sponsored **Seminar** on Recent Trends in Physics Research – A New Perspective at Post Graduate and Research Department of Physics, Rajah Serfoji Government College (Autonomous), Thanjavur – 613 005 on 9th March **2012**.

- ★ Participated in the **International Conference** on Thin Films & Applications (ICTFA-2012) during March 15-17, **2012** organized by School of Electrical & Electronics Engineering, SASTRA University, Thanjavur – 613 401, Tamil Nadu, India.
- ★ Participated in the **41st National Seminar** on Crystallography during October 8-10, **2012** organized by Centre of Advanced Study in Crystallography and Biophysics, University of Madras, Maraimalai Campus, Guindy, Chennai – 600 025, India.
- ★ Participated in the **One Day Workshop** On Nano And Thin Film Materials – 2012 (WONATFM'12) held on 28th October **2012** at PG & Research Department of Physics, Rajah Serfoji Government College (Autonomous), Thanjavur – 613 005.
- ★ Participated in the **International Seminar** on CRYSTALLINE MATERIALS AND OPTOELECTRONIC DEVICES (Under UGC Autonomous Grant) on 3rd February **2014** organized by Department of Physics, Jamal Mohamed College (Autonomous), College with Potential for Excellence, Accredited with 'A' Grade by NAAC – CGPA 3.6 out of 4.0, Affiliated to Bharathidasan University, Tiruchirappalli – 620 020, Tamil Nadu.
- ★ Attended the **International EXPO/SIR Workshop** during 10-13 JUNE **2014** at Dipartimento di Scienze della Terra e Geomateriali, University of Bari, Bari, Italy, organized by the Institute of Crystallography – CNR of Bari.
- ★ Participated in the **International Conference** on Crystal Growth and Biomolecular Crystallography (ICCGBC – 2014), during November 28-29, **2014**, held at SASTRA University, Thanjavur.
- ★ Attended the UGC Sponsored **One Day Workshop** on “RECENT TRENDS IN MATERIALS SCIENCE AND ITS APPLICATIONS, RTMSA - 2015” on 27th January, **2015** organized by the Department of Physics, Kunthavai Naachiyaar Government Arts College for Women (Autonomous) (Re-accredited with 'B' grade by NAAC), Thanjavur – 613 007, Tamil Nadu.
- ★ Participated in the **Asian Charge Density Workshop Analysis of Experimental and Theoretical Electron Densities : Extracting Properties from a Multipole Refinement** during February 23-26, **2015** at Indian Institute of Science, Bangalore, Karnataka INDIA.
- ★ Participated in the **One Day Workshop** on “Innovative Curriculum Designing and Evaluation” exclusively for Chairman and Members of Board of Studies (Sciences) at UG and PG level on 14.08.2015 in the Convocation Hall, Bharathidasan University, Tiruchirappalli – 620 024, organized by Curriculum Development Cell (CDC), Bharathidasan University.
- ★ Participated in the "**International Conference** on Recent Trends in Materials Science and Applications" (ICRTMSA - 2016), on 29th February 2016, organized by the PG and Research Department of Physics, Jamal Mohamed College(Autonomous), Tiruchirappalli- 620 020.

15. Conference/Seminar/Workshop attended as resource person

- * Participated as a Resource person in the **One Day Workshop** on the revision of Science subject for 6th to 10th standard state board students on 19.4.2003 at Auxilium Girls Higher Secondary School, Thanjavur.
- * Served as a Resource person on the 17.2.2005 for UGC-**Refresher Course** on the topic “Scientific Textualization” at Tamil University, Thanjavur-613 005.
- * Delivered a special lecture on “Fundamentals of X-ray Crystallography” at Meenakshi Chandrasekaran College of Arts and Science, Karambayam – 614 626, Pattukkottai (TK), on 10th March 2006.
- * As a Resource person delivered a special lecture on “Fundamentals of X-ray Crystallography and Molecular Modeling” at **Sir. C.V.RAMAN CLUB**, Department of Physics and Electronics, Thanthai Hans Roever College (An ISO 9000:2001 Certified Institution) Perambalur – 621 212 on 5.2.2007.
- * Served as a Resource person on 12.2.2007 for the **Refresher Course** in “PHYSICAL SCIENCES” conducted by the UGC-Academic Staff College, Bharathidasan University, Tiruchirappalli – 620 023.
- * Delivered a special lecture in the **Seminar** Session on “Fundamentals of Crystallography” at Abdul Kalam Auditorium, Department of Physics, Annai College of Arts & Science, Kovilacheri, Kumbakonam, on 17.12.2007.
- * Participated as an invited delegate and talked on the topic “X-ray crystal and molecular structure of 1-{5-Methyl-1-[8-(trifluoromethyl)quinolin-4-yl]-1H-1,2,3-triazol-4-yl}ethanone” in the **National Seminar** on Recent Advances in Materials Science (RAMS-2008) during 15th& 16th February 2008, organized by Department of Physics, Cauvery College for Women, Annamalai Nagar, Trichy-620 016, Tamilnadu.
- * Presented an invited talk on “X-ray Crystal Structure Determination” and acted as a Chair Person in the DST & UGC Sponsored **National Seminar** on Theoretical and Chemical Sciences (TACS 2008) during 22nd& 23rd February 2008, organized by Department of Chemistry, Annamalai University, Annamalai Nagar – 608 002.
- * Presented a lecture on “X-ray Crystallography” in the Physics Association meeting on 26th February, 2009 organized by the Department of Physics, Kunthavai Naachiyar Government Arts College for Women (Autonomous) (Accredited with ‘B+’ grade by NAAC), Thanjavur – 613 007, Tamil Nadu.
- * Participated and delivered a lecture on “X-ray Crystallography” in One Day Seminar on “Recent Trends in Materials Science” on 18th March 2009, conducted by the Department of Physics, Government Arts College for Women (Autonomous) (Nationally Accredited with B++ by NAAC), Pudukkottai – 622 001, Tamilnadu, South India.

- * Delivered a lecture on “X-ray Crystal Structure Determination” in the UGC-SAP & CSIR sponsored **Lecture-Workshop** programme on Synthetic and Structural Chemistry (SASC 2009) during 21st& 22nd March-**2009**, organized by Department of Chemistry, Annamalai University, Annamalai Nagar – 608 002.
- * Acted as a resource person and talked on the topic “Fundamentals of X-Ray Crystallography” in the **Seminar** on FUNDAMENTALS OF X-RAY CRYSTALLOGRAPHY on 22nd September **2010**, organized by the Department of Physics, Bon Secours College for Women, Thanjavur – 613 007, Tamilnadu, South India.
- * Participated and delivered a lecture on “X-ray Crystallography” in PHYFEST 2013 on 15th February **2013**, organized by PG Department of Physics, Government Arts College for Women (Autonomous), Pudukkottai – 622 001, Tamilnadu, South India.
- * Presented an invited talk on “X-ray Crystal Structure Determination” in the **National Seminar** on Recent trends in Crystal Growth & Nano Materials (NSCGNM – 2013) in support with Indian Association for Crystal Growth and Centre for Nanoscience and Technology, Anna University, Chennai during 13th&15th March **2013**, organized by PG and Research Department of Physics, National College (Autonomous), Tiruchirappalli – 620 001, Tamilnadu.
- * Presented an invited talk on “X-ray Crystal Structure Determination” in the UGC (Autonomous Grant) & SERB Sponsored **National Conference** on Perspectives in Materials Science (NCPMS – 2013) during 6th& 7th August **2013**, organized by PG Department of Physics, Government Arts College for Women (Autonomous), Pudukkottai – 622 001, Tamilnadu, South India.
- * Presented a Technical Session on “X-ray Crystallography” in the UGC-XI PLAN (Autonomous Grant) SERO Sponsored **National Workshop** on Emerging Trends in Materials Science during 30th& 31st August **2013**, organized by PG Department of Physics, Poompuhar College (Autonomous) (Accredited by NAAC with B+), of the Tamil Nadu H.R. & C.E. Admn. Dept, Melaiyur – 609 107, Tamil Nadu, South India.
- * Acted a resource person in the UGC (Autonomous Grant) Sponsored **Workshop** on 3D Structure Determination of Small Molecules” on 10th October **2013**, organized by PG Department of Physics, Government Arts College for Women (Autonomous) (Re-accredited with B Grade, affiliated to Bharathidasan University), Pudukkottai – 622 001, Tamilnadu, South India.
- * Participated as a **Chief Guest** and talked on the topic “Nano Materials and Applications” in the “A One Day **State Level Seminar** on RECENT ADVANCES IN MATERIALS AND ITS IMPACT” on 28th February **2014**, organized by C.V. RAMAN CLUB, PG and Research Department of Physics, Thanthai Hans Roever College (Nationally Accredited by NAAC), Elambalur, Perambalur-621 212, Tamilnadu.

- * Acted as a resource person and talked on the topic “X-Ray Crystallography” in the UGC Sponsored One Day **State Level Seminar** on CRYSTAL SCIENCE & NANO TECHNOLOGY on 6th October **2014**, organized by PG & Research Department of Physics, Government Arts College (Autonomous), Re-Accredited with ‘A’ Grade by NACC (Affiliated to Bharathidasan University), Karur – 639 005, Tamilnadu, South India.
- * Delivered a special Lecture on the topic “Crystal Structure Determination and Molecular Modeling” on 13th January **2015**, at the Department of Physics, Jamal Mohamed College (Autonomous), College with Potential for Excellence, accredited with ‘A’ Grade by NAAC – CGPA 3.6 out of 4.0, Affiliated to Bharathidasan University, Tiruchirappalli – 620 020, Tamil Nadu.
- * Acted as a resource person and talked on the topic “Basics of X-Ray Crystallography” in the One Day **Seminar** on BASICS OF X-RAY CRYSTALLOGRAPHY on 6th February **2015**, organized by the Department of Physics, Bharath College of Science and Management, Bharath Avenue, Near New Bus Stand, Thanjavur – 613 005, Tamilnadu, South India.
- * Acted as the Technical and Scientific Advisory Committee Member and participated in a One-Day UGC Sponsored **National Seminar** on “Recent Trends in Advanced Materials Science, RAMS – **2015**” on 11th February 2015, organized by the PG & Research Department of Physics, Periyar EVR College (Autonomous), Tiruchirappalli – 620 023, Tamil Nadu.
- * Inaugurated Dr. A. P. J. Abdul Kalam Club, at P. G. Department of Physics, Sudharsan College of Arts and Science, Perumanadu, Pudukkottai - 622 104, and delivered a Lecture on “X-Ray Crystallography”, on 19th August **2015**.
- * Acted as a resource person for the **guest lecture** on "Semiconductor & its Applications" for the First year B.E. students on 12th February 2016 Friday at Kings College of Engineering, Punalkulam, Gandarvakottai Taluk, Pudukkottai District - 613 303.

16. Conference/Seminar/Workshop/Symposium Organized:

- ❖ Organized “A **One Day Seminar** on Thin Films and Carbon Nanostructures (TFCNS 2011)” on 26th February **2011** at PG Research Department of Physics, Rajah Serfoji Government College (Autonomous), Thanjavur-613 005.
- ❖ Acted as an Organizing Committee Member in the “UGC Sponsored **Seminar** on RECENT TRENDS IN PHYSICS RESEARCH – A NEW PERSPECTIVE” on 9th March **2012**, organized by PG & Research Department of Physics, Rajah Serfoji Government College (Autonomous), Thanjavur – 613 005, Tamil Nadu, India.
- ❖ Acted as an Organizing Committee Member in the **One Day Workshop** on Nano and Thin Film Materials – 2012 (WONATFM’12) on 28th October **2012**, organized by Post Graduate and Research Department of Physics, Rajah Serfoji Government College (Autonomous), Thanjavur – 613 005.

- ❖ Acted as an Organizing Committee Member in the “UGC - SERO Sponsored First **National Conference** on Thin Film Science and Nano Technology (FIRST-NCTFSANT-2013)” during 2nd& 3rd September **2013**, organized by Thin Film Physics and Nano Science laboratory, PG & Research Department of Physics, Rajah Serfoji Government College (Autonomous), Thanjavur-613 005, Tamil Nadu, India.
- ❖ Acted as an Organizing Committee Member in the “UGC Sponsored **Seminar** on RECENT TRENDS IN NANO MATERIALS SCIENCE” on 27th February **2014**, organized by PG & Research Department of Physics, Rajah Serfoji Government College (Autonomous), Thanjavur – 613 005, Tamilnadu, India.
- ❖ Acted as an Organizing Committee Member in the “UGC - SERO Sponsored Second **National Conference** on Thin Film Science & Nano Technology (SECOND-NCTFSANT-2015)” during 2nd& 3rd March **2015**, organized by Thin Film Physics and Nano Science laboratory, PG & Research Department of Physics, Rajah Serfoji Government College (Autonomous), Thanjavur – 613 005, Tamilnadu, India.

17. Refresher course attended:

| Name of the course | Institute | Period | |
|-----------------------------|---|------------|------------|
| | | From | To |
| Refresher course in Physics | Academic Staff College, University of Madras | 22.08.1994 | 14.09.1994 |
| Refresher Course in Physics | Academic Staff College, Bharathidasan University, Tiruchirappalli | 10.12.2002 | 30.12.2002 |
| Refresher Course in Physics | J.J.College of Arts and Science, J.J.Nagar, Namanasamudram, Pudukkottai | 06.12.2004 | 10.12.2004 |

18. Orientation course attended:

| Institute | Period | |
|---|------------|------------|
| | From | To |
| Academic Staff College Bharathidasan University, Tiruchirappalli | 18.05.1989 | 14.06 1989 |

19. Honours/Awards – State, National and International:

- ⊗ Included in the list of **dedicated teachers** who have rendered exemplary service to Rajah Serfoji Govt. College (Autonomous), Thanjavur-613 005 during the Golden Jubilee Year **2006**.
- ⊗ A subject of **biographical record** in Who's Who in the World **from Twenty-Fourth Edition 2007 onwards** published by Marquis Who's Who Publications Board of America.
- ⊗ Received the **Best Teacher Award** to College Teachers on 1-9-2008 from the Tamil Nadu State Council for Higher Education, Lady Willingdon College Campus, Kamaraj Salai, Chennai – 600 005.

- ⊗ Received the **NATIONAL CITIZENSHIP GOLD MEDAL AWARD** for the “Excellence in his respective field” and for the “Individual Achievement & National Development” on 1st May **2014** from GLOBAL ECONOMIC PROGRESS & RESEARCH ASSOCIATION (Registered Under Societies Registration No. 283, Act XXVII of 1975), No. 101, Mundy Street, Tiruvannamalai – 606 601, Tamil Nadu, India, at The Checkers Designer Hotel, Oasis Conference Hall, #30, Mount Road, Little Mount, Saidapet, Chennai – 600 015.
- ⊗ Received the **INDIRAGANDHI SADBHAVNA GOLD MEDAL AWARD** for the “INDIVIDUAL ACHIEVEMENT & SERVICE TO THE NATION” on Wednesday, 19th November **2014** from GLOBAL ECONOMIC PROGRESS & RESEARCH ASSOCIATION (Registered Under Societies Registration No. 283, Act XXVII of 1975), No. 101, Mundy Street, Tiruvannamalai – 606 601, Tamil Nadu, India, at CITADEL Conference Hall, #41, Sheshadri Road, Ananda Rao Circle, Bangalore – 560 009.
- ⊗ Received the **BHARAT GAURAV AWARD** for Meritorious Services, Outstanding Performance and Remarkable Role, at a Seminar on Economic Growth & National Integration, by the India International Friendship Society, New Delhi – 110 001, on 15th April **2015**.
- ⊗ Received the **GLORY OF INDIA GOLD MEDAL** for Individual Excellence in Recognition of Sterling Merit Excellent Performance & Out Standing Contribution for the Progress of the Nation & Worldwide, by the INTERNATIONAL INSTITUTE OF SUCCESS AWARENESS, New Delhi – 110 002, on 15th April **2015**.
- ⊗ Received the **BHARAT VIDYA SIROMANI GOLD MEDAL AWARD** on 25th July **2015** “For Excellence in Chosen Field of Activity” on the occasion of 11th National Seminar on “ECONOMIC GROWTH & INTEGRATION” from UNIVERSAL ACHIEVERS FOUNDATION, NEW DELHI.
- ⊗ Received the **Dr. RADHAKRISHNAN GOLD MEDAL AWARD** for Excellence in his respective field on the occasion of 28th National seminar on “Contribution to Education and National Development” on Saturday, 5th September **2015** from GLOBAL ECONOMIC PROGRESS & RESEARCH ASSOCIATION, NEW DELHI, at Chennai.
- ⊗ Received the **BHARAT SHIKSHA RATAN AWARD** in recognition of Sterling Merit Excellent Performance and Outstanding Contribution for the Progress of the nation and worldwide On the Occasion of national Seminar on “Individual Achievements & National Development” on Monday, 21st September, **2015** at New Delhi, from GLOBAL SOCIETY FOR HEALTH & EDUCATIONAL GROWTH, NEW DELHI.
- ⊗ Received the **Dr. A. P. J. ABDUL KALAM GOLD MEDAL AWARD** on 15th October **2015** from UNIVERSAL ACHIEVERS FOUNDATION, NEW DELHI, “For Excellence in Chosen Field of Activity” on the occasion of 12th national seminar on “NATIONAL INTEGRITY & PEACE DEVELOPMENT” at Bangaluru.

- ⊗ Received the **MAHATMA GANDHI EKTA SAMMAN AWARD** in recognition of contribution and dedication to worthy causes and achievements in keeping the flag of India High, from the INDIA INTERNATIONAL FRIENDSHIP SOCIETY, New Delhi – 110 001, on 26th October, **2015**.
- ⊗ Received the “**INDO-DUBAI ACHIEVER’S PACIFIC AWARD**” – **2014** in Recognition Of **Sterling Merit Excellent Performance & Outstanding Contribution** For The Progress Of The Nation And International On The Occasion of Global Achievers Summit Promoting Achievements That Benefits Economic & Social Development on 20th November, **2015**, At Dubai (U.A.E.).
- ⊗ Received the **LIFETIME ACHIEVEMENT AWARD** based on the recommendations by the expert committee. The Aufau International Award was celebrated on 4th June **2016**, at Hotel Silver Palace, Salem, India.
- ⊗ Received the **BHARAT SEVA RATAN GOLD MEDAL AWARD** presented by GLOBAL ECONOMIC PROGRESS & RESEARCH ASSOCIATION(GEPRA), New Delhi, at Hotel Chandra Park, Marvel Auditorium, 9, Gandhi Irwin Road, Egmore, Chennai-600 008, Tamil Nadu, India, on 9th July **2016**, for Excellence in respective field on the occasion of 35th National Unity Conference on Individual Achievements & National Economic Growth.
- ⊗ Received **HONORARY DOCTORATE IN CHEMISTRY (HONORIS CAUSA) WITH SPECIALIZATION IN X-RAY CRYSTALLOGRAPHY** on 27th day of August 2016, from “Indian Virtual University for Peace and Education”, Bangalore.
- ⊗ Received the degree of "**DOCTOR OF LITERATURE**" (Honoris Causa) on the 5th Day of November 2016 at Shenbaga Residency Convention Hall, Puducherry, India, from "Indian Peace University".

20. Research Projects (PI Mention as Major/Minor/Short term):

Completed

| Topic/Title* | Duration | Amount | Agency | Remark |
|------------------------|---------------------------|--------------------|--------|-----------|
| Minor Research Project | TWO years from 10/01/2007 | Rp 36,000/- | UGC | Completed |

*Title of the Project: “**X-Ray Crystal Structure Determination and Molecular Modeling of Some Heterocyclic Compounds**”.

21. Research Guidance (completed):

| Degree | Part Time | Full Time | Total |
|------------------|-----------|-----------|-----------|
| M. Phil., | 17 | 20 | 37 |
| Ph.D., | 7 | 1 | 8 |

22. RESEARCH COLLABORATION-ABROAD:

1. **Research Collaboration with Professor Dr. R. J. Butcher**
Inorganic & Structural Chemistry
Howard University
525 College Street NW
Washington, DC 20059
USA.
from **2007** to till date. **Papers published: 75**
Field of Specialization: X-ray Crystallography.

2. **Research Collaboration with Professor Dr. Anthony Linden**
X-ray Crystallography facility manager
Department of Chemistry
University of Zürich
Winterthurerstrasse 190,
CH-8057 Zürich
Switzerland.
from **2008** to till date. **Papers published: 8**
Field of Specialization: X-ray Crystallography.

The above two Professors were involved in collecting single crystal X-ray data, structure solution and refinement of the crystal and molecular structures of all the compounds. Their expert comments were considered while writing the research papers for publication. These published papers were included in the Ph.D., Thesis of our Research Scholars. The following Research Scholars got benefitted from the above international collaborations:

1. Mr. A. Thomas Gunaseelan
2. Dr. Mr. S. Balamurugan
3. Mr. M. Subramanyam
4. Dr. Ms. P. Gayathri
5. Dr. Mrs. N. Anuradha
6. Dr. Mrs. R. Archana
7. Dr. Mrs. S. Rosepriya
8. Dr. R. Chithiravel

23. Membership in academic societies:

- * College Internal Quality Assurance Cell (IQAC)-**Member** (Past).
- * Nominated as a **Special Representative** to the College Academic Council from 8.7.2011 for a period of TWO years (Past).
- * **Life Member** (LM392) in **Indian Crystallographic Association** (ICA). (Registration No. 809/2000-2001 dated 16th December 2000) Regd. Off. Molecular Biophysics Unit, Indian Institute of Science, Bangalore 560 012.
- * **Member** in **International Union of Crystallography** (IUCr8393), Chester, UK.
- * **Member** of Bharathidasan University Alumni Association (BUAA), Palkalaiperur, Tiruchirappalli-620 024.

- * **Member**, Tamil Nadu Government College Teachers' Association, TNGCTA, Chennai.
- * **Life Member** in GLOBAL ECONOMIC PROGRESS & RESEARCH ASSOCIATION (Registered Under Societies Registration No. 283, Act XXVII of 1975), No. 101, Mundy Street, Tiruvannamalai – 606 601, Tamil Nadu, India.
- * **Member** (560259) of the **Royal Society of Chemistry MRSC**.
- * Nominated as a **Governing Body Member** under Senior Teaching Staff category to the College for a period of TWO academic years 2014-2015 & 2015-2016.
- * **Life Member** (LMB2461) in **Materials Research Society of India**, Indian Institute of Science, Bangalore – 560 012.
- * **Member** of Universal Achievers Foundation, New Delhi, from 15.10.2015 to 14.10.2016.
- * **Fellow and Life Member** of the Academy of Sciences, Chennai, **FASCh** from 2016.

24. Examiner/Member in Board of studies/academic/administrative committee (internal as well as external with period) etc.,

- ⊙ College Science Improvement Programme (COSIP) **Coordinator** (Past).
- ⊙ College Internal Quality Assurance Cell (IQAC) **Administrator** from 23.10.2013 for a period of TWO years (Past).
- ⊙ Nominated as a **member** of the Board of Studies in Physics (UG) and Applied Physics (UG) of Bharathidasan University-620 024, for a period of THREE years with effect from 01.10.2005 (Past).
- ⊙ **Served as the Department Library i/c** from **22.01.2002 to 20.07.2007**, responsible for ordering Books and Journals required by the students and the staff members (order placed for an amount of **Rp 66,429/-** for the entire period of my i/c).
- ⊙ **Served as the Coordinator** of the college University Grants Commission (UGC) committee, New Delhi from **1997 to 2014**, which is responsible for the allocation of grants to various Heads and Departments.

Development Grant to Colleges (includes 14 merged schemes):

- Rejuvenation of Infrastructure in Old Colleges.
- Catch-up grant for Young Colleges.
- Colleges located in Rural/Remote/Border/Hill/Tribal Areas.
- Colleges with relatively higher proportion of SC/ST & Minorities.
- **Special grant for enhancement of initiative for Capacity Building in Colleges.**
- **Establishment of Day Care Centers in Colleges.**
- **Colleges in Backward Areas.**

- Establishment of UGC Network Resource Centre.
 - Equal Opportunity Center in Colleges.
 - **Remedial Coaching for SC, ST, OBC (non-creamy layer) & Minorities.**
 - **Coaching for NET for SC, ST, OBC (non-creamy layer) & Minorities.**
 - Coaching classes for entry in services for SC, ST, OBC (non-creamy layer) & Minorities.
 - Schemes for Persons with Disabilities.
 - Career and Counseling Cell.
- ⊙ Served as the **Teacher in-charge** and conducted Special Coaching Class for Socially Backward Class Students in English, Mathematics & Science Subjects, sponsored by Government of Tamil Nadu, during 2005-2006, 2007-2008 and 2009-2010 and disbursed an amount of **Rp 30,000/-** towards remuneration to Teachers, writing materials and snacks to Students.
- ⊙ Nominated as Bharathidasan **University representative** for the Board of Studies in UG & PG Physics of Govt. College (Autonomous), Kumbakonam-612 001, for a period of TWO years from 14.8.2003 onwards (Past).
- ⊙ Attended as a **Subject Expert** for the UG & PG Board of Studies in Physics meeting in the Department of Physics, Govt. Arts College (Autonomous), Kumbakonam - 612 001, on 01.04.2005, to implement CBCS with extra disciplinary paper in PG program (Past).
- ⊙ Acted as a **Coordinator** for the College and the **Teacher in-charge** for our Department in successfully conducting **Remedial Coaching for SC/ST/OBC (non-creamy layer) & Minorities** for Undergraduate/Postgraduate students during UGC XI Plan (14 merged schemes) for the period (2007-2012), and disbursed an amount of **Rp 11 lakhs**, on Equipment, Books, Journals, Study materials and on Honorarium for teachers. The various departments got benefitted were, Tamil, English, Mathematics, Statistics, Physics, Chemistry, Zoology, Botany, Economics, Commerce, History, Biochemistry, BBA and Computer Science.
- ⊙ Acted as a **member** of the UGC Building Committee of the College during UGC XI Plan period (Past).
- ⊙ Acted and presently acting as a **Doctoral Committee member** for many Ph.D., scholars of our College, Govt. Arts College (Autonomous), Kumbakonam-612 001, K. N. Govt. Arts College for Woman (Autonomous), Thanjavur-613 007, Jamal Mohamed College (Autonomous), Tiruchirappalli - 620 020, and A. V. V. M. Sri Pushpam College (Autonomous), Poondi - 613 503.
- ⊙ Acted as the Internal and the External **examiner** in UG and PG theory paper valuation, conducting Public Viva-Voce examinations of M.Sc., M.Phil., Ph.D., students and conducting UG and PG practical.
- ⊙ Acted as the Internal and the External '**Flying Squad**' **team member** of our college and university for the November and the April semester examinations.

- ⊙ Worked as an **External Additional Chief Superintendent**(appointed by the Bharathidasan University) for the University Examinations, April 2015 at Swami Vivekananda College of Arts and Science, Vallam, Thanjavur.
- ⊙ I became the **Assistant Head of the Department** (AHOD) from July 2010 onwards (Past) Acted as a **Quiz Master** and conducted a Quiz Program on 9th January 2013 at our Department of Physics, Rajah Serfoji Government College (Autonomous), Thanjavur-613 005, for our UG and PG students.
- ⊙ Attended as a **member** of the Board of Studies in M.Sc., Physics and in M.Sc., Materials Science of SASTRA University, Thanjavur-613 401, on 18-04-2013 (Thursday) at the School of Electrical & Electronics Engineering.
- ⊙ Acted as a **member** in the College Income-Tax committee, responsible for checking the personal income details of Teaching and Non-Teaching staff for the years 2013-14.
- ⊙ Acted as a **Chief Invigilator** and conducted the TAMIL NADU PUBLIC SERVICE COMMISSION (TNPSC)-GROUP-II-EXAM on 29-06-2014 at our college.
- ⊙ Elected as Bharathidasan University **SENATE MEMBER** for a period of THREE years from 05-08-2013 (Past).
- ⊙ Extended my support and cooperation as a Senate Member, to the Bharathidasan University administration in conducting 30th, 31st, and 32nd **Annual Convocation**.
- ⊙ I became the **Coordinator** of the **Departmental Research Committee** (DRC) from July 2011 onwards, which is responsible for the selection of the candidates for the admission to the Ph.D., program and allocate guides to the subject/discipline to them (Past).
- ⊙ Nominated as Bharathidasan **University representative** for the Board of Studies in PHYSICS of Periyar E.V.R. College (Autonomous), Tiruchirappalli – 620 023, Tamil Nadu, for a period of TWO years with effect from 07.03.2010 (Past).
- ⊙ Nominated as a Subject Expert for the PG Board of Studies in Physics (M.Sc., & M.Phil.) meeting in the Department of Physics, Govt. Arts College (Autonomous), Kumbakonam- 612 001, on 08.02.2014.
- ⊙ Nominated as a **member** of the Board of Studies in Physics (UG) and Applied Physics (UG) of Bharathidasan University-620 024, for a period of THREE years with effect from 01.04.2015 to 31.03.2018.
- ⊙ Appointed as a **member** of the B.Sc.B.Ed., Board of studies of the Department of Education for a period of TWO years for the Academic years 2015-16 and 2016-17 of PERIYAR MANIAMMAI UNIVERSITY (Under Sec. 3 of UGC Act, 1956), NAAC ACCREDITED, Periyar Nagar, Vallam, Thanjavur-613 403, Tamil Nadu, India.

- © Nominated as Bharathidasan **University representative** for the Board of Studies in PHYSICS of Govt. College for Women (Autonomous), Kumbakonam-612 001, for a period of TWO years with effect from 07.10.2015.
- © Worked as **Vice-Principal** of Rajah Serfoji Government College (Autonomous), Thanjavur from June 2015 onwards (Past).

25. Reviewer:

- [i] Structural Chemistry Communications (Past),
- [ii] Journal of Crystallography (Active),
- [iii] Chemical Science Review and Letters (Active).
- [iv] Global Journal of Chemistry (Active).
- [v] Journal of Advances in Chemistry (Active).

26. Avocations and Service:

- a) Book reading,
- b) Listening to music,
- c) Educating the illiterate,
- d) Conducted remedial courses for socially, economically and educationally weaker students(SC/ST and MBC) in the College,
- e) Educating orphanage children, Sacred Heart Higher Secondary School, Thanjavur,
- f) Helping the poor people.
- g) Supporter and Donor of **Save the Children**, India.

27. Any other relevant information wishes to add:

- ✓ Attended the meeting of the Principals of the Colleges under section 2(f) & 12(B) of the UGC Act 1956 on 06.02.2003 at Bharathidasan University, Tiruchirappalli – 620 024.

28. I am a regular user of the following web sites:

mail.dataone.in, yahoo.com, gmail.com, mendeley.com, researchgate.net, facebook.com, in.linkedin.com, twitter.com, growkudos.com, marquiswhoswho.com, amazon.in, oxfordscholarship.com, vidwan.inflibnet.ac.in, orcid.org, researcherid.com, scopus.com, scholar.google.com, rsc.org, flipkart.com, mrsi.org.in, vlab.amrita.edu, nlist.inflibnet.ac.in, springerlink.com, link.springer.com, sciencedirect.com, iucr.org, <http://iris.physics.iisc.ernet.in/ica/>, gepraindia.org, <http://www.bdu.ac.in/alumni/>, tngcta.org, <http://www.ugc.ac.in/>, <http://www.tnuniv.ac.in/tansche.html>, <http://www.iifsind.org/>, www.chesci.com, www.researchchap.com

29. I am a registered and licensed academic not-for-profit user of the following web sites:

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<http://winmostar.com/en/>, <http://ewald.ac.chemie.uni-goettingen.de/shelx/eingabe.php>, <http://jmol.sourceforge.net/>,
<http://www.xtl.ox.ac.uk/crystals.html>, <http://www.chemaxon.com/download/marvin-suite/#mbeans>,
<http://www.ccdc.cam.ac.uk/Solutions/FreeSoftware/Pages/EnCIFer.aspx>,
<http://smart-soft.net/products/smart-pdf-converter/smart-pdf-converter.htm>,
<http://www.wordwebsoftware.com/>,
<https://www.dropbox.com/>, <chrome://chrome/>, http://www.ccdc.cam.ac.uk/Solutions/CS_DSystem/Pages/Mercury.aspx, <http://www.chem.gla.ac.uk/~louis/software/index.html>,
<https://onedrive.live.com/>, <http://openbabel.org/>, <http://gabedit.sourceforge.net/>,
<http://accelrys.com/products/collaborative-science/biovia-draw/draw-no-fee.php>,
<http://www.adobe.com/in/solutions/ebook/digital-editions.html>,
<http://www.olexsys.org/>, <http://www.sequencepublishing.com/thesage.html>,
<http://openmopac.net/>, <http://sourceforge.net/projects/mocalc2012/>,
<http://www.webmo.net/index.html>, <http://www.astonis.com/>,
<http://journals.iucr.org/services/cif/publCIF/>, <http://www-xray.fzu.cz/jana/jana.html>,
www.arguslab.com, <http://shelx.uni-ac.gwdg.de/SHELX/>, <http://www.ghostscript.com/>,
<http://pages.cs.wisc.edu/~ghost/gsview/>, <http://www.irfanview.com/>,
<http://www.povray.org/>, <http://www.krist.uni-freiburg.de/ki/Mitarbeiter/Keller/schakal.html>, <http://superflip.fzu.cz/>,

DECLARATION

I hereby declare that to the best of my knowledge and belief the particulars given in the **Bio-Data** are correct.



Signature

Place : **Thanjavur**

Date : **01-08-2017**

Dr. A. THIRUVALLUVAR