

## *Bio-Data of Dr. A. Thiruvalluvar*

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|------------------------|---|--|
| 1. Name                | : | Dr. A. THIRUVALLUVAR, MRSC   |
| 2. Date of Birth       | : | 07-09-1961   |
| 3. Age                 | : | 55 Yrs   |
| 4. Gender              | : | Male   |
| 5. Designation         | : | Principal  |
| 6. Official Address    | : | Government College for Women (Autonomous),<br>Kumbakonam – 612 001, Tamil Nadu, India. |
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| 8. Permanent Address   | : | 63, Santhi Nagar,<br>N. K. Road,<br>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
<b>*Ph.D.,</b>	Physics/X-ray Crystallography	3 <sup>rd</sup> 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
<b>Research Scholar</b>	Bharathidasan University, Tiruchirappalli	05.09.1991 FN	04.09.1993 AN <b>05.09.1993 FN TO 13.09.1993 AN EL</b>
Lecturer	MRGA College, Mannargudi	14.09.1993 FN	23.04.1996 AN
<b>Teacher Fellow</b>	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(Autonomous), Thanjavur	03.06.1998 FN	31.12.2005 AN
Associate Professor of Physics	Rajah Serfoji Government College (Autonomous), 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
<b>Principal-Grade-I</b>	<b>Government College for Women (Autonomous), Kumbakonam</b>	<b>03.11.2016 FN</b>	<b>Till Date</b>

**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: 143 Papers****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. Thiruvalluvar and 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 ]

(E)-1-([1,1'-Biphenyl]-4-yl)-3-(2-methylphenyl)prop-2-en-1-one  
D. Shanthi, T. VidhyaSagar, M. Kayalvizhi, G. Vasuki and A. Thiruvalluvar

### **Paper 135**

*Acta Cryst.* (2014). E70, o184 [ doi:10.1107/S1600536814001366 ]

2-(1H-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 ]

2-(Naphthalen-1-yl)-1-phenyl-1H-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 ]

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. ÖztürkYildirim

**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. ÖztürkYildirim

**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. ÖztürkYildirim 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. ÖztürkYildirim

**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. ÖztürkYildirim 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)-1H-phenanthro[9,10-d]imidazole  
 S. Rosepriya, A. Thiruvalluvar, R. Sathishkumar, J. Jayabharathi,  
 S. ÖztürkYildirim 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-1H-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(5H)-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-1H-imidazole.

**Paper 118**

*Acta Cryst.* (2011). E67, o3519 [ doi:10.1107/S160053681105077X ]  
 1-(4-Methylbenzyl)-2-(4-methylphenyl)-1H-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. VenkateshPerumal, 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. VenkateshPerumal, 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**

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*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**

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*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)nicotinohydrazone 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)nicotinohydrazone 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(1*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**

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*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}  
 (mor pholino)methanone  
 N. Anuradha, A. Thiruvalluvar, M. Mahalinga and R. J. Butcher

**Paper 66**


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*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-1*H*-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**

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*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**

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*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**

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*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**

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*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<sup>2,6</sup>]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, C<sub>19</sub>H<sub>25</sub>NO<sub>2</sub>  
A. Thiruvalluvar, V. Parthasarathi, D. Natarajan, N. Bhavani and M. Bhadbhade

**Paper 5**

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*Acta Cryst.* (1995). C51, 2641-2643 [ doi:10.1107/S0108270195003702 ]  
*N*-Benzoyl-2-phenyldecahydroquinolin-4-one, C<sub>22</sub>H<sub>23</sub>NO<sub>2</sub>  
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, C<sub>20</sub>H<sub>24</sub>N<sub>2</sub>O  
 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<sup>2,6</sup>]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 ELECTRO MAGNETISM” 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 24<sup>th</sup> Annual Meeting of the Indian Biophysical Society**, from 9<sup>th</sup> to 12<sup>th</sup> 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**(28<sup>th</sup> 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 28<sup>th</sup> to 30<sup>th</sup> March **2001**, at the Department of Physics, Bharathidasan University, Tiruchirappalli – 620 024, India.

- ❖ Participated in the TANSICHE- 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, Tiruchirapalli – 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<sup>1,3</sup> 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 **94<sup>th</sup> Indian Science Congress** held at Annamalai University, Annamalainagar, Chidambaram, from January 3 to 7, 2007.
- ❖ Participated in the **94<sup>th</sup> Indian Science Congress** held at Annamalai University, Annamalainagar, 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 14<sup>th</sup> 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 27<sup>th</sup>& 28<sup>th</sup> 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 9<sup>th</sup> 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 **41<sup>st</sup>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 28<sup>th</sup> 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 3<sup>rd</sup> 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 27<sup>th</sup> January, **2015** organized by the Department of Physics, Kunthavai Naachiyar 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 29<sup>th</sup> 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 6<sup>th</sup> to 10<sup>th</sup> 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 MeenakshiChandrasekaran College of Arts and Science, Karambayam – 614 626, Pattukkottai (TK), on 10<sup>th</sup> 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 15<sup>th</sup> & 16<sup>th</sup> 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 22<sup>nd</sup> & 23<sup>rd</sup> 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 26<sup>th</sup> 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 18<sup>th</sup> 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 21<sup>st</sup> & 22<sup>nd</sup> 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 22<sup>nd</sup> 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 15<sup>th</sup> 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 13<sup>th</sup> & 15<sup>th</sup> 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 6<sup>th</sup> & 7<sup>th</sup> 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 30<sup>th</sup> & 31<sup>st</sup> 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 10<sup>th</sup> 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 28<sup>th</sup> 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 6<sup>th</sup> 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 13<sup>th</sup> January **2015**, at the Department of Physics, Jamal Mohamed College (Autonomous), Collegewith 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 6<sup>th</sup> 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 11<sup>th</sup> 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 19<sup>th</sup> August **2015**.
- ◆ Acted as a resource person for the **guest lecture** on "Semiconductor & its Applications" for the First year B.E. students on 12<sup>th</sup> 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 26<sup>th</sup> 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 9<sup>th</sup> 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 28<sup>th</sup> 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 2<sup>nd</sup>& 3<sup>rd</sup> 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 27<sup>th</sup> 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 2<sup>nd</sup> & 3<sup>rd</sup> 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 1<sup>st</sup> 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, 19<sup>th</sup> 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 15<sup>th</sup> April 2015.
- ❁ Received the **GLORY OF INDIA GOLD MEDAL** for Individual Excellence in Recognition of Sterling Merit Excellent Performance & Outstanding Contribution for the Progress of the Nation & Worldwide, by the INTERNATIONAL INSTITUTE OF SUCCESS AWARENESS, New Delhi – 110 002, on 15<sup>th</sup> April 2015.
- ❁ Received the **BHARAT VIDYA SIROMANI GOLD MEDAL AWARD** on 25<sup>th</sup> July 2015 “For Excellence in Chosen Field of Activity” on the occasion of 11<sup>th</sup> 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 28<sup>th</sup> National seminar on “Contribution to Education and National Development” on Saturday, 5<sup>th</sup> 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 World wide On the Occasion of national Seminar on “Individual Achievements & National Development” on Monday, 21<sup>st</sup> 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 15<sup>th</sup> October **2015** from UNIVERSAL ACHIEVERS FOUNDATION, NEW DELHI, “ For Excellence in Chosen Field of Activity ” on the occasion of 12<sup>th</sup> 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 26<sup>th</sup> 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 20<sup>th</sup> 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 4<sup>th</sup> 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 9<sup>th</sup> July **2016**, for Excellence in respective field on the occasion of 35<sup>th</sup> National Unity Conference on Individual Achievements & National Economic Growth.
- ✿ Received **HONORARY DOCTORATE IN CHEMISTRY (HONORIS CAUSA) WITH SPECIALIZATION IN X-RAY CRYSTALLOGRAPHY** on 27<sup>th</sup> day of August 2016, from “Indian Virtual University forPeace and Education”, Bangalore.

- Received the degree of "**DOCTOR OF LITERATURE**" (**Honoris Causa**) on the 5<sup>th</sup> 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	Rs 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. Mrs. S. Rosepriya
8. Mr. 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.

**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 **Rs 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):**

1. Rejuvenation of Infrastructure in Old Colleges.
2. Catch-up grant for Young Colleges.
3. Colleges located in Rural/Remote/Border/Hill/Tribal Areas.
4. Colleges with relatively higher proportion of SC/ST & Minorities.
5. **Special grant for enhancement of initiative for Capacity Building in Colleges.**
6. **Establishment of Day Care Centers in Colleges.**
7. **Colleges in Backward Areas.**
8. Establishment of UGC Network Resource Centre.
9. Equal Opportunity Center in Colleges.

- 10. Remedial Coaching for SC,ST,OBC (non-creamy layer) & Minorities.
- 11. Coaching for NET for SC,ST,OBC (non-creamy layer) & Minorities.
- 12. Coaching classes for entry in services for SC,ST,OBC (non-creamy layer) & Minorities.
- 13. Schemes for Persons with Disabilities.
- 14. 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 **Rs 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 **Rs 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 9<sup>th</sup> 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.

Electedas Bharathidasan University **SENATE MEMBER** for a period of THREE years from 05-08-2013 (Past).

Extendedmy support and cooperation as a Senate Member, to the Bharathidasan University administration in conducting 30<sup>th</sup>, 31<sup>st</sup>, and 32<sup>nd</sup> **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:**

- Book reading,
- Listening to music.
- Educating the illiterate,
- Conducted remedial courses for socially, economically and educationally weaker students(SC/ST and MBC) in the College,
- Educating orphanage children, Sacred Heart Higher Secondary School, Thanjavur,
- Helping the poor people.
- 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/>, <http://www.bdu.ac.in/alumni/>, <http://www.ugc.ac.in/>, <http://www.tnuniv.ac.in/tansche.html>, <http://www.iifsind.org/>, [www.chesci.com](http://www.chesci.com), [www.researchap.com](http://www.researchap.com)

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

[britannica.com](http://www.britannica.com), <http://www.acdlabs.com/resources/freeware/chemsketch/>, <http://www.ic.cnr.it/>, [www.pymol.org](http://www.pymol.org), <http://jp-minerals.org/vesta/en/>, <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://smartsoft.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/CSDSystem/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/publicif/>, <http://www-xray.fzu.cz/jana/jana.html>, [www.arguslab.com](http://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.

Place: **Kumbakonam.**

Date: **02-01-2017.**



Signature

**Dr. A. THIRUVALLUVAR.**