


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr. D. SUDHA / T0432			
Designation	ASSOCIATE PROFESSOR (GRADE II)			
Department	SCIENCE & HUMANITIES (PHYSICS)			
Date of Joining the Institution	29.06.2006 (Regular)			
Qualifications	M.Sc., (Physics) M.A.,	M.Phil., Ph. D., (Physics)	P.G.D.C.A.	
Total Experience	Overall : 23 YEARS		in RMK : 16 YEARS	
Papers Published in Journal	Overall : 24		After Joining RMK :24	
List of Papers Published	<ol style="list-style-type: none"> 1. Chinnakali, K., Sudha, D., Jayagobi, M., Ragunathan, R. and Fun, H.K. “cis-1-Ethyl-4,4,10-trimethyl-2-tosyl-1,2,3,3a,4,11b-hexahydro-11H-pyrrolo[3,4-c] pyrano [5,6-c]quinolin-11-one”, Acta Cryst., Vol.E63, pp.o4491-o4492, 2007. 2. Chinnakali, K., Sudha, D., Jayagobi, M., Ragunathan, R. and Fun, H.K. “cis-4,4,10-Trimethyl-2-tosyl-1,2,3,3a,4,11b-hexahydro-11H-pyrrolo[3,4-c]pyrano [5,6-c]quinolin-11-one hemihydrate”, Acta Cryst., Vol.E63, pp.o4489-o4490, 2007. 3. Chinnakali, K., Sudha, D., Jayagobi, M., Ragunathan, R. and Fun, H.K. “4,4-Dimethyl-2-tosyl-2,3,3a,4-tetrahydro-1H,10H-pyrrolo[3,4-c]pyrano[6,5-b] indan-10-one”, Acta Cryst., Vol.E63, pp.o4438, 2007. 4. Chinnakali, K., Sudha, D., Jayagobi, M., Ragunathan, R. and Fun, H.K. “4,4,7,7-Tetramethyl-2-tosyl-2,3,3a,4,6,7,8,9-octahydro-1H-pyrrolo[3,4-c]pyrano[6,5-b]cyclohexan-9-one”, Acta Cryst., Vol.E63, pp.o4436-o4437, 2007. 5. Chinnakali, K., Sudha, D., Jayagobi, M., Ragunathan, R. and Fun, H.K. “1-Ethyl-4,4,6,8-tetramethyl-2-tosyl-2,3,3a,4,6,7,8,9-octahydro-1H-pyrrolo[3,4-c] pyrano[6,5-d]pyrimidine-7,9-dione”, Acta Cryst., Vol.E63, pp.o4434-o4435, 2007. 6. Chinnakali, K., Sudha, D., Jayagobi, M., 			

	<p>Ragunathan, R. and Fun, H.K. "6,8-Dimethyl-4-phenyl-2-tosylpyrrolo[3,4-c]pyrano[6,5-b]pyrimidine-7,9-dione", Acta Cryst., Vol.E63, pp.o4364, 2007.</p> <p>7. Chinnakali, K., Sudha, D., Jayagobi, M., Ragunathan, R. and Fun, H.K. "4,4,6,8-Tetramethyl-2-tosylpyrrolo[3,4-c]pyrano[6,5-b]pyrimidine-7,9-dione", Acta Cryst., Vol.E63, pp.o4363, 2007.</p> <p>8. Chinnakali, K., Sudha, D., Jayagobi, M., Ragunathan, R. and Fun, H.K. "trans-1-Ethyl-4,4,10-trimethyl-2-tosyl-1,2,3,3a,4,11b-hexahydro-1H-pyrrolo[3,4-c]pyrano[5,6-c]quinolin-11-one", Acta Cryst., Vol.E63, pp.o4650-o4651, 2007.</p> <p>9. Sudha, D., Chinnakali, K., Jayagobi, M., Ragunathan, R. and Fun, H.K. "7-Chloro-3-ethyl-10-phenyl-2-tosylpyrrolo[3,4-b]quinolone", Acta Cryst., Vol.E63, pp.o4914-o4915, 2007.</p> <p>10. Sudha, D., Chinnakali, K., Jayagobi, M., Ragunathan, R. and Fun, H.K. "7-Chloro-3-ethyl-9,9-dimethyl-2-tosyl-2,3,3a,4,9,9a-hexahydro-1H-pyrrolo[3,4-b]quinolone", Acta Cryst., Vol.E63, pp.o4912-o4913, 2007.</p> <p>11. Sudha, D., Chinnakali, K., Jayagobi, M., Ragunathan, R. and Fun, H.K. "7-Bromo-3-ethyl-9-phenyl-2-tosylpyrrolo[3,4-b]quinolone", Acta Cryst., Vol.E64, pp.o134, 2008.</p> <p>12. Sudha, D., Chinnakali, K., Jayagobi, M., Ragunathan, R. and Fun, H.K. "3-Ethyl-9-phenyl-2-tosyl-2,3,3a,4,9,9a-hexahydro-1H-pyrrolo[3,4-b]quinolone", Acta Cryst., Vol.E64, pp.o425, 2008.</p> <p>13. Chinnakali, K., Sudha, D., Jayagobi, M., Ragunathan, R. and Fun, H.K. "cis-1-Ethyl-4,4,6,8-tetramethyl-2-tosyl-2,3,3a,4,6,7,8,9-octahydro-1H-pyrrolo [3',4':3,4]pyrano[6,5-d]pyrimidine-7,9-dione", Acta Cryst., Vol.E65, pp.o1862-o1863, 2009.</p> <p>14. Chinnakali, K., Sudha, D., Jayagobi, M., Ragunathan, R. and Fun, H.K. "1-Ethyl-2-tosyl-4,4,6-trimethyl-2,3,3a,4-tetrahydro-1H-pyrrolo[3,4-c]pyrano[6,5-b]quinoline-11(6H)-one monohydrate", Acta Cryst., Vol.E65, pp.o2099-o2100, 2009.</p> <p>15. Chinnakali, K., Sudha, D., Jayagobi, M., Ragunathan, R. and Fun, H.K. "1-Benzyl-6,8-</p>
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dimethyl-4-phenyl-2-tosyl-1,2,3,3a,4,6,7,8,9,9b-decahydropyrrolo [3,4-c]pyrano[6,5-d]pyrimidine-7,9-dione”, Acta Cryst., Vol.E65, pp.o2907-o2908, 2009.

16. Chinnakali, K., **Sudha, D.**, Jayagobi, M., Ragunathan, R. and Fun, H.K. “4,4-Dimethyl-2-tosyl-1,2,3,3a,4,11b-hexahydro-1H-pyrrolo[3,4-c]pyrano[5,6-c]chromen-11-one 0.125-hydrate”, Acta Cryst., Vol.E65, pp.o2943-o2944, 2009.
17. Chinnakali, K., **Sudha, D.**, Jayagobi, M., Ragunathan, R. and Fun, H.K. “3-Benzyl-9-phenyl-2-tosyl-2,3,3a,4,9,9a-hexahydro-1H-pyrrolo[3,4-b]quinolone”, Acta Cryst., Vol.E65, pp.o2923, 2009.
18. Chinnakali, K., **Sudha, D.**, Jayagobi, M., Ragunathan, R. and Fun, H.K. “3-Benzyl-7-methyl-9-phenyl-2-tosyl-2,3,3a,4,9,9a-hexahydro-1H-pyrrolo[3,4-b]quinolone”, Acta Cryst., Vol.E65, pp.o2924-o2925, 2009.
19. Chinnakali, K., **Sudha, D.**, Jayagobi, M., Ragunathan, R. and Fun, H.K. “3-Benzyl-7-methoxy-9-phenyl-2-tosyl-2,3,3a,4,9,9a-hexahydro-1H-pyrrolo[3,4-b]quinolone”, Acta Cryst., Vol.E65, pp.o2956-o2957, 2009.
20. Chinnakali, K., **Sudha, D.**, Jayagobi, M., Ragunathan, R. and Fun, H.K. “3-Benzyl-7-chloro-9-phenyl-2-tosyl-2,3,3a,4,9,9a-hexahydro-1H-pyrrolo[3,4-b]quinolone”, Acta Cryst., Vol.E65, pp.o2973-o2974, 2009.
21. Chinnakali, K., **Sudha, D.**, Jayagobi, M., Ragunathan, R. and Fun, H.K. “3-Benzyl-7-bromo-9-phenyl-2-tosyl-2,3,3a,4,9,9a-hexahydro-1H-pyrrolo[3,4-b]quinoline”, Acta Cryst., Vol.E65, pp.o3001-o3002, 2009.
22. Mohamed Junaid. K.A., **Sudha, D.**, Sabari L. Uma Maheswari. “Analysis of Peril and Mitigation in Engineering Education for Viable Augmentation”, Procedia Computer Science, Vol.12, pp.523-527, 2020
23. Somasunadaram. M, Mohamed Junaid. K.A., **Sudha, D.**, Sabari L. Uma Maheswari. “Data Analytics Based Risk Management for Students’ Performance – A Case Study”, Modern Management based on Big Data II and Machine Learning and Intelligent

	Systems III, pp.188-194, 2021.	
	24. Sudha, D. , Raja Gopal, S., Sowmiya, J.K., Kannadasan B., Puneet Narayan, Tarun Ghosh. “Study on the heat gain through a twin glass window (TGW) using an organic PC”, Materials Today Proceedings, pp. 1-7, 2022.	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 1	After Joining RMK :1
Ph.Ds / Projects Guided	Ph.Ds Guided : Nil	Student Projects Guided :Nil
Books Published :	Count :4	
	<ol style="list-style-type: none"> 1. Engineering Physics-I, Sri Krishna publications, 2004. 2. Engineering Physics Lab Manual, 2004. 3. Engineering Physics, RK Publishers, 2010. 4. Engineering Physics, Tata McGraw Hill Publishers, 2019. 	
Patents	Published Count :4	Granted Count :Nil
	<ol style="list-style-type: none"> 1. Solar Based Smart First Aid Kit Dispenser Booth in case of Accidents in National High way-13/05/22 2. Smart Attendance- 13/05/2022 3. IoT based smart Stroke Disease prevention system using data mining approach in medical field-25/03/2022 4. Nano particulate drug delivery system targeting to estrogen receptor over-expressed cells- 15/04/2022. 	
Professional Memberships	1	
	INDIAN SOCIETY FOR TECHNICAL EDUCATION	
Consultancy Projects Completed	NIL	
Awards Received	NIL	
	NIL	
Research grants Received	NIL	
Orchid Link / ID	0000-0002-3766-2249	
Google Scholar Link / ID	https://scholar.google.com/citations?user=5U83zXcAAAAJ&hl=en	
Vidwan Link / ID	https://vidwan.inflibnet.ac.in/profile/281790	
Research Gate Link / ID	https://www.researchgate.net/profile/Sudha-Damodaran	
Scopus Link / ID	https://www.scopus.com/authid/detail.uri?authorId=22958793500	