

ANNEXURE

PERFORMANCE OF APPRAISAL REPORT – I

SELF APPRAISAL



A. GENERAL INFORMATION

- a) Name : **Dr. S.VIJAYALAKSHMI M.Sc., M. Phil., Ph.D.**
- (b) Address (Residential) : No 106 Maharani Avenue Phase – I
Park Street, Vadavalli
Coimbatore-641041.
- (c) Designation : Associate Professor of Chemistry
- (d) Department : P.G & Research Department of Chemistry
- (e) Date of Birth & Age. : 03-06-1965; 54.
- (f) Area of Specialization : **Synthetic Organic Chemistry**

B. ACADEMIC QUALIFICATIONS

S. No.	Exams Passed	Board/University	Subject	Year of Passing	Class/Grade
1.	S.S.L.C.	Board of Sec School Examinations, T.N.	Tamil, English, Maths, Science, His. & Geo.	March 1980	First
2.	H. Sc.	Board of Hr. Sec. School Examinations, T.N.	Tamil, English, Phys., Chem., Botany & Zoology	April 1982	First
3.	B.Sc.	Bharathiar University Coimbatore	Chemistry (Major), Physics & Botany (Anc.)	April 1985	First
4.	M.Sc.	Bharathiar University Coimbatore.	General Chemistry	April 1987	First
Research Degrees:					
5.	M. Phil.,	Bharathiar University Coimbatore	Chemistry <i>(Studies in Oxygen Heterocycles – Synthesis of Bisflavones)</i>	Dec.' 1988	Highly Commended
6.	Ph.D.	Bharathiar University Coimbatore.	Organic Chemistry <i>(Synthetic Studies on Fused Naphthyridines)</i>	Sept.' 1996	Highly Commended
7.	Accounts Test	TNPSC – Departmental Tests Examination (December 2001)	Qualified in The Account Test for Executive Officers: Reg. No. 000884; (TNPSC Bulletin Extraordinary: March 2002; Page No. 407)	(December 2001)	

C. RESEARCH EXPERIENCE AND TRAINING : 32 Years (Since 1987)

Research Stage	Title of Work/Thesis	University where the work was carried out
M. Phil., (Chemistry)	<i>Studies in Oxygen Heterocycles: Synthesis of Bisflavones</i>	Bharathiar University, Coimbatore – 641 046.
Ph.D. (Organic Chemistry)	<i>Synthetic Studies on Fused Naphthyridines</i>	Bharathiar University Coimbatore – 641 046
Publications (Give list separately) JOURNALS	Int. Journals: : 04 National Journals: : 03	
CONFERENCES (List Enclosed)	Int. Conferences : 01 National Conferences : 03	
Research Guidance (Give name of the students guided successfully)	Number of M. Phil., Produced: 14 No. Ph. Ds Produced : 01 Candidates doing 01 <i>(Other University : 02)</i> (List Enclosed)	Bharathiar University
Training (Please specify) Orientation Programs & Refresher Courses	[1]. Orientation Program, Duration 30/10/2001 to 26/11/2001. <i>(Four Weeks)</i>	ASC, Bharathiar University, Coimbatore.
	[2]. Refresher Course in Microbial Biotechnology (Interdisciplinary) Duration 10/02/2004 to 01/03/2004. <i>(Three Weeks)</i>	ASC, Bharathiar University, Coimbatore
	[3]. Intensive Refresher Course for College Teachers Duration 06/12/2004 to 10/12/2004. <i>(One Week)</i>	PSGCAS, Peelamedu, Coimbatore
	[4]. Refresher Course in Physical Sciences ASC, BU, Cbe.; Duration 18/01/2008 to 07/02/2008. <i>(Three Weeks)</i>	ASC, Bharathiar University, Coimbatore
	[5]. Orientation Course for NNS Program Officers Duration: 20/06/2KX1 to 25/06/2KX1 (One Week)	NSS – Empanelled Training Institution Avinashilingam Deemed University, Coimbatore
	[6]. Refresher Course for NSS Program	Rajiv Gandhi Institute for

	Officers on Women Empowerment (2013) Duration: Two Weeks	Youth Development Sriperumpudur, Chennai.
Academic Co-Curricular Research Activities	Guiding Students for their UG & PG Project Works	

D. RESEARCH PROJECTS CARRIED OUT

Title of the Project	Name of the Funding Agency	Duration	Remarks
<i>Microwave Synthesis & Pharmacological Studies on Fused Diazepenes and Pyrazoles</i>	UGC, New Delhi	Two Years March 2008 to February 2010	Sanctioned Amount: Rs. 85,000 /- Successfully Completed.

E. SEMINARS, CONFERENCES, SYMPOSIA, WORKSHOPS etc. ATTENDED

S. No.	Name of the Seminar / Conference / Symposia / Workshop	Organizing Institution	Name of sponsoring agency	Duration
1.	National Seminar on Recent Advances in Chemistry	PSGR Krishnammal College for Women	UGC	16/12/2005 to 17/12/2005
2.	Short Term Course in Photophysics of Organic Systems, Theory & Applications.	Bharathiar University, Coimbatore	JNCASR & IISc, Bangalore	01/02/2006 to 04/06/2006
3.	An Introduction. to Computational Chemistry & Molecular Modelling	Amirtha Vishwa Vidhya Peedam, Coimbatore	Amirtha Vishwa Vidhya Peedam, Coimbatore	28/07/2006 to 29/06/2006
4.	Workshop on Current Developments in Chem., (CDC 2008)	GAC, Coimbatore	GAC, CBE	07/02/2008 to 08/02/2008
5.	Int. Conference on Co-ordination & Organometallic Chem., (ICCO 2009)	Bharathiar University, Coimbatore	DST, CSIR, DRDO, UGC	19/03/2009 to 20/03/2009
6.	National Seminar on Recent Developments in Green Chemistry (NSGC 2009)	SRMVCAS, Coimbatore – 20.	UGC	22/07/2009 to 23/07/2009
7.	National Training Cum Workshop On Analytical & Technical Advancement in AAS & GC (WATTA-AG)	Bharathidasan University, Trichy	CSIR – UGC	24/01/2012 to 25/01/2012
8.	National Seminar on Chemistry - Transition-2015	Central University of Tamil Nadu Tiruvavur	CSIR – UGC	13/03/2015 to 14/03/2015

F. TEACHING EXPERIENCE

S. No.	Courses Taught	Name of University/ College/Institution	Duration	
1.	U.G., Engineering Students	Bannari Amman Institutes of Technology, Sathiyamangalam, Erode	July' 1996	June' 1997
2.	U.G., & P.G. Engineering Students	Government College of Technology, Coimbatore.	July' 1997	Aug.' 1998
2.				
1.	U.G. (B.Sc.) & PG (M. Sc.,)	Kongunadu Arts & Sc. College (Autonomous), Coimbatore.	03/09/1998 to 31/05/2000.	1 Year & 09 Months
2.	U.G. (B.Sc.,)	LRG Govt. Arts College Tirupur	28/08/2000 to 01/07/2002	1 Year & 10 Months
3.	U.G. (B.Sc.)	Govt. Arts College (Autonomous), Coimbatore	01/07/2002 (AN) to 01.05.2019	16 Years & 10 Months
4.	PG (M. Sc.,)	Govt. Arts College (Autonomous), Coimbatore	01/07/2002 (AN) to 01.05.2019	16 Years & 10 Months
5.	M. Phil.,	Govt. Arts College (Autonomous), Coimbatore	01/07/2005 to 01.05.2019	13 Years & 08 Months
6.	Ph.D.,	Govt. Arts College (Autonomous), Coimbatore	01/07/2008 to 01.05.2019	11 Years & 08 Months
Total Years of Experience		(i). U.G. (B.Sc.)	23 Years & 01 Months	
		(ii). PG (M. Sc.)	21 Years & 0 Months	

G. INNOVATIONS/CONTRIBUTION IN TEACHING

- (a) Design of Curriculum : Committed in Reconstruction of U.G., & P.G., Syllabi for UG, PG, Courses (Both Theory and Practicals)
Served in the Capacity of the Member, Board of Studies.
- (b) Teaching Methods : Lecturing, Demonstrations, Assignments, Seminars, Group Discussions, Symposia, M.S. Power Point Presentations, etc.
Teaching through OHPs, Slides, Charts and AV equipments.
- (c) Laboratory Experiments : Design of Novel and New Experiments, Development of Synthetic Protocols, Introduction of Novel Materials as Model Drugs and other Industrially Important Intermediates.
Training students with Industrial Analytical Instruments, trouble shooting, fabrication / servicing of Analytical Instruments, etc.

- (d) Evaluation methods : Tutoring, Questioning, Seminar, Assignment, Problem Solving Exercises, Questionnaires, Oral Viva – voce Examinations, Continuous Assessment Test, Evaluation of Practical Skill, Group Discussions, Presentation, Project & Dissertation, Development of Models & Visuals, etc.
- (e) Preparation of resource materials including books, reading materials, Laboratory materials etc. : Standard Text & Reference Books, Reference work through Int. Journals, Periodicals, Research Papers, books by reputed authors.
- (f) Remedial teaching/Student Counseling (academic) : Special coaching for weak students, seminars, assignments, clearing doubts periodically, bridge courses and through tutorial system helping the individual to develop attitudes, skills etc.
- (g) Any other : As Class Tutor counseling all students especially weaker ones, naughty students and poor students below average level.

H. EXTENSION WORK/COMMUNITY SERVICE:

(a) Please give a short account of your contribution to:

- (i) Community work such as values of national integration, secularism, democracy, socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc. : Visiting under developed areas and rural centres When necessary counseling for poor and weaker section of society. Awareness for small family norms, hygiene and national integrity
Helping students and public to develop social awareness, Natural calamity relief work, AIDS awareness, etc.
- (ii) National Literacy mission : Involved and conduct of Adult Literacy, regular visits to rural for awareness of education and conducting literacy programme
- (b) Positions held/Leadership role played in organizations linked with extension work and National Service Scheme (NSS) or NCC or any other similar activities : Helping NCC and NSS Units of the College in conducting independence day parade, Republic day parade, AIDS awareness rally, Anti-tobacco rally, rain water harvesting rally etc.

I. PARTICIPATION IN CORPORATE LIFE:

Please give a short account of your contribution to:

- (a) College/University/Institution : Member of Board of Studies, Academic Council, Disciplinary Committee, Admission Work, time-

table preparation, tutor in-charge etc.

- (b) Co-curricular Activities : Organizing seminars,etc.
Special coaching given to the students to develop their language proficiency, aptitude and other soft skills
- (c) Enrichment of campus life (hostel, Sports, games, cultural activities) : Conducting and taking part in Games and Sports, Cultural activities
- (d) Students welfare and discipline : Tutor for UG students, maintaining discipline within college
- (e) Membership/Participation in bodies/committee on Education and national development Board of Studies, Govt. Arts College,, Question Paper setting for theory and practicals for many universities and colleges
- (f) Professional Organization of Teachers
- (g) (i) Membership of Professional Bodies, Societies, etc. --
(ii) Editorship of Journals --
- (h) Any other information --

Signature of the Teacher

LIST OF PUBLICATIONS:

- [1]. Synthesis of Dibenzo[b,h][1,6]naphthyridin-6[5H]-ones, **S. Vijayalakshmi** and S.P. Rajendran, *Ind. J. Chem.*, 33, (1994), 159.
- [2]. Synthesis of Pyrazolo(3-6)quinolines and their 1-Phenyl Derivatives S.P. Rajendran, M. Mononmani and **S. Vijayalakshmi**, *OPPI BRIEFS* 26, (1994), 307.
- [3]. A new Synthesis of 6,7-Dichlorodibenzo[c,f][2,7]naphthyridines, via. Photocyclisation, **S. Vijayalakshmi** and S.P. Rajendran, *OPPI BRIEFS* 30, (1998), b12.
- [4]. Synthesis of 6-Chloro-7-phenyldibenzo[b,h][1,6]naphthyridine-4(1H)ones, **S. Vijayalakshmi** and S.P. Rajendran, *Heterocycl. Commun.*, 6 (2000), 579.
- [5]. A new approach to the synthesis of benzo[b][1,8]naphthyridine-4(1H)ones, **S. Vijayalakshmi** and S.P. Rajendran, *Heterocycl. Commun.*, 7 (2001), 177.
- [6]. Synthesis and Biological studies of fused diazepines, **S. Vijayalakshmi** and **S. Prabhavathi**, *Ind. J. Heterocycl. Chem.*, 18, (2008), 149.
- [7]. Synthesis of 2-Phenoxyquinoline-3-carboxylic acids by Microwave Assisted Ullmann Condensation, U. Thangavel Saravanan and **S. Vijayalakshmi**, *Asian J. Chem.*, 24, (2012), 3524.
- [8]. Ecofriendly synthesis of substituted oxazoles and their antimicrobial activity, S. Prabhavathi and **S. Vijayalakshmi**, *Ind. J. Heterocycl. Chem.*, 22, (2012), 09.
- [9]. New Hydroxyl Carboxylic acid from the Root bark of *Ziziphus oenoplia*, S. Prabhavathi, **S. Vijayalakshmi**, *J. Pharmagnosy. Phytochem*, 3, (2015), 150.
- [10]. Identification of New Aliphatic hydroxyl ether from the Root bark of *Ziziphus oenoplia*, S. Prabhavathi, **S. Vijayalakshmi**, *J. Pharmagnosy Phytochem*, 59, (2016), 85.
- [11]. Discovery, synthesis and molecular substantiation of N-(benzo[d]thiazo-2-yl)-2-hydroxyquinoline-4-carboxamides as anticancer agents., B.Bindu and **S. Vijayalakshmi**, *Bioorganic Chemistry*, volume 91, 103171 (2019)

PAPERS PRESENTED IN SYMPOSIUM

- [1]. A Photochemical Synthesis of Dibenzo[c,f][2,7]naphthyridin-6,7(5H,7H)diones, S.P. Rajendran and **S. Vijayalakshmi**, New Horizons In Organic Synthesis, (IUPAC-POST IOCS 10th Symposium) Dec.19-20, 1994 at RRL (CSIR), Trivandrum, India.
- [2]. Synthesis of 7-Phenyldibenzo[b,h][1,6]naphthyridin-6[5H]-ones S.P. Rajendran and **S. Vijayalakshmi**, New Horizons In Organic Synthesis, (IUPAC- POST IOCS 10th Symposium) Dec.19-20, 1994 at RRL (CSIR), Trivandrum, India.
- [3]. Eliminative Photocyclization: A Convenient Route to the Synthesis of Dibenzonaphthridine System, S.P. Rajendran and **S. Vijayalakshmi**, Indo – German Symposium on Organic Synthesis Growing Interface with Adjacent Sciences, Sep; 27-28,1996 at II.Sc., Hyderabad.
- [4]. Synthesis and Characterization of Co(II), Ni(II), Cu(II) and Zn(II) Complexes from Bidentate Schiff's Base, **S. Vijayalakshmi** and R. Baby, Int. Conference on Coordination & Organometallic Chemistry, 19 & 20 March 2009, Bharathiar University, Coimbatore.
- [5]. Microwave Assisted Synthesis of Oxazoles and Rapid Synthesis of Substituted Quinolines by Vilsmeier- Haack Reagent. National Seminar on Recent Developments in Green Chemistry, 22 & 23 July 2009, S. Prabhavathi and **S. Vijayalakshmi**, SRMV College, Coimbatore.
- [6]. Rapid Synthesis Of Substituted Quinolines by Vilsmeier-Haack Reagent ,Poster Presentation National Seminar On Recent Developments In Green Chemistry, 22&23 July 2009, S. Prabhavathi and **S. Vijayalakshmi**, SRMV College, Coimbatore.
- [7]. Microwave induced Ullmann reaction for heterocyclic compounds, U. Thangavel Saravanan and **S. Vijayalakshmi**, National Seminar on Emerging Trends in Chemistry, Sep.23-24, 2010, CPA College, Bodinayakanur, Theni.
- [8]. Microwave Assisted Synthesis of Substituted Imidazoles, poster presentation, National Conference on Emerging Trends in Chemistry, Dec.2-3, 2010, S. Prabhavathi and **S. Vijayalakshmi**, Bharathiar University, Coimbatore.