

**RESUME OF THE FACULTY- DR. PUKHRAMBAM GRIHANJALI DEVI**



A. GENERAL INFORMATION

1.	Name of Teacher	PUKHRAMBAM GRIHANJALI DEVI				
2.	Designation	ASSISTANT PROFESSOR				
3.	Department	DEPARTMENT OF CHEMISTRY				
4.	Specialization	ORGANIC CHEMISTRY				
5.	Name of College	G.P.WOMEN'S COLLEGE (Utilized from IMPHAL COLLEGE)				
6.	Date of Birth	27-09-1977				
7.	Date of Joining in the Constituent College of DMU	02-01-2019				
8.	Date of Superannuation	30-09-2042				
9.	Academic Qualification (HSLCE onwards)	<b>Sl. No.</b>	<b>Examination/ Degree Passed</b>	<b>Institution/Board/ University</b>	<b>Division</b>	<b>Year Of Passing</b>
		1.	HSLC	BOSEM	I (77 %) 7 <sup>th</sup> Pos	1993
		2.	AISSCE	CBSE	I (74.6%)	1995
		3.	B.Sc. (Hons. In Chemistry)	Manipur University	I (70.25%)	1999
		4.	M.Sc. (Chemistry)	Kurukshetra University	I (69.4%)	2001
		5.	JRF-NET in Chemical Sciences	CSIR-UGC NET		2002 (June)
		6.	Post-MSc Diploma in Biophysical Sciences	Saha Institute of Nuclear Physics, Kolkata	1 <sup>st</sup> Pos	2003
7.	Ph.D	Jadavpur University		2009		
10.	Teaching Experience in Years	12 years 5 months				
	UG	12 years 5 months				
	PG	2 years 5 months				
11.	Email and Contact numbers	Email: <a href="mailto:grihanjali@gmail.com">grihanjali@gmail.com</a>		Mobile No.: 9612900940		

B. PUBLICATION OF RESEARCH PAPERS IN UGC CARE LISTED/PEER REVIEWED/INDEXED JOURNALS

Sl. No.	Name of the Journal	Title of the Paper	Year of Publication	Name of Publisher	ISSN
1.	International Journal of Pharmacognosy and Phytochemical Research. 2020;12(3):153-161.	Phytochemical Profiling, Antimicrobial Activity and Gas Chromatography Mass Spectrometry Analysis of <i>Allium odorum</i> L. Collected from Ema market, Manipur. Suchitra S, Bhaigyabati Th, Jessie G, Bag GC, Ranjit L, <b>Devi GP*</b>	2020	Dr. Yashwant Research Labs Pvt. Ltd., India	<b>ISSN: 0975-4873</b>
2.	Journal of Pharmacognosy and Phytochemistry. 9(1):2335-2342; 2020	Phytochemical profiling, antioxidant activity, antimicrobial activity and GC-MS analysis of <i>Ipomea aquatica</i> Forsk collected from EMA market, Manipur. Thoudam Bhaigyabati, Suchitra Sanasam, Jessie Gurumayum, GC Bag, Loitongbam Ranjit Singh and <b>Pukhrambam Grihanjali Devi*</b>	2020	AkiNik Publications, India	E-ISSN:2278-4136 P-ISSN:2349-8234
3.	International Journal of Pharmacy and Biological Sciences 9(2):1251-1259; 2019	Chlorophyll content of some selected edible plants sourced from Ima Market, Manipur, India. Jessie G, Th. Bhaigyabati, Suchitra S, GC Bag, L.Ranjit Singh, <b>P. Grihanjali Devi*</b>	2019	JP Research Publications	E-ISSN:2230-7605 P-ISSN:2321-3272
4.	International Research Journal of Pharmacy, 8(6); pp 63-68; 2017	Antioxidant activity, total phenolic and total flavonoid content of <i>Oenanthe javanica</i> Blume (DC) collected from Imphal West District. Th Bhaigyabati, <b>P Grihanjali Devi</b> , N. Romabati Devi and GC Bag	2017	Moksha Publishing House, Rampur, UP, India	ISSN:2230-8407

5.	International Journal of Pharmaceutical Sciences Review and Research, 36(1);pp137-143;2016	Phytochemical screening and antioxidant activity of <i>Meyna laxiflora</i> species found in Imphal West District of Manipur. G.C. Bag, <b>P. Grihanjali Devi</b> and Th. Bhaigyabati	2016	Anusha	ISSN:0976-044X
6.	International Journal of Pharmaceutical Sciences Review and Research, 30(1);pp 154-159; 2015	Assessment of total flavonoid content and antioxidant activity of methanolic rhizome extract of three Hedychium species of Manipur valley. G.C. Bag, <b>P. Grihanjali Devi</b> and Th. Bhaigyabati	2015	Anusha	ISSN:0976-044X
7.	Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2014, 5(5);pp 970-976	Total flavonoid content and antioxidant activity of aqueous rhizome extract of three Hedychium species of Manipur valley. Th Bhaigyabati, <b>P Grihanjali Devi</b> and GC Bag	2014	Dr. Girish K, India	<b>ISSN: 0975-8585</b>
8.	International Journal of Pharm Tech Research, 2013, 5(2); pp 601-606.	Comparative study of phytochemical constituents and total phenolic content in the extracts of three different species of genus Hedychium. Kh. Lemino Singh, L. Ranjit Singh , <b>P. Grihanjali Devi</b> , N. Romabati Devi , L. Somarjit Singh and G. C. Bag.	2013	Sphinx Knowledge House	ISSN : 0974-4304
9.	Polyhedron, 2012, 35: 62–68.	Solid and solution structures and DNA binding properties of $[M^{II}(4-CNpy)_2(SO_4)(H_2O)_3].H_2O$ for M = Cu, Co, Ni Manjit K. Bhattacharyya, <b>P. Grihanjali Devi</b> , Dipak Dasgupta, Sanchay J. Bora, Birinchi K. Das.	2012	Elsevier	ISSN: 0277-5387

10.	Biometals. 2012 Apr;25(2):435-50.	Association of aureolic acid antibiotic, chromomycin A3 with Cu <sup>2+</sup> and its negative effect upon DNA binding property of the antibiotic. Lahiri S, Takao T, <b>Devi PG</b> , Ghosh S, Ghosh A, Dasgupta A, Dasgupta D.	2012	Springer	E-ISSN:1572-8773 P-ISSN:0966-0844
11.	Molecular Microbiology. 2010 Feb;75(3):607-22.	Utilization of variably spaced promoter-like elements by the bacterial RNA polymerase holoenzyme during early elongation. <b>Devi PG</b> , Campbell EA, Darst SA, Nickels BE.	2010	Wiley	Print ISSN: 0950382X Online ISSN: 1365- 2958
12.	Journal of Biological Inorganic Chemistry. 2009 Mar;14(3):347-59.	Inhibition of a Zn(II)-containing enzyme, alcohol dehydrogenase, by anticancer antibiotics, mithramycin and chromomycin A3. <b>Devi PG</b> , Chakraborty PK, Dasgupta D.	2009	Springer	<b>Electronic ISSN</b> 1432-1327
13.	Mini Reviews in Medicinal Chemistry. 2008 Apr;8(4):331-49.	Multiple functions of generic drugs: future perspectives of aureolic acid group of anti-cancer antibiotics and non-steroidal anti-inflammatory drugs. Chakraborty H, <b>Devi PG</b> , Sarkar M, Dasgupta D. (First two authors contributed equally)	2008	Bentham Science	ISSN: 1875-5607 (Online) ISSN: 1389-5575 (Print)
14.	Journal of Physical Chemistry B. 2008 Mar 13;112(10):3251- 8.	Self-association of the anionic form of the DNA-binding anticancer drug mithramycin. Lahiri S, <b>Devi PG</b> , Majumder P, Das S, Dasgupta D.	2008	American Chemical Society	<b>ISSN:</b> 1520-6106 (print); 1520-5207 (web)

15.	Journal of Inorganic Biochemistry. 2007 Jan;101(1):127-37.	Association of antitumor antibiotics, mithramycin and chromomycin, with Zn(II). <b>Devi PG</b> , Pal S, Banerjee R, Dasgupta D.	2007	Elsevier	ISSN: 0162-0134
16.	Journal of Biological Inorganic Chemistry. 2005 Jan;10(1):25-32.	Effect of complex formation between Zn <sup>2+</sup> ions and the anticancer drug mithramycin upon enzymatic activity of zinc(II)-dependent alcohol dehydrogenase. Das S, <b>Devi PG</b> , Pal S, Dasgupta D. (First two authors contributed equally)	2005	Springer	<b>Electronic ISSN</b> 1432-1327

C. PUBLICATION OF BOOKS/CHAPTERS IN BOOKS

Sl. No.	Name of the Book	Title of Chapter	Year of Publication	Name of Publisher	ISBN
1.	Foldscope And Its Applications  Chief Editor: Dr. Arun Dev Sharma	Screening for the presence of microbes in vegetable and water samples from two districts of Manipur India, using Foldscope. <b>Pukhrambam Grihanjali Devi</b> , Indira Yumnam, N. Romabati Devi. pp 55-59.	2019	National Press Associates, New Delhi	ISBN No: 978-93-85835-68-1
2.	Recent Advances in Medicinal Chemistry. Volume 1 Editors: Atta-ur- Rahman, Muhammad Iqbal Choudhary and George Perry	Chapter 1 - New Functions of Old Drugs: Aureolic Acid Group of Anti-Cancer Antibiotics and Non-Steroidal Anti-Inflammatory Drugs.  Hirak Chakraborty, Pukhrambam Grihanjali Devi, MunnaSarkar and DipakDasgupta. 2014, pp 3-55	2014	Bentham Science Publishers Distributed by:	<b>ISBN:</b> 978-1-60805-797-9  eISBN: 978-1-60805-796-2
3.	Women In Science & Social Science: Issues & Challenges in NE India.  Edited by: Meinam Binota and Naorem Sunita Devi	Women in Science and Social Science in North-East India: An Impact Study. <b>Pukhrambam Grihanjali Devi</b> pp 44-51	2013	Sunmarg Publishers, New Delhi	ISBN No.: 978-81-923048-5-4
4.	Subcellular Biochemistry. Volume 41 Chromatin and Disease Editors: Tapas Kundu and Dipak Dasgupta.	Chromatin as a target for the DNA-binding anticancer drugs. Majumder P, Pradhan SK, <b>Devi PG</b> , Pal S, Dasgupta D. (First three authors contributed equally) 2007;41; pp 145-189.	2007	Springer	ISBN No.: 978-1-4020-5465-5

#### D. RESEARCH PROJECTS

Sl. No	Title of the Project	Name of PI/Co-PI	Year of Award	Name of Funding Agency and Amount Sanctioned	Duration of Project
1.	Foldscope Project: Screening for the presence of two common pathogens, namely, E. Coli and Giardia, in vegetables, fruits and water available in 5 villages surrounding Imphal using foldscope.	Pukhrambam Grihanjali Devi	2018 No.BT/IN/Indo-US/Foldscope/39/2015 dated 20.03.2018	Department of Biotechnology, Govt. of India Rs. 6.51 lakhs	One year Sanctioned on: 20-03-2018 Completed on: 16-09-2020
2.	Establishment of Institutional Level Biotech Hub (Continued from 21/09/2010)	Pukhrambam Grihanjali Devi	2018 (7 <sup>th</sup> Year) No. BT/22/NE/2011 (33) dated 11/12/2018	Department of Biotechnology, Govt. of India Rs. 14.09 lakhs	One Year Sanctioned on: 11/12/2018 Completed on: 31/10/2019
3.	Star College Scheme	Pukhrambam Grihanjali Devi	2012 22-03-2012	Department of Biotechnology, Govt. of India Rs. 22 lakhs	Three years Sanctioned on: 22-03-2012 Completed on: May, 2016

#### E. POST-DOCTORAL RESEARCH

Sl.No.	Title of Research Project	Name of Mentor	Year of Award	Name of Funding Agency & Amount Sanctioned	Duration of Project
1.	Bacterial Transcription and Translation studies	Dr. Bryce Nickels, Assistant Professor, Waksman Institute of Microbiology, Dept. of Genetics, Rutgers University, NJ,USA	2008	Waksman Institute of Microbiology, Dept. of Genetics, Rutgers University, NJ,USA.	One Year

F. RESEARCH GUIDE

Sl.No.	Name of Research Scholar guiding at present	Topic of PhD Programme	Date of Registration	Name of University	Relevant document for Research Guideship Recognition
					Yes-attached

G. M.PHIL/Ph.D THESIS/DISSERTATION EXAMINED

Sl.No.	Name of the University	Name of the Topic

H. CONFERENCES/SEMINARS/WORKSHOPS PARTICIPATED OR ORGANIZED

Sl. No.	Name of Conference/Seminar/Workshop participated or Organized	National/International	Date and Venue of Session
1.	One Week National Level Workshop on 'QUESTION PAPER SETTING AND EVALUATION'	National level	9-15 Feb, 2021 Pettigrew College, Ukhrul
2.	One Day State Level Workshop on 'GENDER SENSITIZATION'	State Level	28 Jan, 2021 Imphal College
3.	Three days Workshop for College Teachers of DMU on 'PEDAGOGY AND ASSESSMENT TOOL PREPARATION'	State Level	24-26 May, 2019 DM College of Teacher Education
4.	105 <sup>th</sup> Indian Science Congress	National level	16-20 Mar, 2018 Manipur University
5.	Two-day National Seminar on 'An Autonomous College-Problems and Prospects'	National level	29-30 Jun, 2018 Imphal College, Imphal



6.	Workshop on Capacity building in grant writing skills and effective management of Intellectual Property Rights (IPR) in Biotechnology by Universities and Research Institutions in the North East Region	National Level	20-22 March, 2017 Department of Biotechnology, State Level Biotech Hub, MU
7.	National Conference on Frontiers Research in Chemical Sciences (NCFRCS-2015)	National	13-14, Mar, 2015 Dept. of Chemistry, D.M. College of Science, Imphal
8.	National Level Workshop on Toxicity of Medicinal Plants	National Level	Sep. 26-27, 2014 Dept. of Chemistry Modern College
9.	National Conference on the Emerging Research Avenues in Chemical Sciences (NCERACS-2014)	National Level	Mar. 14-15, 2014 Dept. of Chemistry, Manipur University
10.	National Seminar on Higher Education in India: Revitalization in the perspective of XII FYP. <b>(Co-Coordinator)</b>	National Level	Feb. 26-27, 2013 Imphal College
11.	State Level Seminar on Remote Sensing and its Applications in the studies of Wetland Ecosystem	State Level	May 12-13, 2012 Imphal College, Imphal
12.	National Conference on Frontiers in Chemical Sciences (NCFCS-2012)	National Level	Mar. 20-21, 2012 Dept. of Chemistry, Manipur University
13.	The Importance of Intellectual Property Rights (IPR) in Scientific Research & Development.	National Level	Feb. 24-26, 2012 Imphal College, Imphal
14.	Question Setting and Evaluation Workshop	State Level	Nov.1-7, 2011 Imphal College, Imphal
15.	Advances in GPS & GIS Applications <b>(Co-Convener)</b>	State Level	Oct.5-6,2011 Imphal College, Imphal
16.	Plant Tissue Culture	National Level	Sep. 1-10, 2011

			Institutional Biotech Hub, Dept of Plant Breeding and Genetics, College of Agriculture, CAU
17.	A Two-Day National Seminar on Women in Science & Social Science in North East India. <b>(Convener)</b>	National Level	Apr. 11-12, 2011 Imphal College, Imphal
18.	National Conference on Recent Trends in Natural Products and Other Frontiers in Chemistry (RTNPFC-2011)	National Level	Mar. 15-16, 2011 Dept. of Chemistry, Manipur University
19.	One Day State Level Seminar on Global Warming & Climate Change <b>(Co-Convener)</b>	State Level	Mar. 6, 2011 Imphal College, Imphal
20.	Basic Course on Disaster Management	State Level	Feb. 1 <sup>st</sup> - 5 <sup>th</sup> , Imphal College, Imphal
21.	One Day Seminar on Chemistry-Our Life, Our Future (International Year of Chemistry, IYC-2011)	National Level	Feb. 5 <sup>th</sup> , 2011 Dept. Of Chemistry, Manipur University

#### I. ORAL PRESENTATIONS IN CONFERENCES/SEMINARS/WORKSHOPS

Sl.No.	Name of Conference/Seminar/ Workshop	National/International	Name of Topic presented	Date and Venue of Session
1.	National Conference on Frontiers Research in Chemical Sciences (NCFRCS-2015) 13-14, Mar, 2015	National Level	Preliminary phytochemical screening and antioxidant activity of aqueous, hexane and methanolic extracts of <i>Meyna laxiflora</i> .	14, Mar, 2015 Dept. of Chemistry, D.M. College of Science, Imphal
2.	National Conference on the Emerging Research Avenues in Chemical Sciences (NCERACS-2014) Mar. 14-15, 2014	National Level	Comparative study of the phytochemical constituents in different extracts of three species of <i>Hedychium</i> .	14 <sup>th</sup> Mar, 2014 Dept. of Chemistry, Manipur University

3.	National Conference on Recent Trends in Natural Products and other Frontiers in Chemistry (RTNPC-2011 ) Mar. 15-16, 2011	National Level	Role of metal ion binding property of the aureolic acid group of anticancer antibiotics in their molecular basis of action	Mar. 15, 2011 Dept. of Chemistry, Manipur University
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J. CHAIRING OF SESSIONS IN CONFERENCES/SEMINARS/WORKSHOPS

Sl.No.	Name of Conference/Seminar/ Workshop	National/International	Name of Session	Date and Venue of Session

K. INVITED TALKS IN CONFERENCES/SEMINARS/WORKSHOPS/UGC-SPONSORED COURSES

Sl.No.	Name of Conference/Seminar/Workshop/ Course	National/ International	Name of Topic presented	Date and Venue of Session
1.	National Seminar on “NAAC Assessment & Accreditation of Higher Educational Institutions”	National	‘Preparing for NAAC Cycle-1’	28 Aug, 2018 Presidency College, Motbung
2.	Two Day National Seminar on ‘Assessment of Higher Educational Institutions by NAAC: Problems & Prospects’	National	“Preparing for NAAC Cycle-1 and Cycle-2”	26-27 May, 2018 Maharaja Bodhchandra College, Imphal

L. CHAIRPERSON/MEMBER OF SCIENTIFIC/EDUCATIONAL BODIES

Sl.No.	Name of the Body	National/International	Year of Membership and Number
1.	<b>The Indian Science Congress Association</b>	National	
2.	The Indian Chemical Society	National	
3.	The Indian Biophysical Society	National	

M. EDITORIAL BOARD MEMBER OF ACADEMIC JOURNALS/BOOKS

Sl.No.	Name of Journal/Book

N. CHAIRMAN/MEMBER/CO-ORDINATOR/CO-CONVENOR/NODAL OFFICER OF BOARDS/COMMITTEES/SUB-COMMITTEES OF DEPARTMENT/COLLEGE/UNIVERSITY/INSTITUTE

Sl.No.	Name of Committee/Sub-Committee etc.	Name of Affiliation	Period
1.	Co-ordinator, IQAC	Imphal College	<b>August 2016- December 2018.</b>
2.	Member, Planning Board	Imphal College	2018
3.	(a) Co-Coordinator, (b) Coordinator,	<b>Institutional Advanced Level Biotech Hub, Imphal College</b>	<b>2014-April 2018 May, 2018 – Dec, 2018</b>

O. REFEREE OF RESEARCH JOURNALS/BOOKS

Sl.No.	Name of Research Journal/Book	Title of paper	Remark

P. AWARDS/HONOUR/RECOGNITION

Sl.No.	Name of the Award/Honour/Recognition	Awarding Body/Organization	Year of Award

Q. EXAMINATION RELATED AND OTHER CONFIDENTIAL WORKS (eg. Paper setting, paper moderation, invigilation, Evaluation, Internal/External Examiners, conduct of admission Tests etc.)

Sl. No.	Particulars of Work in brief	
1.	<b>2020</b>	<b>1. Internal Practical Examiner in Chemistry Paper 9 for B.Sc 6<sup>th</sup> Sem Exam, 2019 (May) (DMU)</b> <b>2. Internal Practical Examiner in Chemistry Paper 9 for M.Sc 4<sup>th</sup> Sem Exam, 2020 (May) (DMU)</b>
2.	<b>2019</b>	<b>Questing setting of B.Sc.5<sup>th</sup> Semester Examination, 2019 (Nov)</b> <b>For Chemistry Honours paper CHM:SE-H505</b>
3.	<b>2018</b>	<b>Questing setting of B.Sc.5<sup>th</sup> Semester Examination, 2018 (Nov)</b> <b>For Chemistry Honours paper CHM:SE-H505</b>
4.	<b>2017</b>	<b>1. Internal Practical Examiner in Chemistry Paper 2 (Practical) for B.Sc 2<sup>nd</sup> Sem Exam, 2017 (May)</b>
5.	<b>2016</b>	<b>1. Internal Practical Examiner in Chemistry Paper I (Practical) for B.Sc 1<sup>st</sup> Sem Exam, 2015 (Dec)</b> <b>2. Examiner in Chemistry Paper 4 for B.Sc 4<sup>th</sup> Sem Exam, 2016 (May)</b> <b>3. Internal Practical Examiner in Chemistry Paper I (Practical) for B.Sc 1<sup>st</sup> Sem Exam, 2016 (Nov)</b>
6.	<b>2015</b>	<b>1. Examiner in Chemistry Paper 1 for B.Sc 1<sup>st</sup> Sem Exam, 2014 (Dec)</b>

R. FRAMING OF CURRICULUM AND SYLLABI

Sl.No.	UG	PG

S. EXTENSION AND COLLABORATIVE WORKS

Sl.No.	Particulars of Work in brief
1.	Introductory and Popular Talks on Chemistry, Enzyme Biotechnology, etc.given to High school/Higher secondary school students as part of Extension activities under Institutional Advanced Level Biotech Hub, Imphal College

T. OTHERS IF ANY

This Faculty member has contributed to the development of some e-contents using ICT tools for the students.

Sl. No.	Title	Date	ICT tools used (not power point)
1.	Bio-rays Annual E-news Bulletin Institutional Advanced Level Biotech Hub, Imphal College <a href="https://imphalcollege.edu.in/biotech_hub.html">https://imphalcollege.edu.in/biotech_hub.html</a>	2016, 2017, 2018, 2019	Annual E-news Bulletin <a href="https://imphalcollege.edu.in/documents/Bio-rays-May-2015-April-2016.pdf">https://imphalcollege.edu.in/documents/Bio-rays-May-2015-April-2016.pdf</a> <a href="https://imphalcollege.edu.in/documents/Bio-rays-May-2016-April-2017.pdf">https://imphalcollege.edu.in/documents/Bio-rays-May-2016-April-2017.pdf</a> <a href="https://imphalcollege.edu.in/documents/Bio-rays-May-2017-April-2018.pdf">https://imphalcollege.edu.in/documents/Bio-rays-May-2017-April-2018.pdf</a> <a href="https://imphalcollege.edu.in/documents/Bio-rays-May-2018-April-2019.pdf">https://imphalcollege.edu.in/documents/Bio-rays-May-2018-April-2019.pdf</a>
2.	FEGOCTA Online Lecture 18, 'Elimination Reactions for B.Sc Chemistry 6 <sup>th</sup> Sem'	Sep, 2020	YouTube <a href="https://www.youtube.com/watch?v=ycDSh9Aee18">https://www.youtube.com/watch?v=ycDSh9Aee18</a> <a href="https://www.fegocta.org/online-lecture/notes-of-online-lectures/category/3-bachelor-of-science-6th-semester">https://www.fegocta.org/online-lecture/notes-of-online-lectures/category/3-bachelor-of-science-6th-semester</a>
3.	GP Women's College Video Classes S 017 'Elimination Reaction'	Nov, 2020	YouTube

**Dr. PUKHRAMBAM GRIHANJALI DEVI**  
**ASSISTANT PROFESSOR**  
**DEPARTMENT OF CHEMISTRY**  
**GP WOMEN'S COLLEGE**  
**(UTILIZED FROM IMPHAL COLLEGE)**