

## CURRICULUM VITAE



### Personal Details

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Name	Dr. Churala Pal
Name of Father	Dr. Jayanta Pal
Date of Birth	28/ 05/ 1980
Present Address (Address for communication)	551/1, Diamond Harbour Road, Thakurpukur, Kolkata 700 063. West Bengal.
Permanent Address	551/1, Diamond Harbour Road, Thakurpukur, Kolkata 700 063. West Bengal.
Nationality	Indian
Marital Status	Married
Name of Husband	Dr. Prabal Giri
Sex	Female
Category	General
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### Academic Qualification

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Examination Passed	Board/ University	Year of Passing	% of Marks Obtained	Division/ Class	Subjects Taken
Madhyamik Pariksha	W.B.B.S.E	1996	73.90	I	B, E, Hist, Geo, L.SC, P.SC, Math, H.SC (Add)
Higher Secondary	W.B.C.H.S.E	1998	71.40	I	B, E, Chem, Phy, Bio-Sc, Math
B.SC (Hons)	Calcutta University	2002	66.75	I	Chem (Hons), Phy, Math, Envs, B, E
M.SC	Calcutta University	2004	61.20	I	Chemistry Organic Chemistry (Special)
Ph.D	Jadavpur University	2009	N.A.	N.A.	Organic Chemistry Thesis Title <i>“Synthetic studies and pharmacological evaluation of bis- and tris- indolyl alkane/ arane derivatives”.</i>
NET	CSIR-UGC	2004	N.A.	N.A.	Chemical Sciences
SLET	WBCSC	2004	N.A.	N.A.	Chemical Sciences
GATE	IIT Bombay	2005		88 <sup>th</sup>	Chemistry

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## Employment

- ❖ **July 23<sup>rd</sup>, 2010-till date: State Aided College Teacher, Category I (SACT I)**  
Basanti Devi College, Gariahat, Kolkata.
- ❖ **January, 2005-December, 2009: Junior and Senior Research Fellow (CSIR),**  
Chemistry Division, Indian Institute of Chemical Biology, Jadvapour, Kolkata.

## List of Publications:

1. P. Giri, **C. Pal (2014)**. An overview on the thermodynamic techniques used in food chemistry, *Modern Chemistry and Applications*, **2**, 1-5.
2. S. Roy, R. Gajbhiye, M. Mondal, **C. Pal**, A. Meyyapan, J. Mukherjee, P. Jaisankar (2014). Synthesis and antibacterial evaluation of 3,3'-diindolylmethane derivatives, *Medicinal Chemistry Research*, **23**, 1371-1377.
3. P. Giri, **C. Pal (2014)**. Ecotoxicological aspects of pharmaceuticals on aquatic environment, *American Journal of Drug Discovery*, **1**, 10-24.
4. P. Giri, **C. Pal (2013)**. An overview on the molecular aspects of food additives, *International Journal of Chemical and Life Sciences*, **2**, 1207-1212.
5. **C. Pal**, S. Roy, M. Mondal, P. Giri, G.S. Kumar, J. Mukherjee, P. Jaisankar (2013). Studies on aqueous solubility of 3,3'-diindolylmethane derivatives using cyclodextrin inclusion complexes, *Journal of Molecular Structure*, **1036**, 1-6.
6. **C. Pal**, P. Giri (2012). Greener world: a strategy towards sustainable development, *Advances in Pure and Applied Chemistry*, **1**, 80-85.
7. P. Giri, **C. Pal (2012)**. Pharmaceuticals in the environment: a brief review, *Advances in Pure and Applied Chemistry*, **1**, 73-76.
8. **C. Pal**, P. Giri (2012). Green revolution in chemistry: chemistry for a sustainable environment, *Environmental Science: An Indian Journal*, **7**, 383-390.
9. J.B. Chakraborty, S.K. Mahato, K. Joshi, V. Shinde, S. Rakshit, N. Biswas, I. Choudhury, Mukherjee, L. Mandal, D. Ganguly, A.A. Chowdhury, J. Chaudhuri, I. K. Paul, B.C. Pal, J. Vinayagam, **C. Pal**, A. Manna, P. Jaisankar, U. Chaudhuri, A. Konar, S. Roy, S. Bandyopadhyay (2011). Hydroxychavicol, a Piper betle leaf component, induces apoptosis of CML cells through mitochondrial reactive oxygen species-dependent JNK and endothelial nitric oxide synthase activation and overrides imatinib resistance, *Cancer Science*, **103**, 88-89.

10. **International patent: (WO/2010/079423)** Inhibitors of phosphatidylinositol-3-kinase (pi3) and inducers of nitric oxide (NO), (2010)
11. A ,Elango, D. Nandi, J. Vinayagam , **C. Pal**, S. Dey, V. S. Giri, J. Mukherjee, S. Garai, P.Jaisankar (2009). Antibacterial Activity and Anticorrosive Efficiency of Aqueous Methanolic Extract of Artemisia pallens (Asteraceae) and Its Major Constituent, *J.Complement. Integ. Med.*, **6**, 1-11.
12. S. Dey, **C. Pal**, D. Nandi, V. S. Giri, M. Zaidlewicz, M. Krzeminski, L. Smentek, B. A. Hess, Jr., J. Gawronski, M. Kwit, N. J. Babu, A. Nangia, P. Jaisankar (2008). Lewis Acid-Catalysed One-pot, Three Component Route to Chiral 3,3'- Bipyrrroles. *Organic Letters*, **10**, 1373-1376.
13. A, Roy, A. Ganguly, S. B. Dasgupta, B.B.Das, **C. Pal**, P. Jaisankar, H. K. Majumder (2008). Mitochondria dependent ROS-mediated programmed cell death (PCD) induced by 3,3'- Diindolymethane (DIM) through Inhibition of FoF1-ATP Synthase in unicellular protozoan parasite Leishmania donovani, *Moecular Pharmacology*, **74**, 1292-1307.
14. A,Roy, B. B. Das, A. Ganguly, S. Bose Dasgupta, N. V. M. Khalkho, **C. Pal**, S. Dey, V. S. Giri, P. Jaisankar, S. Dey and H. K. Majumder (2008) An insight into the mechanism of inhibition of unusual bi-subunit topoisomerase I from Leishmania donovani by 3,3'-diindolymethane, a novel DNA topoisomerase I poison with a strong binding affinity to the enzyme, *Biochemical Journal*, **409**, 611–622.
15. **C. Pal**, S. Dey, S. K. Mahato, J. Vinayagam, P. K. Pradhan, V. S. Giri, P. Jaisankar, T. Hossain, S. Baruri, D. Ray and S. Mandal Biswas (2007) Eco-friendly synthesis and study of new plant growth promoters:3,3'- Diindolymethane and its derivatives, *Bioorganic Medicinal Chemistry Letters*, **17**, 4924-4928.

#### **Papers presented in conference/seminars**

- 1) **C. Pal** (2014). Green chemistry in pharmaceutical industry: biocatalysis. **Indian Chemical Society sponsored National symposium on recent advances in chemistry and industry**, August, Kolkata.
- 2) **C. Pal** (2014). Environmental safety through phytase. **Dept. of Science & Technology, West Bengal sponsored State Level Seminar on "Impact of Pollution: Assessment and Awareness"**, February, Hooghly Women's College, Hooghly.
- 3) **C. Pal** (2013). Eco-friendly extraction of natural products. **20<sup>th</sup> West Bengal State Science & Technology Congress**, March, BESU, Howrah.
- 4) **C. Pal** (2013). Art of natural product synthesis through pericyclic pathway. Chemistry Section, **100<sup>th</sup> Indian Science Congress**, January, Kolkata.

- 5) C. Pal (2013). Green revolution in chemistry: "chemistry for a sustainable environment. Environmental Sciences Section, **100<sup>th</sup> Indian Science Congress**, January, Kolkata.
- 6) P. Giri, C. Pal (2012). Green Chemistry as a strategy towards sustainable development. **National conference on sustainable development through innovative research in science and technology**, September, Jadavpur University.
- 7) P. Giri, C. Pal (2012). New challenges for higher education and global perspectives. **National level seminar on role of governance in quality assurance in HEIs**, March, University of Calcutta.
- 8) P. Giri, C. Pal (2011). Chemical Biology as a multidisciplinary field of natural sciences: Challenge & Perspectives. **UGC Sponsored National Level Seminar on "Exploration of Biological Processes through Chemical Sciences"**, December, Narasinha Dutt College, Howrah.
- 9) C. Pal, P. Giri (2011). Stereochemical overview on odor of organic compounds. **CRSI (Kolkata Chapter) Sponsored National Seminar on "Chemical Research in the First Decade of 21st Century"**, August, Visva-Bharati.
- 10) C. Pal, P. Giri (2011). Role of atropisomerism in drug delivery. **UGC Sponsored One day Seminar on "International Year of Chemistry: Impact of Chemistry in our lives"**, March, Visva-Bharati.
- 11) P. Giri, C. Pal (2011). Natural resources and its conservation. **UGC Sponsored National Level Seminar on "Pollution: disbalancing the global environment: threats and prevention"**, March, Bolpur College.
- 12) C. Pal (2010). Screening of 3, 3'- diindolylmethane derivatives as possible antimicrobial agents. **UGC Sponsored National Level Seminar on "Chemistry: a pathway to biological processes"**, September, Hooghly Mohsin College.
- 13) C. Pal (2010). 3, 3'-diindolylmethane (dim) and its biodiverse role as a possible therapeutic agent for *leishmaniasis*. **UGC Sponsored State Level Seminar on "Biodiversity: Issues and Concerns"**, March, Guskara Mahavidyalaya.
- 14) C. Pal (2010). Enhanced solubility of 3,3'-diindolylmethanes by glycosylation approach. **17<sup>th</sup> West Bengal State Science & Technology Congress**, March, WBUAFSCL, Kolkata.