



Certificate of Membership

We appreciate the contribution of
Prof. Dr. (Mrs.) Ajay Sareen, President
of Institution's Innovation Council established under the aegis of MHRD's Innovation Cell at
Hans Raj Mahila Maha Vidyalaya, Jalandhar for
the academic year 2018-19.

Dr. Abhay Jere
Chief Innovation Officer
MHRD's Innovation Cell

Mr. Dipan Sahu
National Coordinator
MHRD's Innovation Cell

Mr. Ankush Sharma
Zonal Coordinator
MHRD's Innovation Cell



Certificate of Membership

We appreciate the contribution of
Dr. Anjana Bhatia, Member
of Institution's Innovation Council established under the aegis of MHRD's Innovation Cell at
Hans Raj Mahila Maha Vidyalaya, Jalandhar for
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MHRD's Innovation Cell

Mr. Ankush Sharma
Zonal Coordinator
MHRD's Innovation Cell





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Congratulations! We are pleased to inform that your institute has been selected for establishing Institution Innovation Council (IIC) at your premises as per the norms and directions of Innovation Cell, Ministry of HRD, Govt. of India.



Kindly be active on AICTE as well as MIC webpage for further updates regarding participation in activities. We are in course of transferring entire portal over www.mic.gov.in which

 harpreet



Innovation (il1

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All India Council for Technical Education
Ministry of Human Resource Development
Government of India

Incubation Workshop in
Collaboration with IIM Indore
<http://hmvnews.blogspot.com/search?q=IIM+iNDORE>

Relevant to the era of technology and rapid automation, the PG Department of Commerce and Management hosted a two day workshop on Digital Marketing in collaboration with i5 Summit IIM Indore and Make intern. 6 students namely Gulfam, Anupriya, Vani, Harmehak, Geetanjali and Muskan were selected for participation in the finale of i5 Summit at IIM Indore. 43 students participated in the workshop.



Punjab Startup Yatra Bootcamp

Students Participated in Idea Pitching Punjab Startup Yatra Bootcamp.



Scholars analyzed synthesised organic samples, nanoparticles, thin films etc. in **Start up Lab.**
<https://hmvnews.blogspot.com/search?q=priya+nano>

Dr Ekta Khosla, Associate Professor in Chemistry in Hans Raj Mahila Maha Vidyalaya, Jalandhar has completed a research Project along with her two undergraduate students Ms. Priya Kumari and Anmol Sharma. The trio synthesized silver nano particles by using Indian mythological important plant leaves leaves in the **Start Up Laboratory.** The particles were characterized by UV, FTIR, XRD and TEM.



Workshop on Creative Classroom Teaching

<http://hmvnews.blogspot.com/search?q=Workshop+on+Creative+Classroom+Teaching+>

A workshop on Creative Classroom Teaching was organized by the Innovation Cell under IQAC of Hans Raj Mahila Maha Vidyalaya to make classroom a more generative and responsive place.



Fine Arts Department organized Ten Days Hobby classes of Creative Art & Craft items

<http://hmvnews.blogspot.com/2016/10/fine-arts-department-organized-ten-days.html>

Ten Days creative Hobby classes by the Department of Fine Arts was organized by the faculty for the students of B.D., B.F.A. & B.A. (Fine Arts) to learn creative art & craft techniques. Faculty of Fine Arts conducted the workshop and give demonstration to the students. Students participated with great enthusiasm and explored various items which included Pot Painting, Glass Painting, Stone Art, Fabric painting and low relief slabs.



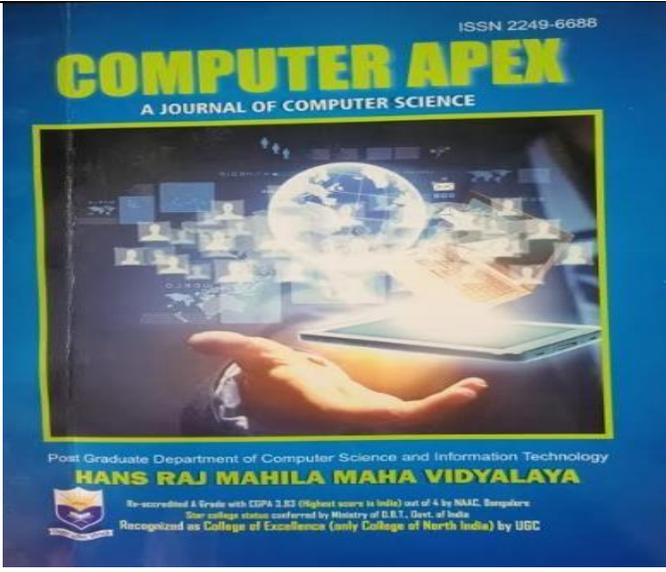
Cooking Classes

<http://hmvnews.blogspot.com/2017/03/hmv-organized-hobby-classes-in-cookery.html>

3-days Hobby classes in Cooking were organized by Home Science department of Hans Raj Mahila Maha Vidyalaya . Students of different streams participated in the cooking classes. Mrs. Parveen, expert in cooking with fifteen years experience in cooking, conducted these classes. The students learnt 2 snacks, 2 main course dishes and 2 deserts in the said classes. She also gave some useful tips of cooking.



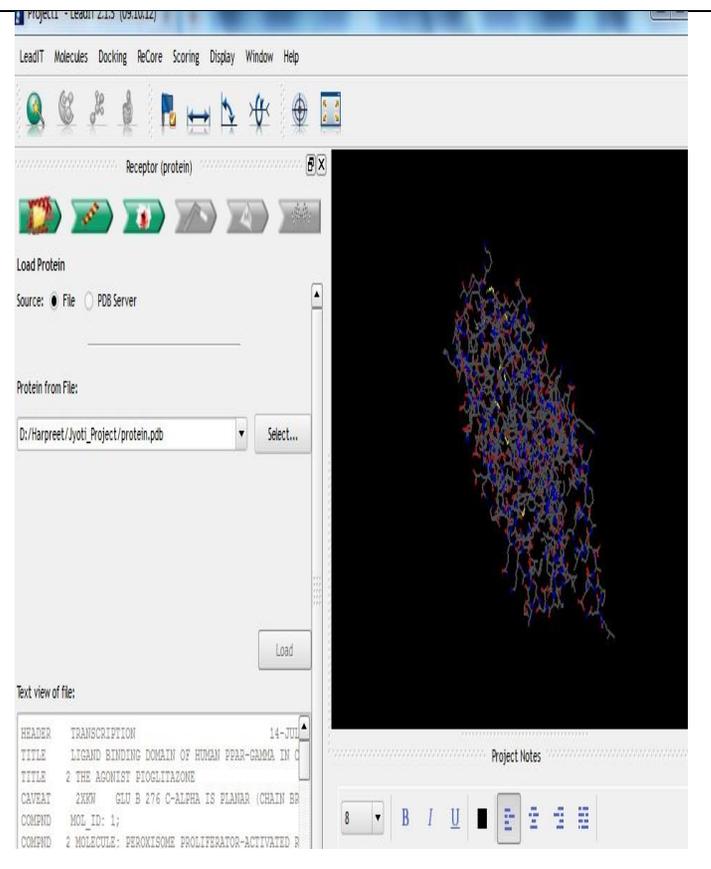
<p>Summer Camp https://hmvnews.blogspot.com/search?q=Summer+camp</p>	<p>Summer Camp organized in Hans Raj Mahila Maha Vidyalaya in which Students learnt swimming, cooking, fitness, nail art, hair styling, screen printing, block printing, public speaking, flower making, paper craft, decorative bags, jewellery designing and photography.</p>	 A group of women are gathered around a long wooden table in a classroom or workshop setting. They are engaged in a hands-on activity, likely screen printing or block printing. Several women are leaning over the table, focused on their work. The table is covered with various materials, including papers, ink containers, and tools. In the background, there are mannequins and sewing machines, suggesting a fashion or textile-related environment. The women are dressed in colorful traditional Indian attire, including saris and blouses. The atmosphere appears to be one of collaborative learning and creativity.
<p>HMV Fashion Designing students ready for a Start-up http://hmvnews.blogspot.com/2019/05/hmv-fashion-designing-students-ready.html</p>	<p>Giving the wings to the young designers the Incubation Cell of the HMV organized mentoring workshop of Fashion Designing students in collaboration with Ms. Winky Singh the mentor who is owner of Ministry of Design, a unique boutique at New Delhi. Ms. Winky also has</p>	

	<p>the distinction of training the Tihar Jail inmates for designing. The students were provided a platform to work while they study and by the time they will finish their degree they will be earning a handsome amount and be ready for a start-up while they are studying.</p>	
<p>Journals Published in College</p>	<p>Computer Apex, Commerce Spectrum, Indian Journal of Biotechnology, Sahityavlokan and International Journal of Social Sciences.</p>	

		
<p>Tie ups with topmost Indian Institutes for Major Research Projects of Students</p> <p>http://hmvnews.blogspot.com/2017/01/hmv-student-selected-in-indian.html</p>	<p>Tanvi Monga, a student of M. Sc. Bioinformatics Semester-IV, was selected to carry on her Major Research Project in the top most research institute of India, the Indian Institute of Science, Bangalore. She worked under the guidance of Dr. Debanath Pal in the Department of Computational and Data Sciences.</p>	

Well Equipped Research Labs

Research labs are well equipped with the latest hardware and software, IBM Xeon Server, High-end open source as well as paid software including GROMACS, Auto Dock, MOE, ReCore,



The screenshot displays the LeadIT software interface. The main window shows a 3D ribbon representation of a protein structure, labeled "Receptor (protein)". The interface includes a menu bar with options: LeadIT, Molecules, Docking, ReCore, Scoring, Display, Window, and Help. Below the menu bar is a toolbar with various icons. The "Load Protein" section has two radio buttons for "File" (selected) and "PDB Server". The "Protein from File:" section contains a text input field with the path "C:/Harpreet/Jyoti_Project/protein.pdb" and a "Select..." button. A "Load" button is located below the input field. The "Text view of file:" section shows a text editor with the following content:

```
HEADER TRANSCRIPTION 14-JUL-00
TITLE LIGAND BINDING DOMAIN OF HUMAN PPAR-GAMMA IN COMPLEX WITH
TITLE 2 THE AGONIST PIOGLITAZONE
CAVEAT 2XEM GUU B 276 C-ALPHA IS PLANAR (CHAIN BR
COMPND MOL_ID: 1;
COMPND 2 MOLECULE: PEROXISOME PROLIFERATOR-ACTIVATED R
```

At the bottom right, there is a "Project Notes" section with a text area and a toolbar containing icons for bold, italic, underline, and other text formatting options.

V B S P
JUBBI

CHEMICAL COMPUTING GROUP

Payee Name: Harpreet Singh
Address: 10000 104 Street, Suite 100, Richmond, BC V6V 1K4, Canada
Phone: 604-273-1000
Email: harpreet@chemcomp.ca

Invoice Number	Invoice Date	Invoice Period	Amount Due
CCG-2015-01	2015-01-01	2015-01-01 to 2015-03-31	2,100.00
CCG-2016-01	2016-01-01	2016-01-01 to 2016-03-31	2,100.00
CCG-2017-01	2017-01-01	2017-01-01 to 2017-03-31	2,000.00
Total Amount Due			6,200.00

Payment Received: 6,200.00

Balance Due: 0.00

TERMS:
 All amounts due are payable to CCG and are inclusive of all taxes, and all other taxes, duties and other fees may be payable in or to any jurisdiction or authority whatsoever, which taxes, duties and fees shall be responsibility of Harpreet Singh/ Madhu Maha Vijayaraja other than taxes on the net income of CCG.

SEND PAYMENTS TO U.S. PAYEE:
 Please advise that the payee is for the **MADHU MAHA VIJAYARAJA** account on the invoice and is not for the **CHEMICAL COMPUTING GROUP** account.
SEND TO: NATIONAL BANK OF CANADA
SWIFT Code: BNSCCAN33
Branch: 600 DE LA GALERIE WEST, MONTREAL, QUEBEC, H3B 2G6, CANADA
Branch Code: 0003
Branch Name: CHEMICAL COMPUTING GROUP INC.
Branch Account Number: 00034000

DELIVERY:
 All Software and Software Licenses have been delivered to Harpreet Singh.

Bank Details: CIBC
 Chemical Computing Group Inc.

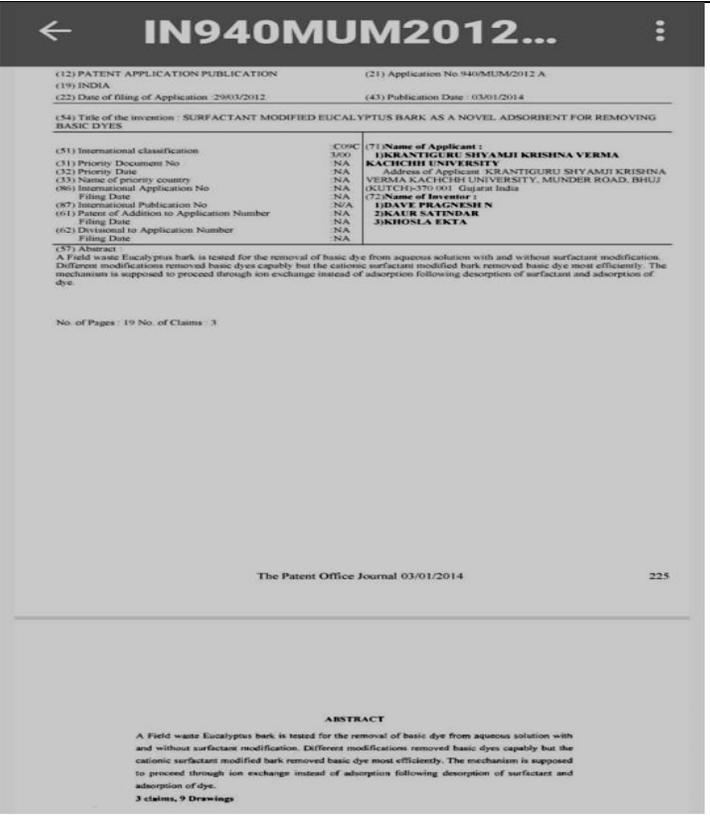
1010 Sherbrooke Street West, Suite 100, Montreal, Quebec, Canada H3B 2H7
 Tel: +1 (514) 273-1000 Fax: +1 (514) 273-1000 Web: www.chemcomp.ca

3,000.00 / 3,000.00 = 100%
 3,200.00 / 3,200.00 = 100%
 6,200.00 / 6,200.00 = 100%
 Total 6,200.00 / 6,200.00 = 100%
 Total 6,200.00 / 6,200.00 = 100%

*Verified
 Madhu Maha Vijayaraja
 2017/11*

Scanned by CamScanner

<p>Biofuel</p>	<p>Biofuel has been produced from algae and plants from Euphorbiaceae family under UGC-Major Research Project.</p>	 <p>रिसर्च यूजीसी के मेजर रिसर्च प्रोजेक्ट के तहत काम कर रही हैं</p> <h3>एचएमवी की डॉ. अंजना ने काई से बनाया बायोफ्यूल</h3> <p>यदना इक्षता जालंधर</p> <p>एचएमवी का बाँटनी विभाग पेट्रोल का विकल्प ढूँढ रहा है। विभाग की डॉ. अंजना यूजीसी के मेजर रिसर्च प्रोजेक्ट के तहत काई से बायोफ्यूल बनाने पर काम कर रही हैं। डॉ. अंजना कहती हैं कि फिलहाल पहले चरण में हम काई से 2 एमएल बायोफ्यूल निकाल पाए हैं।</p> <p>डॉ. अंजना कहती हैं कि काई को अगर काई को नाइट्रेट डिफिशिएंसी दें तो उसके सेल अपने भीतर ऑक्सीजन इकट्ठा करना शुरू कर देते हैं। एलजी से बायोफ्यूल उनके मेन प्रोजेक्ट का एक्सटेंशन है। 2011 में यूजीसी से मिले इस प्रोजेक्ट के तहत उन्होंने जालंधर के आसपास कई पौधे ढूँढ़े जिन्हें पानी या खाद देने की जरूरत नहीं है। खुद ब खुद उग आने वाले पौधों में से दो पौधे ऐसे हैं, जिसमें बायोफ्यूल निकलता। यह थे छोटी दूधी और यूफोर्बिया कोटिनीफोलिया। यूफोर्बिया कोटिनीफोलिया में सबसे ज्यादा बायोफ्यूल की संभावना दिखी। हमने जब उसे लेब में टेस्ट किया तो एक किलो यूफोर्बिया कोटिनीफोलिया में 15 एमएल बायोफ्यूल प्रोड्यूस किया गया। बाजौल और अन्य यूरोपियन देशों में तो बायोफ्यूल से गाड़ियां भी चल रही हैं। यूफोर्बिया कोटिनीफोलिया पर रिसर्च करने से पता चला है कि उसके ऑयल व जिटरफंड यानी रलजोत पौधे से निकलने वाले बायोफ्यूल में कई समानताएं भी मिली हैं।</p> <p>तो रलजोत को जगह नए प्लॉट को क्यों ढूँढ़ा गया? इस पर डॉ. अंजना कहती हैं कि वह राजस्थान का पौधा है, उसी वातावरण में फलता है। हमें पंजाब के मौसम के हिसाब से बिना खाद, बिना पानी में फलने फूलने वाला पौधा चाहिए था। मिमिस्त डॉ. अजय सरिन ने कहा कि आने वाला भविष्य बायोफ्यूल का ही है।</p>
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<p>Faculty from Chemistry Department has been granted patent</p>	<p>“Surfactant Modified Eucalyptus Bark as a Novel Adsorbent for Removing Basic Dyes”</p>	 <p>The screenshot shows a patent document with the following details:</p> <ul style="list-style-type: none"> (12) PATENT APPLICATION PUBLICATION (21) Application No. 940MUM2012 A (19) INDIA (43) Publication Date : 03/01/2014 (22) Date of filing of Application : 29/03/2012 (44) Publication Date : 03/01/2014 (54) Title of the invention : SURFACTANT MODIFIED EUCALYPTUS BARK AS A NOVEL ADSORBENT FOR REMOVING BASIC DYES (51) International classification : C09C 3/00 (71) Name of Applicant : KRANTIGURU SHYAMJI KRISHNA VERMA (72) Name of Inventor : BHAYE PRAGNESH N, ZIKAR SATINDAR, JIKHOLA EKTA (57) Abstract : A Field waste Eucalyptus bark is tested for the removal of basic dye from aqueous solution with and without surfactant modification. Different modifications removed basic dyes capably but the cationic surfactant modified bark removed basic dye most efficiently. The mechanism is supposed to proceed through ion exchange instead of adsorption following desorption of surfactant and adsorption of dye.
<p>Workshop on Entrepreneurship http://hmvnews.blogspot.com/2017/08/workshop-on-entrepreneurship-concluded.html</p>	<p>Workshop was organized in collaboration with Makeintern CARPE DIEM IIM, Calcutta. In this workshop, 111 students from PG Deptt. of Commerce, B.Voc. (Banking & Financial Services) and B. Design participated. 7</p>	

students were selected who to represent HMV in CARPE DIEM Calcutta Championship



Professional Development Course organized at HMV

<http://hmvnews.blogspot.com/2017/09/professional-development-course.html>

The Career Counselling Cell of Hans Raj Mahila Maha Vidyalaya organized Professional Development course Level I for the students. The resource person of the course was Mr. Rajneesh Dev Sehajpal, Professional Trainer from Kalptaru Professional and Educational Institute, Gurgaon. During the course, Mr. Rajneesh Dev Sehajpal told the students about Personal Grooming, Time Management, Stress



	<p>Management, Relationship Management, Behavioural Study and Communication Skills.</p>	
<p>e-TREE (The Repository of Ecological Explorations), http://www.hmvelms.org/egarden/index.html</p>	<p>It is a unique venture of the centre has made information regarding flora and fauna of the college accessible on smart phones of all the students</p>	
<p>HMV News Mobile App launched by Vice President, DAVCMC Dr. S.S. Khanna http://hmvnews.blogspot.com/2016/09/hmv-news-mobile-app-launched-by-vice.html</p>	<p>Taking a step forward in the direction of globalization, Hans Raj Mahila Maha Vidyalaya launched its own Mobile App, HMV News Mobile App.</p>	

