REG No. : D7635654-AFIN PRINT ISSN No. : 2348-7704 NLM ID : 101711199

IOURNAL OF HOSPITAL The Official Publication of Health Education Bureau.



The Journal

Journal of Hospital Pharmacy (JOHP), Print ISSN No.-: 2348-7704 is peer-reviewed journal published on behalf of the Health Education Bureau. The Journal published articles on the subject of Hospital & Clinical Pharmacy & pharmacology The Journal is published in Jan, April, July, Oct.

Information for Authors

There are page charges for JOHP submissions, Please check.

http://journalofhospitalpharmacy.in for details. All manuscripts must be submitted online at http://journalofhospitalpharmacy.in

Subscription Information

A subscription to comprises 4 issues. Prices include postage. Annual Subscription Rate-INR 2970.00 for India (For Print) INR 1900.00 for India (For Online)

For mode of payment and other details, please visit http://journalofhospitalpharmacy.in

Claims for missing issues will be serviced at no charge if received within 60 days of the cover date for domestic subscribers, and 3 months for subscribers outside India. Duplicate copies cannot be sent to replace issue not delivered because of failure to notify publisher of change of address.

The journal's published issue will be distributed by Health Education Bureau Copies are sent to subscribers directly if a copy is received for personal use as a member of the association/ society, one cannot resale or give-away the copy for commercial or library use.

The copies of the journal to the members of the association are sent by ordinary post. The editorial board, association or publisher will not be ordinary for non receipt of copies. If any member/subscriber wishes to the copies the registered post or courier, kindly contract the publisher's office. If a copy returns due to incomplete, incorrect or changed address of a member/subscriber on two consecutive occasions, the names of such members will be deleted from the mailing list of the journal. Providing complete, correct and upto-date address is the responsibility of the member/subscriber.

Non members : All change of address information to be sent to editorjohp@gmail.com (i.e not only for nonmembers.)

Advertising Policies

The Journal accepts display and classified advertising. Frequency discounts and special positions are available. Inquiries about advertising should be sent to PEN, editorjohp@gmail.com

The Journal reserves the right to reject any advertisement considered unsuitable according to the set policies of the journal.

The appearance of advertising or product information in the various sections in the journal does not constitute an endorsement or approval by the journal and/or its publisher or the quality or value of the said product or of claims for it by its manufacture.

Copyright

The entire contents of the Journal of Hospital Pharmacy are protected under Indian and International copyrights. The journal, however, grants to all users a free, irrevocable, worldwide, perpetual right of access to and a license to copy, use, distribute, perform and display digital medium for any reasonable noncommercial purpose, subject to proper attribution of authorship and ownership of the rights. The journal also grants the right to make small numbers of printed copies for their personal non-commercial use.

Permissions

For information on how to request permissions to reproduce articles/Information from this journal, please visit:

http://journalofhospitalpharmacy.in

Disclaimer

The information and opinions presented in the journal reflect the views of the authors and not of the Journal or its Editorial Board or the Publisher. Publication does not constitute endorsement by the Journal. Neither the Health Education Bureau, nor its publishers nor anyone else involved In creating, producing therein, assumes any liability or responsibility for the accuracy, completeness, or usefulness of any information provided in the Journal of Hospital Pharmacy nor shall they be liable for any direct, indirect, incidental, special, consequential or punitive damages arising out of the use of the Journal of Hospital Pharmacy. The Journal of Hospital Pharmacy, nor its publishers, nor any Journal of Hospital Pharmacy represents or warrants that the information contained herein is in every respect accurate or complete, and they are not responsible for any errors or omissions or for the results obtained from the use of such material. Readers are encouraged to confirm the information contained herein with other sources.

Addresses

Editorial Office Health Education Bureau, 55/20, Rajat Path, Mansarovar, Jaipur, Rajasthan - 302020 Mail Us at: editorjohp@gmail.com Call Us at: Land Line: 0141-2782681

Mobile: 91-9636348191, 91-7976447983 **PUBLISHED BY**

HEALTH EDUCATION BUREAU, 55/20, RAJAT PATH, MANSAROVAR JAIPUR, RAJASTHAN, INDIA PIN-302020 TEL-0141-2782681, MOB.-09636348191

JOURNAL OF HOSPITAL PHARMACY

IEIDIITOIRILAIL IBOAJRID MIEMIBIEIRS

Dr. Alok Khunteta

Ex. Registrar, Rajasthan Pharmacy Council, Jaipur **Prof. Kenneth Alexander** Professor, College of Pharmacy University of Toledo, Ohio, United States **Prof. Ramesh K Goyal** Ex. Vice Chancellor, Delhi Pharmaceutical Sciences and Research University, Delhi, India **Prof Abdel Omri** Professor, Laurentian University, Ontario, Canada Prof. Abdulrazak Abyad Chairman, Medical Education and Training Department Prince Mohammed Bin Abdulaziz Hospital Riyadh, Saudi Arabia Dr Amiya Bhaumik Vice Chancellor, Lincoln University Col. Kuala Lumpur, Malaysia Prof. R.S. Gaud Director, SVKM's NMIMS, Shirpur Campus Dhule, Maharashtra, India

Prof. Sunil Jambhekar Professor, School of Pharmacy, Lake Erie College of Osteopathic Medicine, Bradenton, Kerala, India FL, Pennsylvania, United States Dr. S. S. Mudgal Deputy RegistrarRajasthan University of Health Sciences, Jaipur, Rajasthan, India Avijit Majumdar, Ph.D. Research Scientist III, Alexion Pharmaceuticals, Inc. Boston, Massachusetts, United States Dr. Sujata Bhatia Assistant Director of Undergraduate Studies Biomedical Engineering at Harvard University Oxford Street Cambridge, Massachusetts, United States **Prof. Mirza Baig** Professor, Dubai Pharmacy College Sharjah, United Arab Emirates Dr. Lalit Kanodia Director, KPMG International Limited, Gurgaon Haryana, India Prof. Raffaella Sorrentino Professor, University of Naples Federico Naples Area, Italy

IEXIECUITIVIE IEIDIITOIR

PROF. (DR.) M. MAKHIJA

editorjohp@gmail.com

Disclaimer: *The executive editoer does not claim any responsibility,* liability for statements made and opinions expressed by authors

EDITORIAL OFFICE

JOURNAL OF HOSPITAL PHARMACY HEALTH EDUCATION BUREAU, 55/20, RAJAT PATH, MANSAROVAR, JAIPUR, RAJASTHAN, INDIA PIN- 302020 TEL-0141-2782681, MOB: 9636348191, 07976447983



HEB



INDEX

ARTICLES

Herbal interventions for enhancing female fertility with a focus on margifer indice bark: A review Aditya Sagar*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Km. Shikha and Rashmi1-51.Areview and analysis of the steps involved in creating and conducting the assessment study for the anti- aging herbal vanishing cream Rashmi*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Aditya Sagar6-102.vanishing cream Rashmi*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Aditya Sagar6-103.shampoo, conditioner, and oral formulations Sadhana*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Km. Shikha11-214.of Rauvolfia serpentina (L.) Mr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar Yadav22-485.of Annona squamosa Sahil Yadav and Satkar Prasad49-546.A review: Hepatoprotective & Other Pharmacological Potential of Annona squamosa Sahil Yadav and Satkar Prasad55-587.an TES approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-1059.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.with a focus on Ocimum sanctura [Tulsi] leaves Gopal Tripathi*, Dr. Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110	Sr.no.	Paper title, author name	Page no.						
1.on mangifera indica bark: A review Aditya Sagar*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Km. Shikha and Rashmi1-5A review and analysis of the steps involved in creating and conducting the assessment study for the anti- aging herbal6-102.vanishing cream Rashmi*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Aditya Sagar6-103.A comprehensive review on exploring Bhringraj (<i>Eclipta</i> prostrata) in herbal cares and explores the role of antidandruff shampoo, conditioner, and oral formulations Sadhana*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Km. Shikha11-214.A review article: Phytochemical and Pharmacological potential of Rauwolfia serpentina (L.) Mr. Mayank Kumar ', Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar Yadav22-485.A review: Hepatoprotective & Other Pharmacological Potential of Annona squamosa Sahil Yadav and Satkar Prasad49-546.A review: Pharmacological potential of leaf of Triumfetta rhomboidea Riya Singh and Satkar Prasad55-587.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on Study of herbal Extract for immunity booster with a focus on Ocimum sanctur [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		Herbal interventions for enhancing female fertility with a focus							
1.Aditya Sagar*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Km. Shikha and Rashmi1-5A review and analysis of the steps involved in creating and conducting the assessment study for the anti- aging herbal6-102.Vanishing cream Rashmi*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Aditya Sagar6-103.Shampoo, conditioner, and oral formulations Sadhana*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Km. Shikha11-214.A comprehensive review on exploring Bhringraj (<i>Eclipta</i> prostrata) in herbal cares and explores the role of antidandruff shampoo, conditioner, and oral formulations Sadhana*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Km. Shikha11-214.A review article: Phytochemical and Pharmacological potential of <i>Rauwolfia serpentina</i> (L.) Mr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar Yadav22-485.of <i>Annona squamosa</i> Sahil Yadav and Satkar Prasad49-546.A review: Hepatoprotective & Other Pharmacological Potential of <i>Annona squamosa</i> Sahily adav and Satkar Prasad55-587.an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tubis] leaves Gopal Tripathi*, Dr. Sailesh Kumar Ghatuary, <td>1</td> <td colspan="8">on <i>mangifera indica</i> bark: A review</td>	1	on <i>mangifera indica</i> bark: A review							
Km. Shikha and RashmiA review and analysis of the steps involved in creating and conducting the assessment study for the anti- aging herbalvanishing cream Rashmi*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Aditya Sagar6-10A comprehensive review on exploring Bhringraj (<i>Eclipta</i> 	1.	Aditya Sagar*, Sailesh Kumar Ghatuary, Surendra Ahirwar,	1-3						
A review and analysis of the steps involved in creating and conducting the assessment study for the anti- aging herbal vanishing cream Rashmi*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Aditya Sagar6-103.A comprehensive review on exploring Bhringraj (<i>Eclipta</i> prostrata) in herbal cares and explores the role of antidandruff shampoo, conditioner, and oral formulations Sadhana*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Km. Shikha11-214.A review article: Phytochemical and Pharmacological potential of <i>Rauwolfia serpentina</i> (L.) Mr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar Yadav22-485.A review: Hepatoprotective & Other Pharmacological Potential of Annona squamosa Sahil Yadav and Satkar Prasad49-546.A review: Pharmacological potential of leaf of <i>Triumfetta</i> rhomboidea Riya Singh and Satkar Prasad55-587.an HTS approach Marnta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		Km. Shikha and Rashmi							
conducting the assessment study for the anti- aging herbal vanishing cream Rashmi*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Aditya Sagar6-102.A comprehensive review on exploring Bhringraj (<i>Eclipta</i> prostrata) in herbal cares and explores the role of antidandruff shampoo, conditioner, and oral formulations Sadhana*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Km. Shikha11-213.Shampoo, conditioner, and oral formulations Sadhana*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Km. Shikha22-484.A review article: Phytochemical and Pharmacological potential of <i>Rauwolfia serpentina</i> (L.) Mr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar Yadav22-485.of <i>Annona squamosa</i> Sahil Yadav and Satkar Prasad49-546. <i>A</i> review: Pharmacological potential of <i>Annona squamosa</i> Sahil Yadav and Satkar Prasad55-587.a research: Screening for novel ligands Dopamine D1 receptor – an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelimitics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.with a focus on <i>Ocimum sancturu</i> [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		A review and analysis of the steps involved in creating and							
2.vanishing cream Rashmi*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Aditya Sagar6-10A comprehensive review on exploring Bhringraj (Eclipta prostrata) in herbal cares and explores the role of antidandruff shampoo, conditioner, and oral formulations Sadhana*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Km. Shikha11-214.A review article: Phytochemical and Pharmacological potential of Rauwolfia serpentina (L.) Mr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Br. Vimal Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar *, Mr. Saran Singh, Dr. Rupali Sharma and Dr. Vimal Kumar *, Mr. Saran Singh, Dr. Rupali Sharma and Dr. Vimal Kumar *, Mr. Saran Singh, Dr. Rupali Sharma and Dr. Vimal Kumar *, Mr. Saran Singh, Dr. Rupali Sharma and Dr. Vimal Kumar *, Mr. Saran Singh, Dr. Rupali Sharma and Dr. Vimal Kumar *, Mr. Saran Singh, Dr. Rupali Sharma and Dr. Vimal Kumar *, Mr. Saran Singh, Dr. Rupali Sharma Sahil Yadav and Satkar Prasad49-545.A review: Pharmacological potential of leaf of Triumfetta rhomboidea Riya Singh and Satkar Prasad55-587.an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.Areview on study of herbal extract for immunit		conducting the assessment study for the anti- aging herbal							
Rashmi*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Aditya Sagar11-21A comprehensive review on exploring Bhringraj (Eclipta prostrata) in herbal cares and explores the role of antidandruff shampoo, conditioner, and oral formulations Sadhana*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Km. Shikha11-214.A review article: Phytochemical and Pharmacological potential of Rauwolfia serpentina (L.) Mr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar Yadav22-485.A review: Hepatoprotective & Other Pharmacological Potential of Annona squamosa Sahil Yadav and Satkar Prasad49-546.rhomboidea Riya Singh and Satkar Prasad55-587.A research: Screening for novel ligands Dopamine D1 receptor – an HTS approach Matta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelimintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.With a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr. Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110	2.	vanishing cream	6-10						
Deepansha and Aditya SagarA comprehensive review on exploring Bhringraj (Eclipta prostrata) in herbal cares and explores the role of antidandruff shampoo, conditioner, and oral formulations11-213.shampoo, conditioner, and oral formulations Sadhana*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Km. Shikha11-214.A review article: Phytochemical and Pharmacological potential of Rauwolfia serpentina (L.) Mr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar Yadav22-485.A review: Hepatoprotective & Other Pharmacological Potential of Annona squamosa Sahil Yadav and Satkar Prasad49-546.A review: Pharmacological potential of leaf of Triumfetta rhomboidea Riya Singh and Satkar Prasad55-587.an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.Areview on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-1059.A Review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		Rashmi*, Sailesh Kumar Ghatuary, Surendra Ahirwar,							
A comprehensive review on exploring Bhringraj (<i>Eclipta</i> prostrata) in herbal cares and explores the role of antidandruff3.shampoo, conditioner, and oral formulations Sadhana*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Km. Shikha11-214.A review article: Phytochemical and Pharmacological potential of <i>Rauwolfia serpentina</i> (L.) Mr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar Yadav22-485.of <i>Annona squamosa</i> Sahil Yadav and Satkar Prasad49-546.A review: Hepatoprotective & Other Pharmacological Potential of <i>Annona squamosa</i> Sahil Yadav and Satkar Prasad55-587.A review: Pharmacological potential of leaf of <i>Triumfetta</i> rhomboidea Riya Singh and Satkar Prasad55-747.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr. Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		Deepansha and Aditya Sagar							
prostrata) in herbal cares and explores the role of antidandruff shampoo, conditioner, and oral formulations11-213.shampoo, conditioner, and oral formulations Sadhana*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Km. Shikha11-214.A review article: Phytochemical and Pharmacological potential of <i>Rauvolfia serpentina</i> (L.) Mr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar Yadav22-485.of <i>Annona squamosa</i> Sahil Yadav and Satkar Prasad49-546.A review: Hepatoprotective & Other Pharmacological Potential Sahil Yadav and Satkar Prasad49-546.rhomboidea Riya Singh and Satkar Prasad55-587.A review: Pharmacological potential of leaf of <i>Triumfetta</i> rhomboidea Riya Singh and Satkar Prasad55-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelimitics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		A comprehensive review on exploring Bhringraj (<i>Eclipta</i>							
3.shampoo, conditioner, and oral formulations11-21Sadhana*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Km. Shikha11-214.A review article: Phytochemical and Pharmacological potential of <i>Rauvolfia serpentina</i> (L.) Mr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar Yadav22-485.of <i>Annona squamosa</i> Sahil Yadav and Satkar Prasad49-546.A review: Hepatoprotective & Other Pharmacological Potential of <i>Annona squamosa</i> Sahil Yadav and Satkar Prasad55-587.A review: Pharmacological potential of leaf of <i>Triumfetta</i> rhomboidea Riya Singh and Satkar Prasad55-587.A review: Pharmacological potential of leaf of <i>Triumfetta</i> rhomboidea Manta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelimitics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on <i>Ocimum sanctum</i> [Tulsi] leaves Gopal Tripathi*, Dr. Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		prostrata) in herbal cares and explores the role of antidandruff							
Sadhana*, Sailesh Kumar Ghatuary, Surendra Ahirwar, Deepansha and Km. Shikha22-484.A review article: Phytochemical and Pharmacological potential of Rauwolfia serpentina (L.) Mr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar Yadav22-485.A review: Hepatoprotective & Other Pharmacological Potential of Annona squamosa Sahil Yadav and Satkar Prasad49-546.A review: Pharmacological potential of leaf of Triumfetta rhomboidea Riya Singh and Satkar Prasad55-587.A research: Screening for novel ligands Dopamine D1 receptor – an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaccutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.With a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr. Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110	3.	shampoo, conditioner, and oral formulations	11-21						
Deepansha and Km. Shikha22-484.A review article: Phytochemical and Pharmacological potential of Rauwolfia serpentina (L.) Mr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar Yadav22-485.A review: Hepatoprotective & Other Pharmacological Potential of Annona squamosa Sahil Yadav and Satkar Prasad49-546.A review: Pharmacological potential of leaf of Triumfetta rhomboidea Riya Singh and Satkar Prasad55-587.A research: Screening for novel ligands Dopamine D1 receptor – an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		Sadhana*, Sailesh Kumar Ghatuary, Surendra Ahirwar,							
A review article: Phytochemical and Pharmacological potential of Rauwolfia serpentina (L.) Mr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar Yadav22-48 4. A review: Hepatoprotective & Other Pharmacological Potential of Annona squamosa Sahil Yadav and Satkar Prasad49-54 5. A review: Pharmacological potential of Laf of Triumfetta rhomboidea Riya Singh and Satkar Prasad49-54 6. A research: Screening for novel ligands Dopamine D1 receptor – an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya55-58 8. A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-93 9. A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-105 10. With a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		Deepansha and Km. Shikha							
4.of Rauwolfia serpentina (L.) Mr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar Yadav22-485.A review: Hepatoprotective & Other Pharmacological Potential of Annona squamosa Sahil Yadav and Satkar Prasad49-546.A review: Pharmacological potential of leaf of Triumfetta rhomboidea Riya Singh and Satkar Prasad55-587.A research: Screening for novel ligands Dopamine D1 receptor – an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		A review article: Phytochemical and Pharmacological potential							
InMr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and Dr. Vimal Kumar YadavIndextorA review: Hepatoprotective & Other Pharmacological Potential of Annona squamosa Sahil Yadav and Satkar Prasad49-54A review: Pharmacological potential of leaf of Triumfetta rhomboidea Riya Singh and Satkar Prasad55-58A research: Screening for novel ligands Dopamine D1 receptor – an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.With a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110	4.	of Rauwolfia serpentina (L.)	22-48						
Dr. Vimal Kumar Yadav4A review: Hepatoprotective & Other Pharmacological Potential of Annona squamosa49-545.of Annona squamosa49-54Sahil Yadav and Satkar Prasad49-546.A review: Pharmacological potential of leaf of Triumfetta rhomboidea55-58Riya Singh and Satkar Prasad55-587.A research: Screening for novel ligands Dopamine D1 receptor – an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		Mr. Mayank Kumar *, Mr. Karan Singh, Dr. Rupali Sharma and	10						
A review: Hepatoprotective & Other Pharmacological Potential5.of Annona squamosa49-54Sahil Yadav and Satkar Prasad49-546.A review: Pharmacological potential of leaf of Triumfetta rhomboidea Riya Singh and Satkar Prasad55-587.A research: Screening for novel ligands Dopamine D1 receptor – an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		Dr. Vimal Kumar Yadav							
5.of Annona squamosa Sahil Yadav and Satkar Prasad49-54Sahil Yadav and Satkar PrasadA review: Pharmacological potential of leaf of Triumfetta rhomboidea Riya Singh and Satkar Prasad55-586.A research: Screening for novel ligands Dopamine D1 receptor – an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-747.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		A review: Hepatoprotective & Other Pharmacological Potential							
Sahil Yadav and Satkar PrasadA review: Pharmacological potential of leaf of Triumfetta rhomboidea Riya Singh and Satkar Prasad55-586.A review: Pharmacological potential of leaf of Triumfetta rhomboidea Riya Singh and Satkar Prasad55-587.A research: Screening for novel ligands Dopamine D1 receptor – an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110	5.	of Annona squamosa	49-54						
A review: Pharmacological potential of leaf of Triumfetta6.rhomboidea55-58Riya Singh and Satkar Prasad55-587.A research: Screening for novel ligands Dopamine D1 receptor – an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		Sahil Yadav and Satkar Prasad							
6.rhomboidea55-58Riya Singh and Satkar Prasad55-587.A research: Screening for novel ligands Dopamine D1 receptor – an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.Á review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		A review: Pharmacological potential of leaf of <i>Triumfetta</i>							
Riya Singh and Satkar PrasadA research: Screening for novel ligands Dopamine D1 receptor – an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-747. A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939. A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510. A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110	6.	rhomboidea	55-58						
A research: Screening for novel ligands Dopamine D1 receptor – an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		Riya Singh and Satkar Prasad							
7.an HTS approach Mamta Dubey*, Deeksha Shakya and Himanshu Shakya59-748.A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		A research: Screening for novel ligands Dopamine D1 receptor –							
Mamta Dubey , Deeksha Shakya and Himanshu ShakyaA review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110	7.	an HTS approach	59-74						
A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		Mamta Dubey', Deeksha Shakya and Himanshu Shakya							
8.pharmaceutical field Mr. Umakant Sharma*, Dr. Sailesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha75-939.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		A review: Hydrogel as drug delivery system: a new phase in							
Mr. Umakant Sharma*, Dr. Sallesh Kumar Ghatuary, Mr. Susheel Kumar and Ms. Deepansha94-1059.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110	8.	pharmaceutical field	75-93						
Mr. Susheel Rumar and Ms. Deepansna94-1059.A Review on Anthelmintics and Heterocyclic moieties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		Mr. Umakant Sharma [*] , Dr. Sailesh Kumar Ghatuary,							
9.A Review on Anthelmintics and Heterocyclic moleties Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare94-10510.A review on study of herbal extract for immunity booster with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		Mr. Susheel Kumar and Ms. Deepansha							
Image: The Reena Singh*, Yogesh Murti and Mrs. Snehlata DohareA review on study of herbal extract for immunity boosterwith a focus on Ocimum sanctum [Tulsi] leavesGopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha	9.	A Review on Anthelmintics and Heterocyclic moleties	94-105						
A review on study of herbal extract for immunity boosterwith a focus on Ocimum sanctum [Tulsi] leavesGopal Tripathi*, Dr.Sailesh Kumar Ghatuary,Surendra Ahirwar, and Km. Shikha		Reena Singh*, Yogesh Murti and Mrs. Snehlata Dohare							
10.with a focus on Ocimum sanctum [Tulsi] leaves Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha106-110		A review on study of herbal extract for immunity booster							
Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary, Surendra Ahirwar, and Km. Shikha	10	with a focus on Ocimum sanctum [Tulsi] leaves	106-110						
Surendra Ahirwar, and Km. Shikha	10.	Gopal Tripathi*, Dr.Sailesh Kumar Ghatuary,							
		Surendra Ahirwar, and Km. Shikha							





Journal of Hospital Pharmacy

An Official Publication of Bureau for Health & Education Status Upliftment (Constitutionally Entitled As Health-Education, Bureau)



Herbal interventions for enhancing female fertility with a focus on *mangifera indica* bark: A review

Aditya Sagar^{*1}, Sailesh Kumar Ghatuary², Surendra Ahirwar³, Kumari Shikha⁴and Rashmi¹

Student^{*1}, Principal Cum Director², Assistant Professor ⁴, Shri R.L.T. Institute of harmaceutical Science and Technology Ekdil Etawah, Uttar Pradesh, 206126, India. Assistant Professor³, SRLT Institute of Pharmacy and Management, Ekdil, Etawah, Uttar Pradesh,

206126, India.

Email Id: serviceheb@gmail.com

Abstract:

Infertility presents significant difficulties for women and their families, and female fertility is a crucial aspect of human reproductive health. Herbal interventions are gaining popularity as viable treatments for infertility, although there are many contributing factors. This review paper investigates the efficacy of herbal medicines in enhancing female fertility, focusing specifically on the bark of the *Mangifera indica* (mango). We examined the scientific research, conventional wisdom, and action mechanisms about the usage of bark from the *Mangifera Indica* plant as a natural fertility booster. The review emphasizes the possible advantages, safety concerns, and opportunities for further study of herbal remedies for female reproductive health. *Mangifera indica* L. plays a significant role in traditional medical practices. Aqueous *Mangifera indica* bark extract (MIBE) is taken orally. They show the changes inhormonal and estrous cycling patterns in female Rats. MIBE also shows some positive effects regarding the male's hormonal profile and sperm quality. The MIBE significantly raised levels of Luteinizing hormone (LH), Testosterone, and Follicle follicle-stimulating hormone (FSH), according to the results of a hormonal study. This might be due to the extract's capacity to raiselevels of the hormones FSH and LH, which oversee spermatogenesis and estrous cycle pattern. This implies that Mangifera indica stem bark may be used in the creation of female reproductive medications.

Keywords: Mangifera indica bark; extract; Infertility; Estrous cycle; Herbal.

Access this Article Online
Website:http://www.journalofhospitalpharmacy.in
Received on 27/06/2024
Accepted on 29/06/2024 © HEB All rights
reserved



HEB

Journal of Hospital Pharmacy An Official Publication of Bureau for Health & Education Status Upliftment



A review and analysis of the steps involved in creating and conducting the assessment study for the anti- aging herbal vanishing cream

(Constitutionally Entitled As Health-Education, Bureau)

Rashmi^{*1}, Sailesh Kumar Ghatuary², Surendra Ahirwar³ Deepansha³, and Aditya Sagar¹

Student^{*1}, Principal Cum Director², Shri R.L.T. Institute of Pharmaceutical Science and Technology Ekdil Etawah, Uttar Pradesh, 206126, India.

Assistant Professor³, SRLT Institute of Pharmacy and Management, Ekdil, Etawah, Uttar Pradesh, 206126, India.

Email Id: serviceheb@gmail.com

Abstract:

The current review effort set out to create and assess a herbal vanishing cream (HVC). Comparing herbal cream to synthetic cream, there are various advantages. The majority of face creams on the market are made from synthetic medications and provide fairness to the face, but they also have several negative side effects, like irritation or allergic responses. Herbal cream provides skin a fairer appearance and has no negative side effects. Based on the anti-fungal, anti- microbial, anti-inflammatory, skin-soothing, and anti-aging properties of aloe vera, turmeric, and nutmeg, a polyherbal oil-in-water disappearing emulsion cream was created. Using ethanol as a solvent, the maceration process was used to extract all of the herbs. The prepared vanishing cream was assessed using several metrics. Stability tests on the manufactured vanishing cream revealed it was hard and stable.

Keywords: Herbal, Vanishing Cream, Polyherbal, Anti-aging.





HEB

Journal of Hospital Pharmacy An Official Publication of Bureau for Health & Education Status Upliftment (Constitutionally Entitled As Health-Education, Bureau)



A comprehensive review on exploring Bhringraj (*Eclipta prostrata*) in herbal cares and explores the role of antidandruff shampoo, conditioner, and oral formulations

Sadhana*¹ Sailesh Kumar Ghatuary² Surendra Ahirwar³, Deepansha³ and Km. Shikha⁴

Student^{*1}, Principal Cum Director², Assistant Professor⁴, Shri R.L.T. Institute of Pharmaceutical Science and Technology Ekdil Etawah, Uttar Pradesh, 206126, India.

Assistant Professor³, SRLT Institute of Pharmacy and Management, Ekdil, Etawah, Uttar Pradesh, 206126, India.

Email Id: serviceheb@gmail.com

Abstract:

The search for herbal and natural hair care solutions has gotten more intense recently, particularly when it comes to anti-dandruff products. Deeply ingrained in ancient Ayurveda medicine for its numerous advantages to hair and scalp health, Bhringraj (*Eclipta prostrata*) has emerged as a promising choice among the wide range of botanical therapies. With an emphasis on antidandruff shampoos, conditioners, and oral dosage forms, this thorough literature review explores the scientific investigation of Bhringraj's potential in the creation of herbal hair care formulations. This provides a basis for understanding its possible efficacy and includes its anti-inflammatory, antifungal, and antibacterial properties on the scalp. The aim is to evaluate the effectiveness of these formulations and discern potential advantages over conventional treatments. Mechanistic insights into Bhringraj's action on dandruff, scalp health, and hair growth are explored, elucidating the molecular underpinnings of its therapeutic effects. Since safety is of the utmost importance, this review aims to evaluate Bhringraj's safety profile in herbal hair care products. Examining possible interactions and adverse effects helps determine whether Bhringraj is suitable for general use. In summary, given the growing popularity of natural hair care products, this literature review summarises what is known about Bhringraj and provides useful information for consumers, researchers, and formulators looking for safe and effective herbal antidandruff remedies.

Keywords: Herbal Extracts, Anti Dandruff, Shikakai, Neem, Bhringraj

Access this Article Online
Website:http://www.journalofhospitalpharmacy.in
Received on 27/06/2024
Accepted on 29/06/2024 © HEB All rights
reserved



HEB

Journal of Hospital Pharmacy An Official Publication of Bureau for Health & Education Status Upliftment (Constitutionally Entitled As Health-Education, Bureau)



A review: Phytochemical and Pharmacological potential of Rauwolfia serpentina (L.)

Mr. Mayank Kumar^{*1, 2}, *Mr. Karan Singh*³, *Dr. Rupali Sharma*⁴ and *Dr. Vimal Kumar Yadav*⁵

Research Scholar^{*1}, Associate Professor⁴, Amity Institute of Pharmacy, Amity University Haryana, Panchgaon (122413) Gurugram, Haryana, India.

Associate Professor ^{*2}, Assistant Professor³, Shri RLT Institute of Pharmaceutical Science and Technology, Ekdil (206126) Etawah, Uttar Pradesh, India.

Assistant Professor⁵, Dr. Rammanohar Lohia Avadh University, Ayodhya, (224001), Uttar Pradesh, India

Corresponding author:

Name: Mr. Mayank Kumar*, Research Scholar (PhD*), Amity Institute of Pharmacy, Amity University Haryana, Panchgaon (122413) Gurugram, Haryana, India.

Associate Professor^{*2}, Shri RLT Institute of Pharmaceutical Science and Technology, Ekdil (206126) Etawah, Uttar Pradesh, India.

Email Id: serviceheb@gmail.com

Abstract: Rauwolfia bush, local to the orient from India to Indonesia, has been profoundly supported for the treatment of snakebite, bug stings, hypertension, sleep deprivation, mental issues, epilepsy, gastrointestinal problems, fever, and schizophrenia from the pre-vedic period in Ayurvedic arrangement of Indian medication. Rauwolfia having a place with the family Apocynaceae merits a particular, place in the pharmacopeia of present day medication. The foundations of Sarpagandha announced numerous significant dynamic standards extricated as alkaloids, flavonoids, glycosides, phlobatannins, phenols, starches, saponins sterols, tannins, and terpenes. In previous years it was announced as the best phytochemical, reserpine, which has been utilized in the treatment of systolic hypertension and has a few drug applications. This survey addresses data old to current methodology about the dynamic rule as well as therapeutic potential with underline organic instrument of *R*. *serpentina*. The current survey manage the huge measure of studies attempted in various parts of this plant in the space of plant's chemistry, and pharmacology and fundamentally analyzing its unfriendly after effects, toxicology gives an explored and archived strategy for the active ingredients.

Keywords: Indole alkaloids, Reserpine, Hypertension, Rauwolfia serpentina, Pharmacological activity, Sarpagandha





HEB

Journal of Hospital Pharmacy An Official Publication of Bureau for Health & Education Status Upliftment (Constitutionally Entitled As Health-Education, Bureau)



A review: Hepatoprotective & Other Pharmacological Potential of Annona squamosa

Sahil Yadav¹ and Satkar Prasad²

RKDF School of Pharmaceutical Science, Bhabha University, Bhopal, Madhya Pradesh, 462026, India.

Email Id: serviceheb@gmail.com

Abstract: Liver is the key organ of the body. It is the largest gland in the body and weighing between 1 and 2.3kg. It is situated in the upper part of the abdominal cavity. Occupying the greater part of the right hypochondriac region one part of the epigastria region and extending into the left hypochondriac region. Its upper and anterior surfaces are smooth and curved to fit the undersurface at the diaphragm. Liver injury is not a single entity; the lesion observed depends not only on the chemical agent involved but also on the period of exposure. After acute exposure one usually finds lipid accumulation in the hepatocytes, cellular necrosis, or hepatobiliary dysfunction, whereas cirrhotic or neoplastic changes are usually considered to be the result of chronic exposures.

Key words: Liver, chemical agent, Lipid, Accumulation, Cellular necrosis

Access this Article Onl	ine
Website:http://www.journalofhospitalpharmacy.in	Quick Response Code:
Received on 27/06/2024 Accepted on 29/06/2024 © HEB All rights reserved	



HEB

Journal of Hospital Pharmacy An Official Publication of Bureau for Health & Education Status Upliftment (Constitutionally Entitled As Health-Education, Bureau)



A review: Pharmacological potential of leaf of Triumfetta rhomboidea

Riya Singh¹ and Satkar Prasad²

RKDF School of Pharmaceutical Science, Bhabha University, Bhopal, Madhya Pradesh, 462026, India.

Email Id: serviceheb@gmail.com

Abstract: Plants have been one of the important sources of medicine even since the dawn of human civilization. Inspite of tremendous development in the field of allopathy during 20th century, plants still remain one of the major sources of drug in the modern as well as traditional system of medicine throughout the world. *Triumfetta rhomboidea* is commonly known as Burr bush, a popular Indian medicinal plant, has long been used commonly in Ayurvedic system of medicine. The plant has been found to possess diverse number of pharmacological activities. The present paper gives an account of updated information on its traditional uses, ethnobotany, phytochemistry and its pharmacological activities. The review reveals that wide range of phytochemical constituents have been isolated from the plant and it possesses important activities like Diuretic, analgesic, Anti-Inflammatory, anti-tumour, antioxidant, antiulcer and antimicrobial have also been reported. These reports are very encouraging and indicate that this plant has great potential to be developed as drug by pharmaceutical industries.

Keywords: Triumfetta rhomboidea, Pharmacological activities, Ethnobotany

Access this Article Onl	ine
Website:http://www.journalofhospitalpharmacy.in	Quick Response Code:
Received on 27/06/2024 Accepted on 29/06/2024 © HEB All rights reserved	



HEB

Journal of Hospital Pharmacy An Official Publication of Bureau for Health & Education Status Upliftment (Constitutionally Entitled As Health-Education, Bureau)



A research: Screening for novel ligands Dopamine D1 receptor –an HTS approach

Mamta Dubey^{*}, Deeksha Shakya and Himanshu Shakya

Assistant Professor, Shri RLT Institute of Pharmaceutical Sciences & Technology, Ekdil – Etawah, 206126, Uttar Pradesh, India.

Email Id: serviceheb@gmail.com

Abstract: Due to absence of brain penetrable selective ligands (Agonist and antagonist) of Dopamine receptor D, its challenge to elucidate the physiological role of this receptor and also in different CNS pathologies such as ADHD, Parkinson's, Major depression Schizophrenia and bipolar disorder. High-throughput screening (HTS) campaigns is a starting point for many drug discovery programs. With the advent of HTS, the pharmaceutical industry is anticipating a rush of new potential drugs mined from the millions of uncharacterized small molecules held in chemical repositories. Now a day, several new technological innovations have been designed not only to increase throughput (eg. miniaturization and combinatorial strategies) but also to increase the amount of data derived from a single assay point (multi label screening and high-content Screening [HCS] methods). These technologies coupled with extensive computational speed and integrated bioinformatics programs, have increased the number and output of HTS laboratories dramatically in the same period. So, HTS has been proven to be a valuable and evolving Technique that has greatly changed the drug discovery program. The aim of present study To screen various compounds (synthetic and natural products) on D₁ receptor for agonistic and antagonistic action using HTS approach , validate the active "HITS" define the selectivity and specificity and determine the in vivo efficacy of ligand using pre-clinical mouse models of D₁ receptor action.

Keywords: HTS approach, D₁receptor, screening, ligand, GPCR, In-vivo

Access this Article Only	ine
Website:http://www.journalofhospitalpharmacy.in	Quick Response Code:
Received on 27/06/2024 Accepted on 29/06/2024 © HEB All rights reserved	



HEB

Journal of Hospital Pharmacy An Official Publication of Bureau for Health & Education Status Upliftment (Constitutionally Entitled As Health-Education, Bureau)



A review: Hydrogel as drug delivery system: a new phase in pharmaceutical field

Mr. Umakant Sharma*¹, Dr. Sailesh Kumar Ghatuary², Mr. Susheel Kumar¹ and Ms. Deepansha³

Associate Professor¹, Principal Cum Director², Shri RLT Institute of Pharmaceutical Science & Technology, Ekdil, Etawah, 206126, Uttar Pradesh, India.

Assistant Professor³, SRLT Institute of Pharmacy and Management, Ekdil, Etawah, Uttar Pradesh, 206126, India.

Corresponding author's:

Mr. Umakant Sharma^{*} Associate Professor, Shri RLT Institute of Pharmaceutical Science & Technology, Ekdil, Etawah, 206126, Uttar Pradesh, India.

Email Id: serviceheb@gmail.com

ABSTRACT

Water-insoluble polymer chains form a network known as hydrogel, which is occasionally observed as a colloidal gel with water acting as the dispersion medium. Crosslinked polymer networks, or hydrogels, are able to absorb large volumes of aqueous liquids. These gels more closely mimic real tissue than any other kind of synthetic biomaterial because of their high water content. A number of methods for creating hydrogels have been documented, including co-polymerization and crosslinking of co-monomers with the use of a multifunctional co-monomer as a crosslinking agent. The polymerization reaction is started by a chemical initiator. Hydrogels are employed in certain parts of the human body. The body contains some environmental factors, like high temperatures and low pH. For site-specific controlled drug delivery, pH-sensitive and/or temperature-sensitive hydrogels can be employed. Hydrogels with molecular selectivity, such glucose or antigens, have potential applications in medication administration and biosensors. Homo- and co-polymeric hydrogels have been created using novel synthetic techniques for a variety of medication, peptide, and protein delivery uses. This article's goal is to provide a succinct overview of the uses of hydrogels in the pharmaceutical industry, as well as information on the material's characteristics, preparation process, benefits, and drawbacks.

Key words: Polymer, Hydrogel, Drug delivery, Toxicty

Access this Article Onl	ine
Website:http://www.journalofhospitalpharmacy.in	Quick Response Code:
Received on 27/06/2024 Accepted on 29/06/2024 © HEB All rights reserved	



HEB

Journal of Hospital Pharmacy

An Official Publication of Bureau for Health & Education Status Upliftment (Constitutionally Entitled As Health-Education, Bureau)



A Review on Anthelmintics and Heterocyclic moieties

Reena Singh^{*1, 2}, Yogesh Murti ³ and Mrs. Snehlata Dohare ⁴

Associate Professor*¹, Shri RLT Institute of Pharmaceutical Science and Technology Ekdil Etawah, 206126, Uttar Pradesh, India.

Research Scholar^{*2}, Associate Professor³, IPR GLA University, Mathura Delhi-Mathura Highway, Chaumuha, Mathura - 281406, Uttar Pradesh, India.

Principal⁴, SRLT Institute of Pharmacy and Management, Ekdil, Etawah, Uttar Pradesh, 206126, India.

Email Id: serviceheb@gmail.com

Abstract:

Parasites have been of concern to the medical field for centuries and the helminthes considerable problems for human being and animals. A large number of medicinal plants are claimedto possess anthelmintic property in traditional systems of medicine and are also utilized by ethnic. Anthelmintic activity is associated with diverse heterocyclic nucleus such as piperazine, pyrimidine, quinoline, azoles (imidazole, 1, 2, 4 triazole, isoxazole, pyrazole, thiazole, thiadiazole), quinazoline, 1,5-benzodiazepines and benzimidazols.

Key words: Anthelmintic activity, earthworms, tapeworms, hookworms, heterocyclic moieties.

Access this Article Onl	ine
Website:http://www.journalofhospitalpharmacy.in	Quick Response Code:
Received on 27/06/2024 Accepted on 29/06/2024 © HEB All rights reserved	



HEB

Journal of Hospital Pharmacy An Official Publication of Bureau for Health & Education Status Upliftment (Constitutionally Entitled As Health-Education, Bureau)



A review on study of herbal extract for immunity booster with a focus on *Ocimum sanctum* [Tulsi] leaves

Gopal Tripathi^{*1}, Dr.Sailesh Kumar Ghatuary², Surendra Ahirwar³ and Km.Shikha⁴

Student^{*1}, Principal Cum Director², Assistant Professor⁴, Shri R.L.T. Institute of Pharmaceutical Science and Technology Ekdil Etawah, Uttar Pradesh, 206126, India.

Assistant Professor³, SRLT Institute of Pharmacy and Management, Ekdil, Etawah, Uttar Pradesh, 206126, India.

Email Id: serviceheb@gmail.com

Abstract:

Tulsi, known as the "queen of herbs," has been used for millennia. Tulsi is a medicinal plant also known as oscimum sanctum. Tulsi has a lot of therapeutic benefits. Tulsi has also been demonstrated in studies to be beneficial for diabetes by lowering blood glucose levels. Tulsi was shown to significantly lower overall cholesterol levels in the same research. According to a different study, tulsi's antioxidant qualities are what provide it a positive impact on blood glucose levels. The most effective treatment for severe acute respiratory syndrome is Rama tulsi. Its leaf juice relieves cough, bronchitis, fever, and colds. Another ear drop that is utilized is tulsi oil. Malaria can be cured with tulsi. It works well for cholera, headaches, sleeplessness, hysteria, and indigestion. Every day, millions of people consume fresh Tulsi leaves.

Keywords: punch tulsi extract immunity booster; medicinal uses.

 Access this Article Online

 Website:http://www.journalofhospitalpharmacy.in
 Quick Response Code:

 Received on 27/06/2024
 Accepted on 29/06/2024 © HEB All rights reserved

Instructions to Authors

Journal of Hospital Pharmacy, a quarterly publication is devoted to publishing reviews and research articles in the area of Pharmacy Practice. Articles in the areas of clinical pharmacy, hospital pharmacy, community pharmacy, pharmaceutical care, pharmacovigilance, pharmacoeconomics, clinical research, clinical pharmacokinetics and other related issues can be sent for publication in JOHP. All manuscripts should be submitted in triplicate along with 'Authorship Responsibility Undertaking', signed by all the authors of the paper to, **The Editor**,

Journal of Hospital Pharmacy,

Health Education Bureau, 55/20 Rajat Path, Mansarovar, Jaipur, Rajasthan- 302020.

Authors should retain a copy of all materials submitted to the journal; the editor cannot accept responsibility for loss or damage to submitted materials.

Manuscripts will be subjected to peer review process to determine their suitability for publication, provided they fulfilled the requirements of the journal. After the review, manuscript will be returned for revision along with reviewer's and /or editor's comments. One original copy of the final revised manuscript should be submitted for publication within one month after receiving the comments. It is also desirable to submit the final revised manuscript on a CD prepared in MS word version 6.0/95 or a higher version.

Submission of a manuscript to ijopp for publication implies that the same work has not been either published or under consideration for publication in another journal.

Author/s publishing results from in-vivo experiments involving animal or humans should state whether due permission for conduct of these experiments was obtained from the relevant authorities /Ethics committee/Institutional Review Board.

Manuscript preparation:

Manuscripts should be concisely typewritten in double space in A4 sized sheets, only on one side with a 2 cm margin on all sides. The manuscript shall be prepared in

Times New Roman font using a font size of 12. Title shall be in a font size 14. All section titles in the manuscript shall be in font size 12, bold face capitals. Subtitles in each section shall be in font size 12, bold face lower case followed by a colon. The pages shall be numbered consecutively with arabic numbers, beginning with title page, ending with the (last) page of figure legends. The length of an Review/ Science Education article should not exceed 25 manuscript pages to include figures, tables and references. No abbreviations or acronyms shall be used in the Title or Abstract acronyms, except for measurements. All the references, figures (Fig.) and tables (Table) in the text shall be numbered consecutively as they first appear. No sentence shall start with a numeral. Abbreviations like "&" and "etc" shall be avoided in the paper. There shall not be any decorative borders anywhere in the text including the title page. The entire MS Word document with graphs and illustrations pasted in it shall not exceed 2 MB. Manuscripts must conform to the "Uniform Requirements for Manuscripts Submitted to Biomedical Journals" http://www.icmje.org/.

The Content of the manuscript shall be organized in the following sequence and shall start on separate pages: title page (including author's name, affiliations and address for correspondence), abstract (including atleast 4 key words), text (consisting of introduction, materials and methods, results, discussion, conclusion and acknowledgements), references, figure legends, tables and figures. Titles should be short, specific, and clear. Beginning with the first page of text, each page should be consecutively numbered.

For the Review Articles,

The author(s) is absolutely free to design the paper. The Abstract section is needed for review articles too. The article should not exceed 15 manuscript pages including figures, tables and references. References, figures, and legends shall follow the general guidelines described below.

For all other Articles, the following format shall be strictly followed.

Title Page. The following information should appear: title of article (A running title or short title of not more than 50 characters), authors' name, and last name. The author to whom all correspondence be addressed should be denoted by an asterisk mark. Full mailing address with pin-code numbers, phone and fax numbers, and functional e-mail address should be provided of the author for correspondence. Names of the authors should appear as initials followed by surnames for men and one given-name followed by surname for women. Full names may be given in some instances to avoid confusion. Names should not be prefixed or suffixed by titles or degrees.

Abstract: The abstract is limited to 250 words, and should describe the essential aspects of the investigation. In the first sentence, the background for the work should be stated; in the second sentence the specific purpose or hypothesis shall be provided; followed sequentially by summary of methods, results and conclusion. No references should be cited.

Material and Methods: This section may be divided into sub-sections if it facilitates better reading of the paper. The research design, subjects, material used, and statistical methods should be included. Results and discussion shall not be drawn into this section. In human experimentation, ethical guidelines shall be acknowledged.

Results: This section may be divided into subsections if it facilitates better reading of the paper. All results based on methods must be included. Tables, graphic material and figures shall be included as they facilitate understanding of the results.

Discussion: Shall start with limited background information and then proceed with the discussion of the results of the investigation in light of what has been published in the past, the limitations of the study, and potential directions for future research. The figures and graphs shall be cited at appropriate places.

Conclusion: Here, the major findings of the study and their usefulness shall be summarized. This paragraph should address the hypothesis or purpose stated earlier in the paper.

Acknowledgments. Acknowledgments should appear on a separate page.

Tables. Each table should be given on a separate page. Each table should have a short, descriptive title and numbered in the order cited in the text. Abbreviations should be defined as footnotes in italics at the bottom of each table. Tables should not duplicate data given in

The text or figure. Only MS word table format should be used for preparing tables. Tables should show lines separating columns with those separating rows. Units of measurement should be abbreviated and placed below the column headings. Column headings or captions should not be in bold face. It is essential that all tables have legends, which explain the contents of the table. Tables should not be very large that they run more than one A4 sized page. If the tables are wide which may not fit in portrait form of A4 size paper, then, it can be prepared in the landscape form. Authors will be asked to revise tables not conforming to this standard before the review process is initiated. Tables should be numbered as Table No.1 Title...., Table No.2 Title.... Etc. Tables inserted in word document should be in tight wrapping style with alignment as center.

Figures, Photographs and Images: Graphs and bar graphs should preferably be prepared using Microsoft Excel and submitted as Excel graph pasted in Word. These graphs and illustrations should be drawn to approximately twice the printed size to obtain satisfactory reproduction.

- **Resolution:** Drawings made with Adobe Illustrator and CorelDraw (IBM/DOS) generally give good results. Drawings made in WordPerfect or Word generally have too low a resolution; only if made at a much higher resolution (1016 dpi) can they be used. Files of scanned line drawings are acceptable if done at a minimum of 1016 dpi. For scanned halftone figures a resolution of 300 dpi is sufficient. Scanned figures cannot be enlarged, but only reduced. Figures/Images should be submitted as photographic quality scanned prints, and if possible attach an electronic version (TIFF/JPEG).
- **Chemical terminology** The chemical nomenclature used must be in accordance with that used in the chemical abstracts. **Symbols and abbreviations** - Unless specified otherwise, all temperatures are understood to be in degrees centigrade and need not be followed by the letter 'C'. Abbreviations should be those well known in scientific literature. In vitro, in vivo, in situ, ex vivo, ad libitum, et al. and so on are two words each and should be written in italics. None of the above is a hyphenated word. All foreign language (other than English) names and words shall be in italics as a general rule.
- **General Guidelines for units and symbols** The use of the International System of Units (SI) is recommended. For meter (m), gram (g), kilogram (kg), second (s), minute (m), hour (h), mole (mol), liter (I), milliliter (mI), microliter (µI). No pluralization of symbols is followed. There shall be one character spacing between number and symbol. A zero has to be used before a decimal. Decimal numbers shall be used instead of fractions.

Biological nomenclature - Names of plants, animals and bacteria should be in italics.

Enzyme nomenclature - The trivial names recommended by the IUPAC-IUB Commission should be used. When the enzyme is the main subject of a paper, its code number and systematic name should be stated at its first citation in the paper.

Spelling-These should be as in the Concise Oxford Dictionary of Current English.

Health Education Bureau, 55/20, Rajat Path, Mansarovar, Jaipur, Rajasthan, India Pin- 302020, Tel - 0141-2782681, Mob: 9636348191, 07976447983

*All documents can also be E-mailed in scanned form to editorjohp@gmail.com

Experimental Pharmacology Series

What is Experimental Pharmacology (Ex-Pharm) Series

This is a computer assisted learning (CAL) software containing various programs which simulate animal experiments in Pharmacology. These programs can be used to demonstrate effect of drugs on different animals systems. The package is user friendly, highly interactive and full of animated sequences which make simulation appear realistic. The current version of Experimental Pharmacology (Ex-Pharm) Series Software consists of following computer simulated experiments:

Experiments List

- 01.Experiment on effects of various drugs (Mydriatic, Miotic and Local Anesthetic) on rabbit's eye.
 - Epinephrine
 - Atropine
 - Ephedrine
 - Physostigmine
 - Lignocaine
- 02. Study of Analgesic activity with the help of "Tail Flick Apparatus" (Analgesiometer).
- 03. Study of Analgesic activity with the help of "Hot Plate Apparatus" (Analgesiometer).
- 04. To study Analgesic activity by writhing test.
- 05. Study of Antihistaminic drugs/Anti allergic drugs by mast cell stabilization method with help of "Histamine Chamber".
- 06. Study of Muscle Relaxant activity with the help of "Rota-Rod Apparatus".
- 07. Study of CNS Depressants & Stimulants Using "Actophotometer".
- 08. Study of Drugs acting on CNS (Including Anxiolytic Activity) using following modules
- Elevated Plus Maze Method -
- Pole Climbing Method
- 09. Study of anticonvulsant activity using "Electro Convulsiometer" (MES Method).
- 10. To study PTZ induced convulsions in mice
- 11. Study of effect of hepatic microsomal enzyme inducers on the phenobarbitone sleeping time in mice.
- 12. To study the action of strychnine/anesthetic on frog neurons (excitability).
- 13. Simulation of pupil control
 - Simulation of the effects of the physiological stimuli and drugs on the papillary reflexes.
 - Simulation of the control in patient with partial parasympathectomy.
- 14. Test for pyrogens using rabbits.
- 15. Effect of drugs on isolated guinea pig ileum (in-vitro).
- 16. To study respiratory depression effect on rabbit.
- 17. Study of stereotype and anti-catatonic activity of drugs on mice
- 18. Experiments on thyroid and anti-thyroid drugs
- The effect of thyroxin, TSH, propylthiouracil on metabolism. 19. Experiments on blood sugar
- The effect of insulin (hypoglycemic activity) and alloxan on blood glucose.
- 20. Study of anti-inflammatory activity using carrageenan induced paw oedema method
- 21. Study of diuretic activity using metabolic cage
- 22. Experiment on Effect of various drugs on Isolated Frog's Heart. (DRC-Dose Response Curve)
 - Epinephrine
 - Norepinephrine

- Isoprenaline
- Calciumchloride
- Propranolol
- Acetylcholine
- Potassiumchloride
- Atropinesulphate
- 23. Experiments on effect of different drugs on dog BP & heart rate.
 - 1. Virtual Practice-Effects of drugs on the dog BP and Heart Rate.
 - 2. Effects of Vasopressor and Vasodepressor with appropriate blockers.
 - a. Virtual Practice-Reversal action of adrenaline on blood pressure and heart rate.
 - b. Virtual Practice-Reversal action of acetylcholine on blood pressure and heart rate.
- 24. Experiments on Lagendorff's Apparatus
 - Effect of coronary vasodilators on isolated heart
 - Effect of parasympathomimetics
- 25. Experiment on Bioassay of Histamine on the Ileum of Guinea Pig.
- 26. Bioassay of Acetylcholine on the isolated rectus abdominis muscle of frog

(a) By Matching Method,	(b) By Interpolation Method,
(c) By 3 Point Method,	(d) By 4 Point Method.

- 27. Bioassay of oxytocin on the isolated rat uterine horn by following methods (a) By Matching Method, (b) By Interpolation Method,
- (c) By3 Point Method, (d) By 4 Point Method. 28. Bioassay of serotonin on the isolated rat fundus strip by following methods
- (a) By Matching Method, (b) By Interpolation Method, (d) By 4 Point Method.
- acetylcholine on frog rectus abdominis muscle.
- 30. Study of anti-ulcer activity-using pylorus ligation method.
- 31. Evaluation of effect of acetylcholine (spasmogens) using rabbit jejunum
- 32. Evaluation of effect of different drugs on ciliary motility.
- 33. Evaluation of effect of saline purgatives on frog intestine.
- 34. Determination of acute irritation of a test substance.
- Skin irritation (Including edema formation)
- Eye irritation

* Examination mode will also be provided for modules.

- *With the above-mentioned list of Interactive Software Experiments, Modules will also be provided for following
- -Different routes of drugs administration in mice/rats.
- -Common laboratory techniques of blood withdrawal.
- -Different methods of anesthesia and euthanasia.

For whom is the software?

Software is aimed for medical, pharmacy, ayurveda, veterinary and dental science students. The software can also be used by the students of paramedical courses such as nursing, medical laboratory technology and physiotherapy etc.

Health Education Bureau, 55/20, Rijat Path, Mansarovar, Jaipur, Rajasthan, Pin-302020.

To See Subscription Form P.T.O:-

(c) By3 Point Method,

29. To record the DRC and to determine the PD2 value for



Bureau For Health And Education Status Upliftment

{Constitutionally Entitled As Health-Education, Bureau}

SUBSCRIPTION FORM

Particulars Duration of subscription Price (GT 18%) Tick in control (GT 18%) Particulars Duration of subscription Price (Regular (ST 18%) Price (GT 18%) Pr				SU	BSCRIP	TION TARIF	F				
Journal of Hospital Pharmacy 1 Year (0aline) Office (0aline) Office (0aline) Software EWL (0aline) Software EVL (0aline)	Particulars	Duration of Subscription	Price	Price Including GST 18%	Tick in Applica tion Box		of on	Price	Price Includi ng GST 18%	Tick in Applica tion Box	
Hospital Pharmacy 1,900 t (Online) 0 Software for fight (Online) software for fight (Online) 10 Software (Online) 10 Software (Online) </td <td>lournal of</td> <td>1 Year</td> <td>2,970 ₹ (Print + Online)</td> <td>GST-NA</td> <td></td> <td>Software- EWL</td> <td colspan="2">1 Year</td> <td>7790 ₹ (Regular Pack)</td> <td>9192 ₹</td> <td></td>	lournal of	1 Year	2,970 ₹ (Print + Online)	GST-NA		Software- EWL	1 Year		7790 ₹ (Regular Pack)	9192 ₹	
Pharmacy 3 Years 2,000 t 057-NA Language Lab 3 Year 1980 of t 23364 t 23364 t Ex Pharm 1 Year (Online) 057-NA Image: Comparison of the second of the	Hospital		1,900 ₹ (Online)	GST-NA		-Software for English			14700 ₹ (Advance Pack)	17346 ₹	
4.999 C GST-NA 1 Year Software (I) Colline) 1 Year (Por all active Experimental modules) 9.920 C 11,705 C 1 Byham 5 Years (I) Colline) (I) Colline) (I) Colline) 9.920 C 11,705 C (I) Colline) Byham 5 Years (I) Colline) (I) Colline) (I) Colline) (I) Colline) 9.920 C 11,705 C (I) Colline) Byham 5 Years (I) Colline) (I) Colline) (I) Colline) (I) Colline) 9.920 C 11,705 C (I) Colline) Byham 5 Years (I) Colline) (I) Colline) </td <td>Pharmacy</td> <td>3 Years</td> <td>7,900 ₹ (Print + Online)</td> <td>GST-NA</td> <td></td> <td>Language Lab</td> <td>3 Year</td> <td>ð,</td> <td>19800 ₹ (Repilar Pack)</td> <td>23364 ₹</td> <td></td>	Pharmacy	3 Years	7,900 ₹ (Print + Online)	GST-NA		Language Lab	3 Year	ð,	19800 ₹ (Repilar Pack)	23364 ₹	
Ex Pharm Software (All experimental pharmscology) modules of BPharm 1 Year (Por all active Experimental pharmscology) modules of BPharm 1 Year (For all active Experimental pharmscology) modules of sylabus as per PCHMAC+VCI 1 Year (Regular Pack) (For all active Experimental pharmscology) modules of sylabus as per PCHMAC+VCI 1 Year (Regular Pack) (For all active Experimental pharmscology) modules of sylabus as per PCHMAC+VCI 1 Year (Regular Pack) (For all active Experimental pharmscology) modules) 1 Year (Regular Pack) (For all active Experimental pharmscology) (For all active Experimental pharmscology) 2 Solo 3 (2 Solo 3 Solo 3 (2 Solo			4,690 ₹ (Online)	GST-NA					36900₹ (Advance Pack)	43542₹	
modules of BPham BPham S Years Image: Second	Ex Pharm Software (All experimental pharmacology	1 Year (For all active Experimental modules)	4,150 ₹	4,897₹		Ex Pharm Software (All experimental	1 Year (For all active Experimental modules) 3 Years (For all active Experimental modules)		9,920 ₹	11,705₹	
I Year I Year I Year Regular Pack Checking Limit 6751 t 7966 t Digi-Frog I Year Regular Pack) 4:250 t 5015 t I In Queries* 50,000 1 Year (Advance 4:250 t 5015 t I I In Queries* 50,000 1 Year (Advance 4:250 t 5015 t I I In Queries* 50,000 1 Year (Regular Pack) 9:790 t 1:552 t I I' query means group of words, ending with full stop. I' query means group of words, ending with full stop. 9:790 t 1:552 t I 'Prices includes delivery and maintenance cost also. '' '' I' get and advance I' favor of "Health Education Bureau". Payable a Jaipur /We Hereby Enclose the Demand Draft/Cheque/NEFT/RTGS Transaction No. of Rupees Name of A/C: Health Education Bureau". Payable a Jaipur Dated Bank & Branch Name in favor of "Health Education Bureau". Payable a Jaipur Name of A/C: Health Education Bureau Name of A/C: Health Education Bureau Bureau Name of A/C: Health Education Bureau Bureau Scode: UCBA002096 Bureau Bureau Bureau Bureau Bureau </td <td>modules of B.Pharm + D.Pharm syllabus as per PCI)</td> <td>5 Years (For all active Experimental modules)</td> <td>16,200 ₹</td> <td>19,116 ₹</td> <td></td> <td>pharmacology - modules of syllabus as per PCI+NMC+VCI)</td> <td>25,040 ₹</td> <td>29,547₹</td> <td></td>	modules of B.Pharm + D.Pharm syllabus as per PCI)	5 Years (For all active Experimental modules)	16,200 ₹	19,116 ₹		pharmacology - modules of syllabus as per PCI+NMC+VCI)			25,040 ₹	29,547₹	
1 Year (Advance Pack) Checking Limit- In Query means group of words, ending with full stop. 3 Year (Regular Pack) (For Ten dissection modules) 9,790 % 11552 % III **r query means group of words, ending with full stop. IIII IIIIIIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Plag-Check Software	1 Year (Regular Pack) Checking Limit In Queries* 50,000	6751 ₹	7966 ₹		Digi-Frog Software	1 Year (Regular Pack) (For Ten dissection modules)		4,250 ₹	5015 ₹	
¹ query means group of words, ending with full stop. ¹ Prices includes delivery and maintenance cost also. ¹ Customized Packages (For desired duration/modules) are also available for all journals/Softwares. /We Hereby Enclose the Demand Draft/Cheque/NEFT/RTGS Transaction No		1 Year (Advance Pack) Checking Limit - In Queries* 2,00,000	14254₹	16819₹			3 Year (Regular Pack) (For Ten dissection modules)		9,790 ₹	11552 ₹	
*Prices includes delivery and maintenance cost also. *Customized Packages (For desired duration/modules) are also available for all Journals/Softwares. /We Hereby Enclose the Demand Draft/Cheque/NEFT/RTGS Transaction No. of Rupees /We Hereby Enclose the Demand Draft/Cheque/NEFT/RTGS Transaction No. of Rupees Dated Bank & Branch Name in favor of "Health Education Bureau". Payable a Jaipu Details of Organization/Institution/Individual ACCOUNT DETAILS Name of Organization/Institution/Individual Name of A/C: Health Education Bureau Mob. No. Email. Name of the Bank: UCO Bank Subscription Year Health Education Bureau Name of the Bank: UCO Bank Account Number:20960210003121 IFSC code: UCBA0002096 MICR Code:302028023 Bank Branch Name & State Pin Code Bank Branch Name & Code: Mansarovar, Jalpur Branch Code:002096 District & State: Jalpur, Rajasthan PLEASE SEND US THE FILLED FORM WITH REQUISITE FEES AT FOLLOWING ADDRESS ADDRESS HEALTH EDUCATION BUREAU 55/20, Rajat Path, Mansarovar, Jalpur, Rajasthan, India, Pin (302020) Contact: 014:1-2783681, 07976447983, 09636348191 State: 0141-2783681, 07976447983, 09636348191	'i query means gr	roup of words, end	ling with fu	ll stop.	·		10.5 × C 80.0 0 0	·	5		-
/We Hereby Enclose the Demand Draft/Cheque/NEFT/RTGS Transaction No. of Rupees Dated Bank & Branch Name in favor of "Health Education Bureau". Payable a Jaipu Details of Organization/Institution/Individual ACCOUNT DETAILS Name of Organization/Institution/Individual Name of A/C: Health Education Bureau Mob. No. Email. Name of A/C: Health Education Bureau Subscription Year Email. Name of the Bank: UCO Bank Account Number: 2096021003121 FSC code: UCBA0002096 MICR Code: 302028023 Bank Branch Name & Code: Mansarovar, Jaipur Dist. State Pin Code. Branch Code: 002096 DIST. State Pin Code District & State: Jaipur, Rajasthan PLEASE SEND US THE FILLED FORM WITH REQUISITE FEES AT FOLLOWING ADDRESS ADDRESS HEALTH EDUCATION BUREAU 55/20, Rajat Path, Mansarovar, Jaipur, Rajasthan, India, Pin :302020	*Prices includes d *Customized Pack	elivery and maint ages (For desired	enance cost duration/n	also. odules) are	also availal	le for all fournal	s/Softwares				
Details of Organization/Institution/Individual ACCOUNT DETAILS Name of Organization/Institution/Individual Name of A/C: Health Education Mob. No. Email. Bureau Subscription Year Name of the Bank: UCO Bank Address Account Number: 20960210003121 IFSC code: UCBA0002096 HICR Code: 302028023 Bank Branch Name & Code: Bank Branch Name & Code: Dist. State Pin Code. Dist. State Pin Code. PLEASE SEND US THE FILLED FORM WITH REQUISITE FEES AT FOLLOWING ADDRESS ADDRESS HEALTH EDUCATION BUREAU 55/20, Rajat Path, Mansarovar, Jaipur, Rajasthan, India, Pin :302020 Contact: 0141-2783681, 07976447983, 09636348191	/We Hereby Enc	lose the Demand	Draft/Che Branch Na	que/NEFT/F me	RTGS Tran	saction No	wor of *Healt	of Ru h Educ	pees	u". Payable	e a Jaipur
Name of Organization/Institution/Individual		Details of	Organizat	tion/Institu	ution/Indi	vidual			ACCOUN	T DETAILS	i
Dist	Name of Orga Mob. No Subscription Y Address	nization/institu	ition/indi	Email				Bures Name Accou IFSC MICR Bank Mans	au of the Banl int Number: code: UCBA Code: 3020 Branch Nan	k: UCO Bar 20960210 0002096 28023 ne & Code:	ik 003121
PLEASE SEND US THE FILLED FORM WITH REQUISITE FEES AT FOLLOWING ADDRESS ADDRESS HEALTH EDUCATION BUREAU 55/20, Rajat Path, Mansarovar, Jaipur, Rajasthan, India, Pin :302020 Contact: 0141-2783681, 07976447983, 09636348191	Dist		State			Pin Code		Bran Distr	ch Code:002 ict & State:	096 Jaipur, Raj	asthan
ADDRESS HEALTH EDUCATION BUREAU 55/20, Rajat Path, Mansarovar, Jaipur, Rajasthan, India, Pin 1302020 Contact: 0141-2783681, 07976447983, 09636348191		PLEASE SEND	US THE	FILLED FC	RM WITH	H REQUISITE I	FEES AT FO	LLOW	ING ADDRI	ESS	
HEALTH EDUCATION BUREAU 55/20, Rajat Path, Mansarovar, Jaipur, Rajasthan, India, Pin 1302020 Contact: 0141-2783681, 07976447983, 09636348191					AD	DRESS					
			55/20, R	HEALT ajat Path, Ma Contact: 014	HEDU Insarovar, J 1-2783681	CATION BUF aipur, Rajasthan, 07976447983, 00	EAU India, Pin :30: 535348101	2020			

Technical Support & Queries: For further queries & technical support mails us at: serviceheb@gmail.com Health Education Bureau www.heb-nic.in

