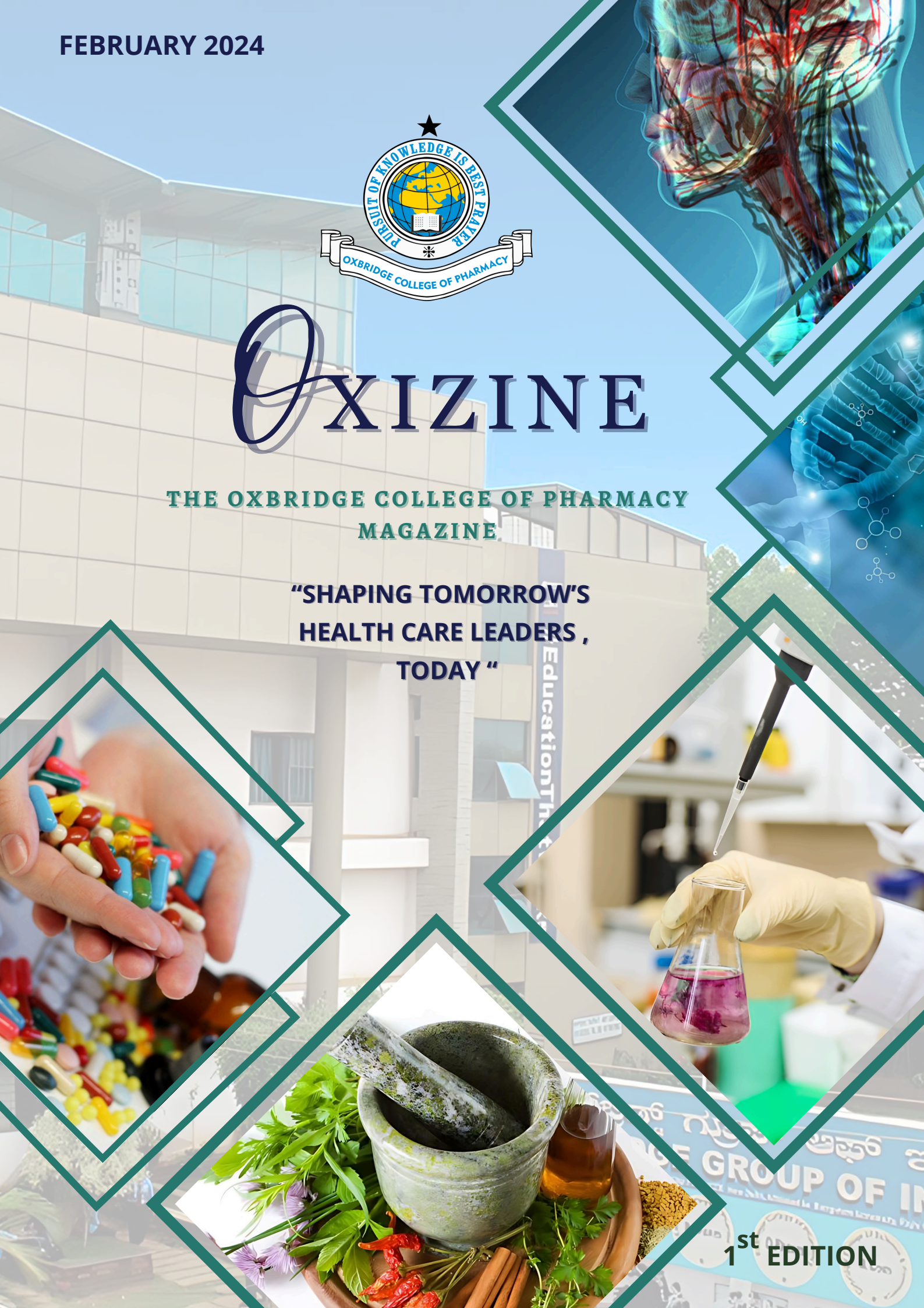
FEBRUARY 2024



OXIZINE

THE OXBRIDGE COLLEGE OF PHARMACY MAGAZINE

"SHAPING TOMORROW'S HEALTH CARE LEADERS , TODAY "

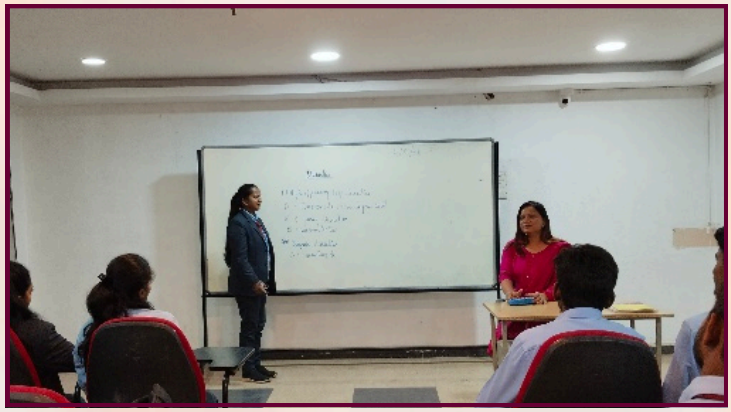
1st EDITION

OCP at a glance.....

















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INTRODUCTION *to* OXBRIDGE

Adapting to the rapid changes across various sectors presents an ongoing challenge for educators. Over three decades ago, the SKM Educational Trust was established with a mission to impart holistic education, enriching college degrees with practical learning experiences. In response to recent global shifts, we have reassessed our approach to education to ensure it meets the demands of globalization. Oxbridge fosters a community characterized by its mutli-cultural, multi-lingual and multi-faith composition, where diversity harmoniously thrives. Our institution offers a diverse range of courses, including:

- **B. Pharmacy**
- **M. Pharmacy**
- **Doctor of Pharmacy**
- **Diploma in Pharmacy**

All Pharmacy programs are approved by the Govt of Karnataka, Pharmacy Council of India, New Delhi and affiliated with RGUHS, Board of Examining Authority (D.Pharm, Karnataka, Bengaluru

- **Bachelor of Business Administration (BBA)**
- **Master of Business Administration (MBA)**

Both Programs offered by the Oxbridge Business School are apporved by the Govt. of Karnataka, AICTE, New Delhi, and affiliated with Bangalore University.

Today's youth face a myriad of challenges, and it is our shared responsibility as educators to mold their minds to navigate these rapid changes effectively. We recognize that we now inhabit a smaller more interconnected world, shaped by advancements in information and communication technologies, including the transformative impact of the internet technology on education.

At Oxbridge, we take pride in offering result-oriented and industry-relevant courses designed to equip students with the skills and knowledge needed to become valuable global citizens, serving as a beacon, guiding the students across their own bridges to success and fulfillment.

MESSAGE *from* THE PRESIDENT



Dr. M A Khan

As we reflect on another year of growth, achievement, and community here at Oxbridge Business School, I am filled with immense pride and gratitude for each and every one of you who contributes to our collective success.lt has been a year filled with challenges triumphs, and unforgettable moments that have shaped our college community in profound ways.Our collective efforts have not only sustained the spirit of our institution but have also propelled us forward towards excellence.

I extend my heartfelt gratitude to our students for your dedication to learning, to our faculty for your tireless efforts in teaching and mentorship, and to our staff for your invaluable contributions behind the scenes. Together, we have created a community that thrives on collaboration, innovation, and mutual respect.

May the stories within these pages serve as a source of inspiration and reflection as we continue our journey of discovery and transformation .Thank you for being part of our college family, and here's to another year of learning, growth, and shared memories

Thank you, and enjoy the journey ahead

MESSAGE *from* THE CHAIRMAN



Mr.Aijaz Ali Khan

As we welcome you, the future leaders and productive citizens of the world, I would like to stress on our mission statement of grooming young minds and hearts as the pillars of advancement of a nation and hope of the future.

Our institution was formed by a team of Service-oriented individuals with the aim to promote education and culture in all aspects in order to achieve and fulfill the mission statement that we believe in.

As an established and highly esteemed institution, we maintain an utmost academic standard, incorporated with the conduct of discipline, thereby achieving remarkable and excellent percentage of results. We firmly believe that education is the key to a nation's progress with this; we will take it as our bounded duty to provide the best academic training a student can possibly get. The institution endeavours to comfort the students with all the necessary knowledge and skills to become truly successful in the chosen field. In whatever career a student may choose to take, hard work and discipline are the sure roads towards success. And as your educational institution, we will support students in achieving those golden ambitions and also ensure that their stay in the college is meaningful and fruitful as well.

Students, you are about to cross a bridge in your life because college education is a turning point itself. It is in your hands to make sure that bridge leads you towards success. The hard work of today is the triumph of the future. The time and effort you spend today are the deciding factors of your later years.

As the chairman of this institution, I anticipate the full participation and cooperation of the students and parents to make it possible for us to transform those dreams to reality.

I wish you all the best!

MESSAGE from THE SECRETARY



Dr. Manzoor Ali Khan

As the academic year unfolds, we are excited to embark on yet another journey filled with learning, growth, and accomplishments. The annual college magazine serves as a testament to the vibrant tapestry of experiences, achievements, and aspirations that define our institution.

Through its pages, we celebrate the diverse talents, innovative ideas, and remarkable achievements of our students, faculty, and staff. It is a reflection of our collective commitment to excellence and our relentless pursuit of knowledge and innovation.
This year's magazine promises to be a captivating chronicle of our shared journey, capturing the essence of our community and showcasing the myriad talents and accomplishments that make us proud to be part of Oxbridge Group of Institutions.

Let us come together to celebrate our successes, share our experiences, and inspire one another as we continue to strive for excellence in all that we do.

MESSAGE *from* THE DIRECTOR



Razia Ali Khan

With immense pleasure and pride that I announce the much-awaited arrival of our inaugural college magazine. As we unveil this remarkable publication, I am filled with a sense of excitement and anticipation for the journey it promises to take us on.

This magazine stands as a testament to the dedication and perseverance of each and every student. Within its pages, it aims to capture the essence of what it means to be a pharmacy student at Oxbridge. From the triumphs to the challenges conquered, from the late-night study sessions to the moments of camaraderie and support, this magazine will serve as a chronicle of our collective experiences and achievements.

Through compelling stories, insightful interviews, and captivating visuals, we will shine a spotlight on the remarkable journey of our students. We celebrate their successes, both big and small, and reflect on the obstacles they have overcome along the way. But more than that, we reaffirm our commitment to nurturing the future leaders of pharmacy and healthcare.

As we flip through the pages of this magazine, let us not only reminisce about the past but also look ahead to the future. Let us be inspired by the stories of resilience and determination that fill its pages. And let us reaffirm our dedication to excellence, innovation, and service to others.

I extend my heartfelt congratulations to the editorial team, whose tireless efforts have brought this vision to life. And I extend my deepest gratitude to each and every member of the Oxbridge community, whose contributions have made this magazine possible.

Together, let us celebrate this momentous occasion and embrace the promise that it holds for the future.

MESSAGE *from* THE ACADEMIC DIRECTOR



Dr. Shaik Sadik

My warm heartly welcome to all. It's my honor to be the Academic Director to this esteemed institution.

I believe education is the most powerful weapon you can use to change the world. The beautiful thing about education is that it is a power which keeps on giving, encouraging you, it's a tool that is going to shape a brighter future achieving great heights in life.

I am here to offer our students the tools for education, but it's up to students to accept and use these tools for the bright prospect.

To bring the best in our students we have revised the entire curriculum where you will learn in very productive and constructive environment with an excellent infra structure that will enhance your creative ability with the guidance, support of our highly qualified faculty members. Additionally, students will also be given the opportunity to take part into very satisfying, interesting activities and learn together the theory and practical application in academics by conducting countless workshops, presentations, webinars, seminars by experienced scholars, industrial visits to give a lively experience to students and a high-quality hospital for PharmD students to nourish their clinical knowledge with the highly qualified doctors.

I am determined to maintain the values and ethics in the institution, no compromise with the academic standards of Oxbridge College of Pharmacy. For the development of students and the institution I will bring out the best in themselves. Once again I welcome you all to the fraternity of Oxbridge College of Pharmacy and I am sure that with your co-operation, sincere effort, dedication and our tenacious support you will achieve success, prosperity in life.

Good luck and happy learning to every student...!!

MESSAGE from THE PRINCIPAL



Dr. Inayathullah

It is my pleasure to write a few words as the Principal, on the occasion of the release of our first college magazine 'OXIZINE', exclusively meant to showcase the latent writing talents of our students. This bears an immense potential of sharpening the communication skills as part of the overall personality development. I congratulate all the contributors and the editorial board for bringing out such a beautifully designed magazine.

Empowerment of students for their all round development through education is our motto. Health care education means much more than merely acquiring knowledge. It is acquisition of knowledge and skills, building character and improving employability of our young talent, the future health care providers. We inherited a strong foundation in our students to achieve them ahead for a brighter India. Steps taken by the college management, the willing contribution of the teaching and non-teaching staff and over whelming response and enthusiastic participation of our students in the college recent past activities all vouch for this. When all the constituents come together and work in unison, the expected results are bound to flow. I appreciate every student who shared the joy of participation in co-curricular and extracurricular activities along with their commitment to curriculum. That little extra we do, is the icing on the cake.

On this occasion of OXIZINE release, I thank SKMET Chairman Janab Aijaz Khan, Secretary Dr. Manzoor Khan and Director Mrs. Razia madam.
I thank and appreciate the untiring efforts of the editorial team in bringing a perfect, and well drafted Magazine OXIZINE. Potentiality of its dedicated faculty and hidden talent of students.

Let's celebrate the Joy and look forward to a new beginning...

Wishing you all interesting and informative reading of OXIZINE

THE *Pharmacist* OATH



- I swear by the Code of Ethics of the Pharmacy Council of India in relation to the community and shall act as an integral part of the health care team.
- I shall uphold the laws and standards governing my profession.
- I shall strive to perfect and enlarge my knowledge to contribute to the advancement of pharmacy and public health.
- I shall follow the system, which I consider best for pharmaceutical care and counseling of patients.
- I shall hold endeavor to discover and manufacture drugs of quality to alleviate the sufferings of humanity.
- I shall hold in confidence the knowledge gained about the patients in connection with my professional practice and never divulge unless completed to do so by the law.
- I shall associate with organizations having their objectives for the betterment of the profession of pharmacy and make contributions to carry out the work of those organizations.
- While I continue to keep this oath unviolated, may it be granted to me to enjoy the life and practice of pharmacy respected by all, at all times!
- Should I trespass and violate this oath, may the reverse by my lot.



Dr. Ramya K.
Editor-In-Chief



Dr. Asmita Mahapatra
Associate Editor



Razia Ali Khan
Design/Content

THE EDITORIAL BOARD MESSAGE:

‘Self-discipline is the ultimate life hack, empowering individuals to level up and crush their goals with relentless focus and determination...’

Welcome to the debut edition of Oxizine, the cutting-edge magazine from Oxbridge College of Pharmacy (OCP). Crafted by the dynamic minds of our faculty and students, Oxizine is a reflection of OCP's ethos of innovation and creativity.

Throughout the year, OCP has been a hub of activity, from thought-provoking seminars and industry immersions to vibrant workshops and community health initiatives. Our faculty's groundbreaking research has secured grants, while our students have poured their talents into the pages of Oxizine, showcasing their diverse interests and perspectives.

We owe a debt of gratitude to our Management, Principal, staff, students, and sponsors, whose unwavering support has fueled the creation of Oxizine. Their dedication shines through on every page.

OUR TEACHING STAFF

DEPARTMENT OF PHARMACOLOGY

S.No.	Name of the Faculty	Qualification	Designation	Experience (Teaching+Industry)
01.	Dr. Shaik Sadik	M. Pharm, Ph.D	Assoc. Professor & HOD	10 Years
02.	Mrs. Petricia Regina Irene	M. Pharm	Assoc. Professor	12 Years
03.	Ms. Arundhati Jha	M. Pharm	Asst. Professor	6 Months

DEPARTMENT OF PHARMACEUTICS

S.No.	Name of the Faculty	Qualification	Designation	Experience (Teaching+Industry)
01.	Dr. Inayathullah	M. Pharm, Ph.D	Professor & HOD	21 Years
02.	Prof. Manjunath U Machale	M. Pharm	Professor	26 Years
03.	Dr. Arun Kumar	M. Pharm	Assoc. Professor	12 Year
04.	Mrs. Vasia	M. Pharm (Ph.D)	Assoc. Professor	8.7 Year
05.	Mrs. Shazia Iryn	M. Pharm	Assoc. Professor	7.5 Years
06.	Ms. Prathiba C V	M. Pharm	Asst. Professor	2.4 Years
07.	Mrs. Manjula R	M. Pharm	Asst. Professor	4 Years
08.	Mr. Jayaram Reddy C	M. Pharm	Asst. Professor	1 Year
09.	Mr. Pathan Masthan Ali	M. Pharm	Asst. Professor	1 Year
10.	Ms. Aswati A K	M. Pharm	Asst. Professor	7 Months

DEPARTMENT OF PHARMACY PRACTICE

S.No.	Name of the Faculty	Qualification	Designation	Experience (Teaching+Industry)
01.	Dr. Lakshmana Murthy	M. Pharm, Ph.D	Professor & HOD	12 Years
02.	Dr. Anju K P	Pharm D	Assoc. Professor	5 Years
03.	Dr. Anju R V	Pharm D	Asst. Professor	3 Years
04.	Dr. Ashly Ann Varghese	Pharm D	Asst. Professor	2 Years
05.	Dr. Santanu Mishra	Pharm D	Asst. Professor	1 Year
06.	Dr. Shammi Khan	Pharm D	Asst. Professor	10 Months
07.	Dr. Collet P T	Pharm D	Asst. Professor	7 Months
08.	Dr. Surya Prakash	Pharm D	Asst. Professor	5 months
09.	Dr. Devika P Sreedharan	Pharm D	Asst. Professor	6 Months
10.	Dr. Danish Muhammad	Pharm D	Asst. Professor	7 Months
11.	Dr.Ajmal Hassin	Pharm D	Asst. Professor	6 Months

DEPARTMENT OF PHARMA CHEMISTRY

S.No.	Name of the Faculty	Qualification	Designation	Experience (Teaching+Industry)
01.	Dr. Ramya K	M. Pharm, Ph.D	Professor & HOD	15 Years
02.	Dr. Asmita Mahapatra	M. Pharm, Ph.D	Assoc. Professor	4 Years
03.	Mrs. Pooja Jain N	M. Pharm	Asst. Professor	4 Years
04.	Mr. Sreekumar Reddy G	M. Pharm	Asst. Professor	2 Years
05.	Mrs. Anusha S	M. Pharm	Asst. Professor	1 Year
06.	Mrs. Sanjana C J	M. Pharm	Asst. Professor	4.3 Years
07.	Mr. Suresh Kumar	M. Pharm	Asst. Professor	5 Months
08.	Ms. Krishna Maniyalil	M. Pharm	Asst. Professor	5 Months

DEPARTMENT OF PHARMACOGNOSY

S.No.	Name of the Faculty	Qualification	Designation	Experience (Teaching+Industry)
01.	Dr. Rekha Paramesh	M. Pharm, Ph.D	Professor & HOD	14 Years
02.	Mrs. Divya B	M. Pharm	Asst. Professor	1 Year

TEACHING STAFF



NON-TEACHING STAFF





II YEAR B.PHARM 2022-26



III YEAR B.PHARM 2021-25



IV YEAR B.PHARM 2020-24



II PHARM.D. 2022-28



III PHARM.D. 2021-27



IV PHARM.D. 2020-26



V PHARM.D. 2019-25



FRESHER'S 2023-24



I PHARM.D. 2023-29



I YEAR B.PHARM 2023-27



I YEAR D.PHARM 2023-25

ACHIEVEMENTS

RESEARCH PUBLICATION'S IN THE YEAR OF 2022 - 23

Sl. No	Journal	Topic	Author Name's	Year of Publication
1	Notion Publication's	Pharmaceutical Organic Chemistry Lab Manual and Record (ISBN 979-888733221-5)	Dr. Ramya K	2022
2	International Journal of Health Sciences	Approach of analytical quality by design and regulatory need	Asmita Mahapatra	2022
3	Journal of Positive School Psychology	Development and validation of LC/MS-MS method for estimation of Axitinib formulations by Box Behnken Design	Asmita Mahapatra	2022
4	Indian Journal of Pharmaceutical Education and Research	Formulation and evaluation of Bendamustine loaded polymeric nanoparticle	Shaik Sadik Vasia Tamreen	2022
5	International Journal of Research in Ayurveda and Pharmacy	A study on trends in the management of chronic liver disease patients	Santanu Mishra	2022

APPROVED RGUHS UG GRANTS 2022 - 23

Grant No	Principal Investigator	Title	Guide
UG23PHA457	Harshitha S IV YEAR B.Pharm	Phytochemical analysis and antimicrobial activity of Quassia Indica	Dr. Ramya. K Professor & Head Department of Pharmaceutical Chemistry
UG23PHA469	Kavyashree TM IV YEAR B.Pharm	Evaluation of Quality control parameters for Expired & Non-Expired Drugs	

Rewarded for the innovations at different forum

Date	Details	Organization	Category
(19/02/2023-20/02/2023) 2 days Exhibition	Awarded as a "Best Innovation Model in Startup & Innovation"	Sri Kshetra Adichunchunagiri University Jnana- Vijnana- Tantrajnana Mela- 2023	First prize
(19/02/2023-20/02/2023) 2 days Exhibition	Awarded as a "Best Mentor in Startup & Innovation"	Sri Kshetra Adichunchunagiri University Jnana- Vijnana- Tantrajnana Mela- 2023	First prize
(25/04/2023)	5th IPCTPS- Innovative Practices in Clinical Training & Patient Safety	IPA & Srinivas College of Pharmacy,RGUHS	2nd prize in Quiz Competition
(26/04/2023)	5th IPCTPS- Innovative Practices in Clinical Training & Patient Safety	IPA & Srinivas College of Pharmacy,RGUHS	1st prize in Poster Presentation
(07/03/2023)	Awarded as a best Poster Presentation	PES university	1st prize in Poster Presentation

"MODEL PRESENTATIONS BY OCP"

"Jnana vijnana tantra jnana mela" an inter-college fair was organised by Adichunchanagiri University, Mandya district, Karnataka on 19th & 20th Feb2023. III Pharm.D & V Sem B.Pharm students of Oxbridge group of institutions, Bengaluru was participated in exhibition/models, power point presentation & in cultural events. They also accorded the themes/subthemes in which our college students preferred the theme "Shaping the future life: Health & Nutrition". The model was based on the theme "Pathophysiology of diseases" which was prepared by III Pharm D Aqueeb, Raiyan Khan, Syed adeeb ur Rahman, Syed yakhub Waseem. The power point was based on the theme "Lifestyle & it's relationship with good and bad health based on facts & researches" which was prepared by Ms. Zeba Siraj & Ms. KavanaShree. Y, The model was based on the theme "Measuring the Vitals" which was prepared by V Sem Laxmesh N, Jnanendra K Y, Jeswanth Yadav K M, and Bharath R. The power point was based on "Electronic Pill" which was prepared by Ms. Priya K & Ms. Kavyashree T M. All these projects were guided by Dr. Ramya K (Professor & Head, Dept. of Pharmaceutical Chemistry) & Mrs. Pooja Jain (Ass. Prof. Department of Pharmacognosy).









Break through Innovation's of the institute

MSM Model (Multi Sensor Machine)

Sl No	Name of the Startup	Student Promoter	Functional Area
1	MSM Multi Sensor Machine	Mr. Laxmesh N Mr.Jnanendra K Y Mr. Jeswanth Yadav K M Mr. Bharath R (5th Sem BPharm)	The model was based on one of the prototype machine known as MSM -Multi-sensor Machine, which measures vitals of human body such as Blood-pressure, Glucose level, Temperature, Oxygen rate & heart rate.

Oxbridge college of Pharmacy (OCP), Bengaluru students has emerged as the winners recently at a regional-level exhibition "Jnana vijnana tantra jnana mela" organized by Adhichunchunagiri University, Mandya district on 19th /20th Feb 2023.

Top Pharmacy colleges has participated in the above conducted exhibition showcasing their stalls on theme such as Science, Religion and spirituality, creation of technology in new millennium, Shaping the future life: Health and Nutrition, Environmental issues, National education policy, sustainable development, sports & social change.

OCP has executed Two models and two Power point presentations on the Health and nutrition topic with the key objective of bringing out the hidden talents of students and with a focus on creating more awareness of Science & Technology & we were successful in the mission has our MSM model has secured first place.

The model was based on one of the prototype machine known as MSM -Multi-sensor Machine, which measures vitals of human body such as Blood-pressure, Glucose level, Temperature, Oxygen rate & heart rate. The MSM model was executed by students Jnanendra, Laxmesh, Bharath and Jeswanth Yadav V Semester B Pharm guided by our faculty Mrs.Pooja Jain Ass.Prof. Department of Pharmacognosy.

OCP PHARMACEUTICAL SOCIETY-2023



Dr. Inayathulla
PATRON
Principal



Geetha Moger
PRESIDENT
V Pharm D



Yogesh K.
VICE PRESIDENT
IV B. Pharm



Yashwanth Gowda
SECRETARY
V Pharm D



Anjila Niroula
JOINT SECRETARY
VI Pharm D



Rahano Jain V.
CULTURAL SECRETARY
IV B. Pharm



Kavanashree Y.
JOINT CULTURAL SECRETARY
III Pharm D



Bhoomika G. R.
SPORTS SECRETARY (GIRLS)
II B. Pharm



Najma Naini Ahmed
JOINT SPORTS SECRETARY
IV Pharm D



Bharath R.
SPORTS SECRETARY (BOYS)
III B. Pharm



Puneet Shivanand
JOINT SPORTS SECRETARY
II B. Pharm



Harshitha S.
MAGAZINE SECRETARY
III B. Pharm



Gayathri Devi
JOINT MAGAZINE SECRETARY
II Pharm D.



Syed Adeeb Ur Rehman
NSS SECRETARY
III Pharm D



Vaishnavi R.
LIBRARY SECRETARY
II B. Pharm



Likitha B. S.
GIRLS REPRESENTATIVE
V Pharm D



Basavaraj A. Shivapooji
BOYS REPRESENTATIVE
IV B. Pharm

ACADEMIC EXCELLENCE OF B-PHARMACY

II - SEMESTER













IV - SEMESTER







VI - SEMESTER









VIII - SEMESTER







ACADEMIC EXCELLENCE OF PHARM-D & M-PHARM

I - PHARM D



AISHWARYA G S

II - PHARM D



KEERTHI J U



GAYATHRI DEVI B H



N SUSHMA



DEVIKA M

III - PHARM D



KAVANASHREE Y



P V RAGINI

IV - PHARM D



TIHAMEE



NITESH RAJ KATTEL

V - PHARM D



GEETA MOGER



LIKITHA B S

II -SEM M.PHARM



RAMYA R



MANASA N



NAVEEN KUMAR B

Activities at OCP

NSS ACTIVITIES

BLOOD DONATION CAMP



WORLD HYPER TENSION DAY



WORLD ENVIRONMENTAL DAY



WORLD INNOVATION DAY



NATIONAL EDUCATIONAL DAY



IIC ACTIVITIES

CLINI RESEARCH



JVTM ADICHUNCHANAGIRI









KRUPACON



IPCTPS



DSU CONFERENCE



PES ASPIRATION



SAMPRAVEGA AT SOUNDRAYA INSTITUTE



WORKSHOP ON ENTERPRENURSHIP



MEDIVAAH WORKSHOP



SEMINARS AT OCP

CAREER OPPORTUNITIES BY DR .DINESH VASU






PUBLICATION PROCESS BY Dr.G.JAGADEESH








CO CURRICULAR ACTIVITIES

FRESHERS DAY



WOMENS DAY





REPUBLIC DAY





TEACHERS DAY



NAVARATRI CELEBRATIONS













ONAM CELEBRATIONS





INDEPENDENCE DAY





PHARMACOVIGILENCE DAY



KANNADA RAJYOTSAVA



PHARMACIST DAY



KERALA TRIP



INDUSTRIAL VISIT





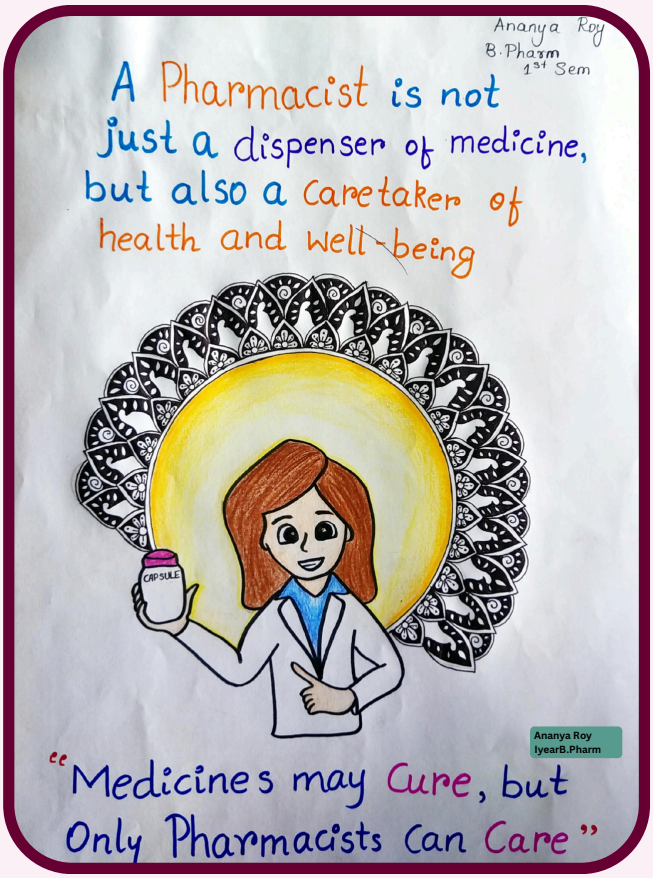
We are PHARMACIST

Talking , smiling nd sharing
drugging the other as the blessing
Filling one's heart with hope ,
without risking of any guessing
We are the one's behind the shades ,
working out way up the better stairs
,
Grabing info of the cause , providing
every tiny detailed care ,
Like analgesics for pain , CNS
stimulants for brain ,
Everything we've ever learnt doesn't
go in vain ,
Wearing the white coats with smiles
, paying attention nd aiding to
perfection,
Making our ways to cure nd heal
We are PHARMACIST by profession.

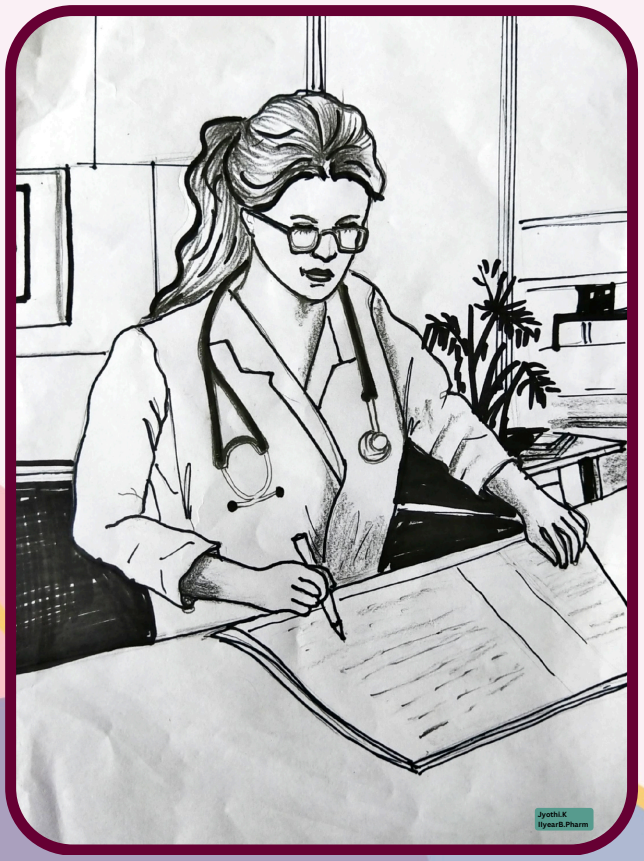




Students Corner



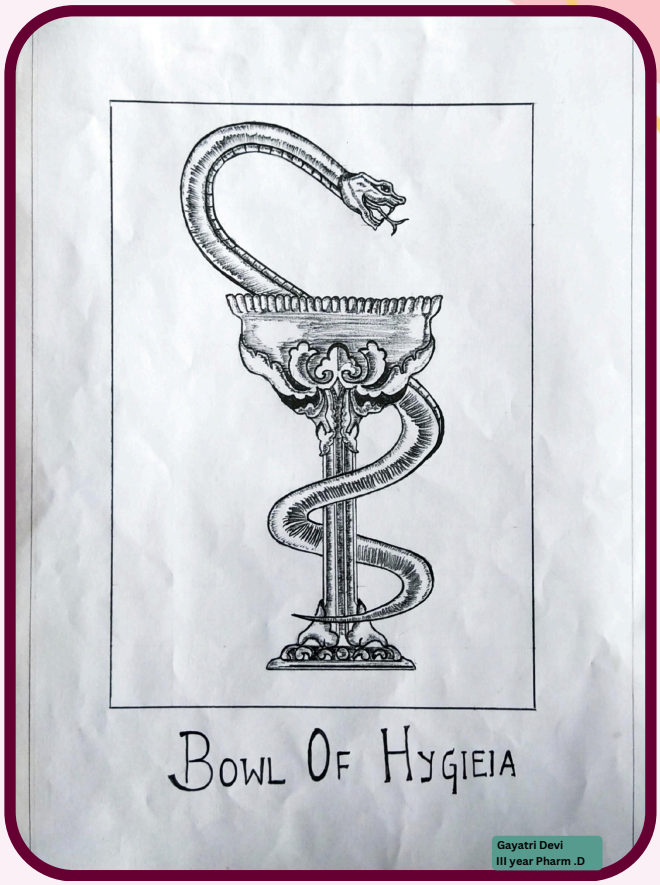








Bhargav D N
IVyearB.Pharm



Gayatri Devi
III year Pharm .D



Priya.K
IV year B.Pharm



Gayatri Devi
III year Pharm .D


DOCTORS ARE ACTORS BUT,
PHARMACISTS ARE DIRECTORS
Roopesh.K
IV year B.Pharm


Roopesh.K
IV year B.Pharm


PATIENCE IS THE
BEST
MEDICINE
Rx
Harshitha M
IV year B.Pharm

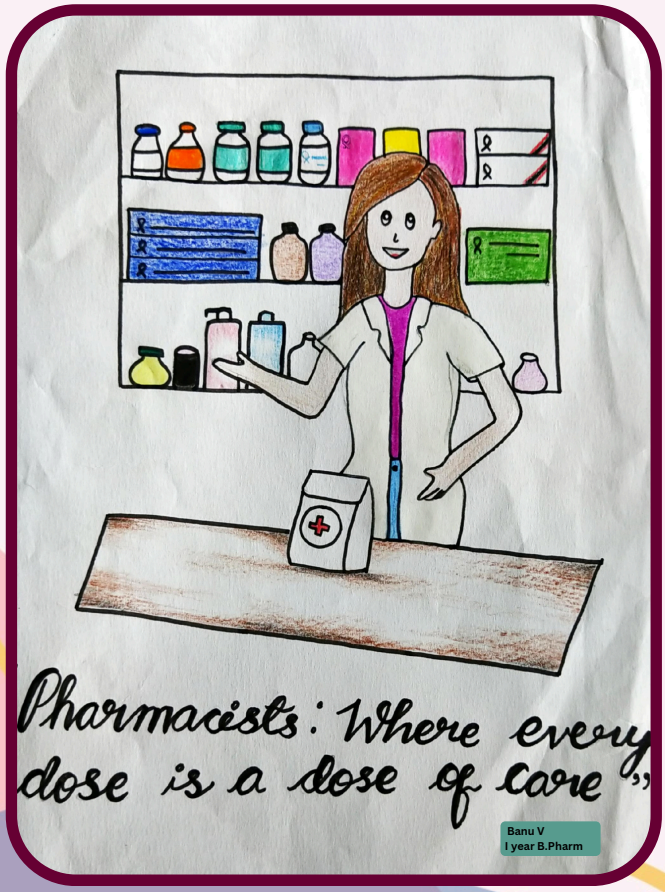

NOT ALL ANGELS HAVE
WINGS
SOME HAVE
STETHOSCOPES
Vidya Shree N
IV year B.Pharm



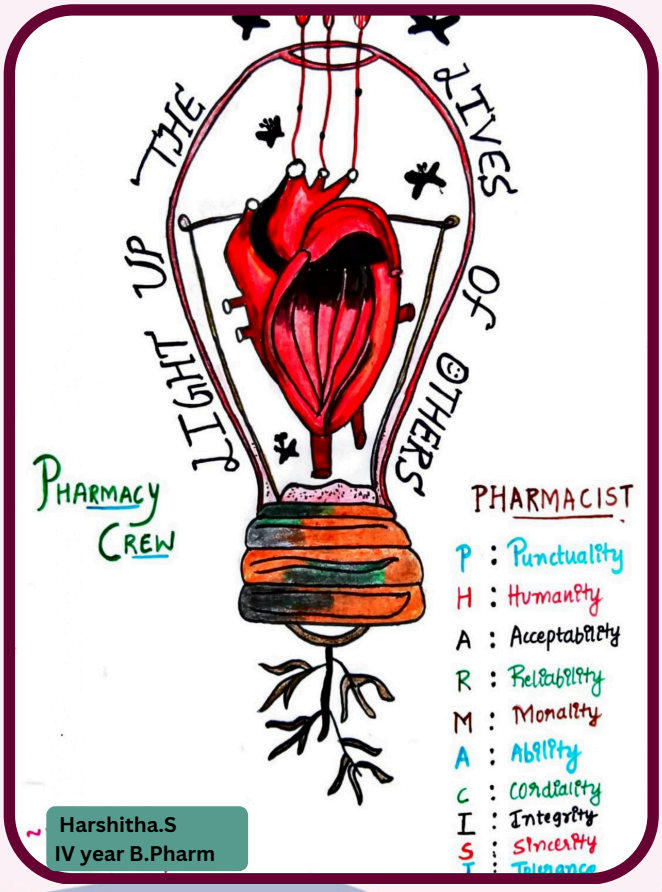
Sai Monika M
I year B.Pharm



Sneha Reddy M
II year B.Pharm



Banu V
I year B.Pharm



Harshitha.S
IV year B.Pharm

ELECTRONIC PILL

Since this is the era of modernization people are looking towards an easy and affordable health care infrastructure, electronic pill is one of it. It is a tiny capsule - sized device that contain sensors (or) tiny camera to collect information and data inside the body by travelling through gastrointestinal tract. In 1972 Dr. John Copper and Dr. Eric Johanessen 1st introduced the concept of electronic pill, later it was brought into reality by German based company MEDIMETRICS. It has 16mm diameter,55mm length,5gm weight externally covered by chemically resistence Polyether terketone. It's an experimental pill that detects gases like hydrogen in the gut wall.



It mainly contains 4 components;

- DRUG RESERVOIR: On application of suitable magnetic field drug is released into body.
- DELIVERY PUMP: Through this the drug is delivered to specific part of body
- ELECTRONIC MICROCONTROLLER: It controls all the activities of the pill.
- WIRELESS COMMUNICATION AND SPECIFICATION: These convert the magnetic signals into electronic signals and show the reading on the display of monitor.

Gastroenterologists use breath test to detect hydrogen and diagnose disorders such as lactose intolerance and more painful conditions, like small intestinal bacterial overgrowth (SIBO). In order to detect this people are ingested with glucose like material so people with SIBO condition release more hydrogen gas, due to increased amount of bacteria in their small intestine.



But this test cannot be performed since breath test is flawed. From breath test doctors can't come to know exactly from where the hydrogen gas is coming either from small intestine or elsewhere. So in order to overcome this electronic pill was introduced.

It is an ingestible device which has a polyethylene shell with a small gas-permeable opening. When gases reach the sensing circuit, the electronics send the signal from inside to sensing circuit through which the readings can be read on phone. This pill also detects oxygen which make it easy to monitor since each section of our GI tract is having own distinct amount of oxygen.

TYPES:

1. Contain only camera
2. Contain only sensor

APPLICATIONS

- ✓ Detection of cancer.
- ✓ Abnormalities of GIT.
- ✓ Image of oesophagus and inte
- ✓ pH value of the blood.
- ✓ Activity of fermenting bacteria.

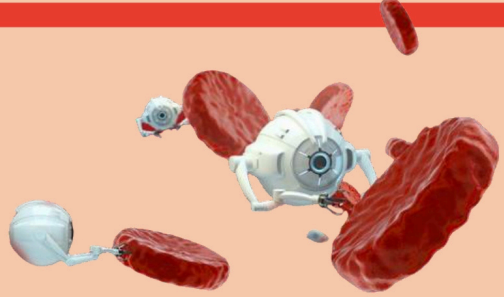


KAVYA SHREE T.M

KavyaShree TM

IV year B.Pharm

Nanorobots For Cancer Treatment



Nano Robots an emerging technology, these machines with nanoscale intelligence and information that can sense signal, respond and process.

Characteristics of Nano Robots:

- Mainly made up of carbon due to its intense high thermal conductivity and strength.
- Passive diamond coating to elude host immune system.
- A distinctive size of blood borne medical nanorobots ranges between 0.5-3 micrometres large with 1-100 nanometre parts.
- It will communicate with doctors by encoding message to acoustic signals at carrier wave frequency of 1-100MHz.
- It might produce multiple copies of it to replace worn out units, a process called self-replication.



Nanorobots with chemical biosensor are used for detecting the tumorous cells in early stage of cancer development. The therapeutic index of most anticancer drugs is narrow, causing toxicity to normal stem cells haematological adverse effect gastrointestinal effects. Hence the scientist has genetically modified salmonella bacteria carry microscopic robots about 3 micrometres in size that automatically release capsules filled with drugs when the bacteria reach the tumour by delivering drugs directly to the tumour. Nanorobots attacks the tumour while leaving healthy cells alone, sparing the patient from the side effects of chemotherapy. Specific control of the helical type of nanorobots addresses the gadgets for versatile radiation treatment of cancer treatment dependent on particular exchanging of radioactive sources spread in tumour region. Likewise, Nanorobots can utilizes laser or ultrasonic sources to counter cancerous cells.

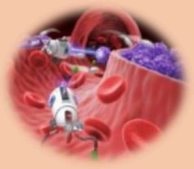
Inserted compound biosensor on the Nanorobots surface can be utilized to recognize the nearness of tumour cell in the beginning period of the illness, Nanorobots with concoction nano biosensor can be customized to recognize distinctive dimension of E-Cadherin and beta catenin as medicinal focuses on essential and metastatic stages helping target distinguishing proof and drug delivery. Nitric oxide synthase E-cadherin and beta catenin are some instances of fluctuating protein aggregation within the body near medical target under diseased condition. Furthermore, temperature changes are common in tissues with inflammation. The framework integrates chemical and thermal characteristics are the most essential clinical and therapeutical recommendations for Nanorobots template analysis.

Structure and design of Nano Robots:

- Medical cavity: used to hold small doses of medicine.
- Probes knives and chisels: used to remove plaque and blockages
- Microwave emitter and Ultrasonic signal generators: used to destroy cells like cancerous cell by breaking the chemical bonds without rupturing.
- Electrodes: helps in generating electric current.
- Laser: used to burn harmful materials (blood clots, cancerous cells etc.



Conclusion:

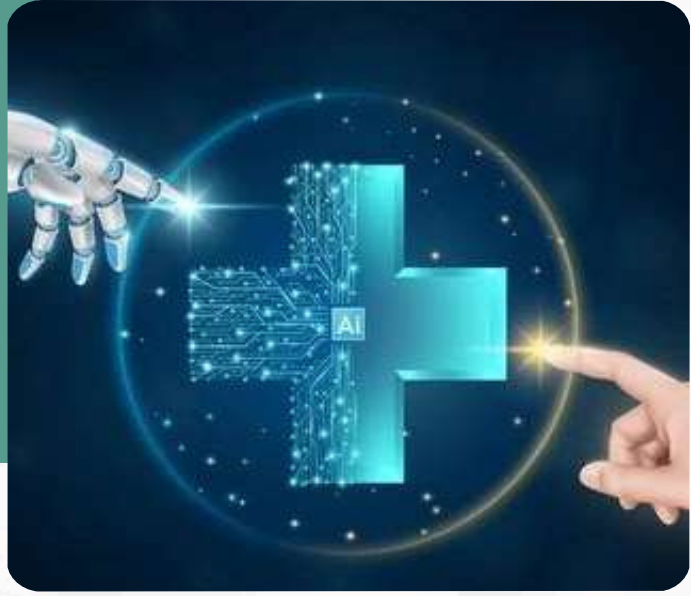


considering the serious side effects of current treatments like radiation and chemotherapy, nanorobots from the field of nanomedicine may prove to be a novel, encouraging, and upbeat piece of equipment for patients receiving treatment and diagnostics for illnesses that could be fatal.



Priya K
IV year B.Pharm

TRANSFORMATIVE ROLE OF ARTIFICIAL INTELLIGENCE IN THE PHARMACY SECTOR



INTRODUCTION

Artificial Intelligence (AI) has emerged as a revolutionary force, reshaping industries across the globe, and the pharmacy sector is no exception. The integration of AI technologies in pharmacy practices has ushered in a new era of efficiency, accuracy, and personalized healthcare services. This essay explores the myriad ways in which AI contributes to the advancement of the pharmacy sector, addressing challenges, improving patient outcomes, and enhancing overall operational efficiency.

01: Drug Discovery and Development:

AI has significantly accelerated the drug discovery process. Machine learning algorithms analyze vast datasets, identifying potential drug candidates and predicting their efficacy and safety profiles. This not only expedites the research phase but also reduces costs associated with traditional drug development methods. AI-driven simulations and modeling enable researchers to explore diverse molecular structures and optimize drug formulations, leading to the creation of innovative and more effective pharmaceuticals.

02. Personalized Medicine:

AI plays a pivotal role in tailoring treatments to individual patient characteristics. By analyzing genetic, clinical, and lifestyle data, AI algorithms can identify optimal drug regimens, dosage levels, and potential side effects based on a person's unique profile. This shift towards personalized medicine enhances treatment efficacy, minimizes adverse reactions, and improves patient compliance, ultimately leading to better health outcomes.

03. Drug Interaction and Adverse Event Prediction:

Pharmacists rely on AI to identify potential drug interactions and predict adverse events. AI algorithms analyze patient records, medication histories, and relevant literature to flag potential risks and alert healthcare providers. This proactive approach helps prevent harmful drug interactions.

04. Supply Chain Management:

AI streamlines supply chain processes within the pharmacy sector. Predictive analytics enable accurate demand forecasting, optimizing inventory levels and minimizing the risk of stockouts or overstock situations. Automation of inventory management ensures the availability of essential medications, contributing to better patient care and satisfaction.

5.Clinical Decision Support Systems:

AI-driven clinical decision support systems assist healthcare professionals in making informed decisions. These systems analyze patient data, medical literature, and treatment guidelines to provide real-time recommendations for diagnosis and treatment. This not only aids pharmacists in ensuring accurate prescription dispensing but also contributes collaborative and integrated healthcare approach.

Conclusion:

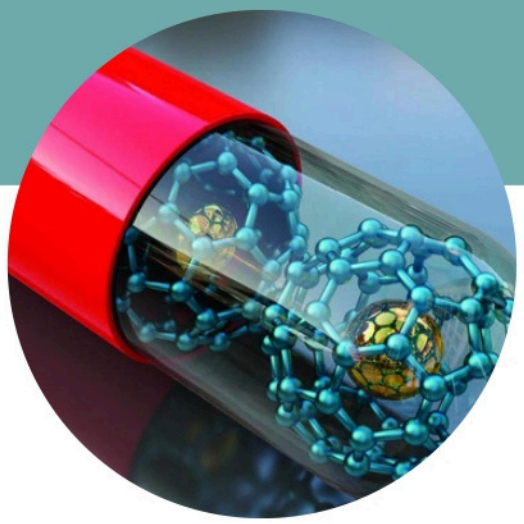
Artificial Intelligence is transforming the pharmacy sector by fostering innovation, improving patient care, and optimizing operational efficiency. From drug discovery and personalized medicine to supply chain management and patient engagement, AI has become an indispensable tool in the quest for a more effective and patient-centric healthcare system. As technology continues to advance, the synergy between AI and pharmacy will undoubtedly open new avenues for advancements, shaping the future of healthcare delivery.



Ummath Kulsum
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NANOMEDICINE

___THE FUTURE OF MEDICINE___

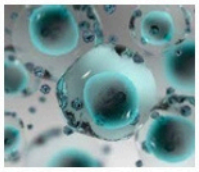


NANOMEDICINE refers to highly specific medical intervention at the molecular level for curing disease or repairing damaged tissue

The main application of nanomedicine includes **DRUG DELIVERY** : Using nanotechnology to deliver medicine, diabetic rats kept **stable blood sugar levels** for 10 days after injection

HOW NANOTECHNOLOGY IS LEADING TO BIG BREAKTHROUGHS IN PHARMACEUTICAL RESEARCH

1. PROMISING NANO-FORMULATION WITH IMPROVED ANTITUMOR EFFICACY



Most tumor-targeting drug delivery systems are affected by

- Drug leakage
- Low drug content

Mixed drug self-delivery system (DSDS) combining two versions of the anticancer drug Doxorubicin (DOX) which have **slow-release rate** and **enhanced anti-tumor efficacy**

2. NOVEL NANOSENSING METHOD FOR CLINICAL DIAGNOSIS AND DRUG ANALYSIS



Nano enzymes (artificial enzymes) have diverse beneficial applications

- Oxidase mimics
- Peroxidase mimics
- Catalase mimics

Molybdenum dislufide quantum dots (MQDs) : Nano enzymes with peroxidase (POD)-like activity posses **Nanosensor-based colorimetric platform for CPT detection in drug testing** and they are **Fracile, Rapid** and **Cost-effective**

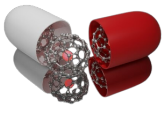
3. NANOPARTICLE-BASED FLUORESCENCE SENSOR FOR DETECTION OF WATER POLLUTANTS

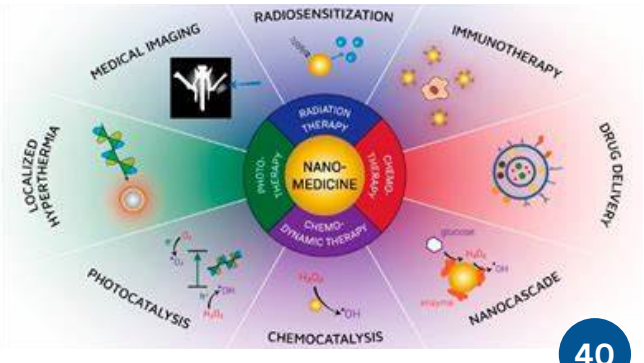
Carcinogenic heavy metal contaminant found in industrial waste water. Highly sensitive chromium detection in water samples show widespread applications in environmental and biological fields

Detection of chromium in water is done using carbon dots (CDs) synthesized from *Poria cocos* polysaccharide, a green source, affordable and easy to obtain

CANCER DIAGNOSIS AND TREATMENT

- Using microRNA from a patient's blood plasma and nanotechnology; medicinal professionals can determine if lung cancer is present and begin treatment the same day
- Using Nano-Therm therapy to overheat brain cancer cells helps to destroy them; In clinical trials those with recurrent glioblastoma survived a median of 13 months. More than double the survival rate of those who did not receive nano-Therm therapy





Keerthi JU
III year Pharm.D



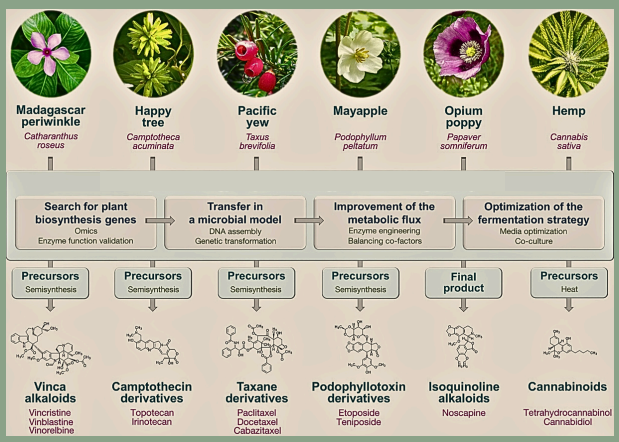
Medicinal plants against cancer treatment



Introduction:

Cancer is one of the deadly diseases which are characterized by the irregular cell proliferation The most common reason behind the cancer is lifestyle changes and therefore an urgent need to find a better treatment for the disease is required.

Cancer is one of the life-threatening diseases which creates major problem in both the developing and developed countries. Plant derived product has benefits over synthetic medicine which increased the utilization of medicinal plants in the healthcare sector as several plants' derived compounds show potential role against cancer treatment. Plant based anti-cancer agents includes vincristine, taxol, vinblastine, stigmasterol, camptothecin, resveratrol, etc., are in clinical use all over the world. In the present review, an effort has been made to provide the information about the role of various medicinal plants against cancer.





Conclusions:

Cancer is one of major problem in both developing and developed countries. Chemotherapy and radiation therapy cause various side effects therefore there is requirement of an alternative medicine to treat cancer. Medicinal plant contains various secondary metabolites which show their potential activity against various diseases. Anti-cancer agents derived from the plant source have largely contributed to the development of new drugs. This review provides the information about medicinal plants with their secondary metabolites that show Anti-cancer activity. So it can be concluded that herbal medicinal plants and its derivatives are active against different type of cancers.



Laxmesh N
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Anti-cancer of Medicinal Plants:

◉ Ardisia crenata:
It belongs to the Myrsinaceae family and commonly known as coral bush, spice berry, red berries and coralberry. It is commonly found in warm climate of tropical and sub-tropical regions. It contains cyclic depsopeptide triterpenoid saponins and alkenylphenol.

◉ Bacopa Monnieri:
It belongs to the Scrophulariaceae family and found throughout the plains in India. It is reported to contain tetracyclic triterpenoid saponins, bacosides A and B, herpestine, brahmine, flavonoids, stigmasterol.

◉ Centella asiatica:
It belongs to the Apiaceae family and commonly known as brahmamanduki in Hindi, mandukaparni in Sanskrit and pennywort in English. It is commonly found in India, Australia It contains numerous compounds such as asiaticoside, pecticacid, hydrocotyline, sterol, flavonoid, vallerine, ascorbic acid and thankunosides

◉ Piper longum:
It belongs to the Peparaceae family and used as a spice. Itcontains longumine and used for the treatment of cough, chronic bronchitis and cough. Piper longum extract showed inhibitory effects on the growth of Human lung cancer (HCC-827 cell line).

◉ Thymus vulgaris:
It belongs to the Lamiaceae family and commonly known as the German thyme or Garden thyme. Sertel et al. (2011) studied the cytotoxic activity of thyme against head and neck squamous cell carcinoma. The essential oils in Thyme induced cancer cell death by interferon signaling, N-glycan biosynthesis and extracellular signal-regulated kinase 5 (ERK5) signaling.

FORMULATION AND EVALUATION OF GERANIUM OIL CONTAIN CURCUMIN IN TOPICAL LOTION

Introduction: Herbal Lotion is a cosmetic preparation that give effective protection to skin and free from any toxicity .The majority of cosmetic lotions have a moisturizing effect, while others have anti-inflammatory, antibacterial, or sunscreen lotionproperties.

CURCUMIN:

The ginger family includes the rhizomatous herbaceous perennial plant known as turmeric (Curcuma longa). The primary natural polyphenol present in the rhizome of Curcuma longa (turmeric) and other Curcuma species is curcumin (1,7-bis(4-hydroxy-3- methoxyphenyl) 1,6-heptadiene-3,5-dione), also known as diferuloylmethane. Due to its antioxidant, anti inflammatory, antimutagenic, antimicrobial, and anticancerqualities,curcumalongahasbeenutilisedasamedicineforcenturiesinAsiannation





GERANIUM OIL:

Geranium , a plant species native to south Africa. According to folk core, it was used for a wide range of health conditions.. There are many varieties and strains of the pink flower with a fresh, floral fragrance Geranium oil is widely used as an ingredient in perfumes and cosmetics There's also anecdotal evidence about its benefits. It states to have anti-oxidant, anti-inflammatory, anti-bacterial, anti microbialandastringentproperties.

PROCEDURE:

- Cetosteryl alcohol ,ethyl hexyl cinnamate, caprylic, shea butter, glyceryl moinostearate heated at 80C while stirring.
- aqua , Dhruva extract , Disodium EDTA Added to above part(Cooled to 50-60C) while stirring.
- Caprylyl methicone added at 50C and homogenize the emulsion for approximately 30 mins.
- Aqua , liquorice extract , Aloevera lemon extract , curcumin are added. at 30-35C under agitation for another 30mins. Sodium hydroxide and ethyl hexyl glycerin are added and homogenize at 5000 rpm for 5 min.
- Further cool to room temperature (25C±0.5 C) and perfume and fragrance are added to the main vessel.
- Adjust the pH to 6.8-7.2pH using dilute Sodium hydroxide solution (0.1NaoH) if required.

EVALUATION PARAMETERS

- pH
- Thermal stability
- Irritability test
- Viscosity
- Total residue
- Microbial content
- Spreadibility

CONCLUSION:

The herbal moisturizing lotion prepared by oil in water type emulsion method and does not contain any foreign particles and passing by evaluationparameters.



Mrs. Vasia (Associate Professor)
Bhargav D N
Monirul Islam
IV year B.Pharm

EXPLORING THE THERAPEUTIC POTENTIAL OF MARINE-DERIVED DRUGS



Introduction: Marine organisms have long been a source of inspiration for drug discovery, with numerous pharmaceutical compounds derived from marine sources showing promise in treating various diseases. This article delves into the fascinating world of marine-derived drugs and their therapeutic potential in pharmacotherapeutics.

Bioactive Compounds from the Ocean:

- Discuss the rich biodiversity of marine organisms and their ability to produce bioactive compounds with diverse pharmacological properties.
- Highlight examples of marine-derived drugs currently in clinical use or under investigation, such as cytarabine (derived from a Caribbean sponge) for leukemia treatment and trabectedin (originating from a sea squirt) for soft tissue sarcoma.

Mechanisms of Action and Pharmacological Effects:

- Explore the mechanisms of action underlying the pharmacological effects of marine-derived compounds, including anticancer, antimicrobial, anti-inflammatory, and analgesic activities.
- Discuss how these compounds interact with specific molecular targets in disease pathways, potentially offering novel therapeutic strategies.

Challenges and Opportunities in Marine Drug Discovery:

- Address the challenges associated with marine drug discovery, including the difficulty of accessing and harvesting marine organisms, as well as the complex chemical structures of marine-derived compounds.
- Highlight innovative approaches, such as bioprospecting expeditions, metagenomics, and synthetic biology, that are being employed to overcome these challenges and accelerate the discovery process.

Clinical Applications and Future Perspectives:

- Provide an overview of the clinical applications of marine-derived drugs across different therapeutic areas, including cancer, infectious diseases, neurodegenerative disorders, and metabolic syndromes.
- Discuss ongoing clinical trials and research initiatives investigating the potential of marine-derived compounds as leads for new drug development.
- Speculate on the future prospects of marine drug discovery, including the exploration of uncharted marine environments, the development of sustainable harvesting techniques, and the integration of interdisciplinary approaches in drug design and optimization.

Sustainability and Conservation Considerations:

- Address the importance of sustainable practices in marine drug discovery to ensure the long-term preservation of marine ecosystems.
- Discuss initiatives aimed at responsible sourcing, habitat protection, and biodiversity conservation to mitigate the environmental impact of harvesting marine organisms for pharmaceutical purposes.

Synergistic Effects and Combination Therapies:

- Explore the potential synergistic effects of combining marine-derived compounds with conventional drugs or other natural products.
- Highlight preclinical and clinical studies investigating combination therapies to enhance efficacy, reduce toxicity, and overcome drug resistance in various disease conditions.

Drug Delivery Systems and Formulation Strategies:

- Discuss the challenges associated with the delivery of marine-derived drugs, such as poor solubility, stability, and bioavailability.
- Showcase innovative drug delivery systems and formulation strategies, such as nanoparticles, liposomes, and micelles, designed to improve the pharmacokinetic properties and therapeutic outcomes of marine-derived compounds.

Regulatory and Intellectual Property Issues:

- Examine the regulatory frameworks governing the development, registration, and commercialization of marine-derived drugs in different countries and regions.
- Address intellectual property considerations, including patent protection, licensing agreements, and technology transfer arrangements, to incentivize investment and innovation in marine drug discovery research.

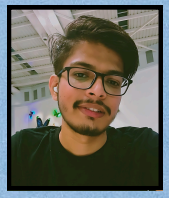
Patient Perspectives and Public Awareness:

- Explore the perspectives of patients and healthcare professionals regarding the use of marine-derived drugs in clinical practice.
- Discuss the importance of public awareness campaigns and patient education initiatives to foster understanding, acceptance, and trust in marine drug therapies as safe and effective treatment options.

Collaborative Partnerships and Knowledge Sharing:

- Highlight the significance of collaborative partnerships between academia, industry, government agencies, and non-profit organizations in advancing marine drug discovery research.
- Emphasize the importance of knowledge sharing, data sharing, and open-access initiatives to accelerate scientific progress, facilitate technology transfer, and promote equitable access to marine-derived drugs worldwide.

Conclusion: The exploration of marine-derived drugs represents a promising frontier in pharmacotherapeutics, offering a treasure trove of bioactive compounds with diverse therapeutic properties. By harnessing the power of the ocean's biodiversity, researchers and pharmaceutical companies can unlock new avenues for drug discovery and innovation, ultimately improving patient outcomes and advancing global health.



RUSHIKESH MALI
IV YEAR PHARM.D

GINGER

GINGER belongs to the family Zingiberaceae. It originated in South East Asia and then used in South East Asia and then used in many countries as a spice and condiment to add flavor to food Besides this the rhizome of ginger has also been used in traditional herbal medicine .

Ginger has staring potential for treating a number of ailments including degenerative disorders ,digestive health , cardiovascular disorders , vomiting , diabetes mellitus, and cancer. It also has anti-inflammatory and anti-oxidative properties for controlling the process of aging. Furthermore it has antimicrobial potential as well which can help in treating infectious diseases. Inflammatory disorders such as gastritis, esophagitis, and hepatitis, which are caused not only by infectious agents such as viruses, bacteria, and parasites but also by physical and chemical agents like heat, acid , cigarette smoke, and foreign bodies, are recognized as risk factors for human cancer .



HERE ARE SOME INTERESTING FACTS ABOUT GINGER

- The name “ginger” comes from the Old English word “gingifer”, which is derived from the Latin word “ZINGIBER”
- Ginger is a true rhizome, which means that it grows horizontally underground.
- Ginger rhizomes contain essential oils that give them their characteristic flavor and aroma.
- Ginger is a good source of vitamins C and A , as well as potassium and magnesium.
- Ginger has been used for centuries as a medicinal herb to treat a variety of ailments , including nausea , vomiting , motion sickness , and stomachache.

Ginger is also a popular ingredient in cosmetics and perfumes. Ginger is magnificent root with a rich history in traditional medicine. It possesses health benefits that can transform



Meghashree S
III year B.Pharm

Calotropis

CALOTRIPIS PROOCERA is present more or less throughout INIDA and in other warm dry places such as WARIZISTAN, AFGHANISTAN, EGYPT, AND TROPICALAFRICA
Its common names are AKRA, AKANAL,AND MADAR.

Scientific name: CALOTROPIC PROCERA
Family: APOCYNACEAE
Sub-family: ASCLEPIBACEAE

EXTRACT

The study on calotropis porcera leave sample extracted the airdried leaf powder with different solvents such as petroleum ether, benzene,chlorophorm, ethanol, and sterile water.

ESTIMATION

Quntitavive estimationof total ash value, acid insoluble ash and
water-soluble ash may serve as useful indication for identification for powdered drug

USES

- The leaves of calotropis porcera are said to be valuable as an antidot for snake bite, sinus fistula, rheumatism, mumps, burns, injury and body pain.
- They are also used for the treatment of jaundice.

MECHANISM OF ACTION:

CALOTRPIS inhibits the sodium potassium ATPase, this inhibition causes an increase in the sodium inside the cell and by the action of the sodium-calcium exchanger also raises the calcium concentration

TOXICITY: Severe corneal damage, vision loss, eye injury, should be avoided in pregnancy and breast feeding



PHARMACEUTICAL USES :

1. Anti-inflammatory Properties: Calotropis extracts have been studied for their anti-inflammatory effects, which can be useful in treating conditions like arthritis and other inflammatory disorders.

2. Antimicrobial Activity: Calotropis extracts have shown antimicrobial properties against various pathogens, making them potential candidates for developing antimicrobial agents.

3. Anticancer Potential: Some studies suggest that certain compounds found in Calotropis have anticancer properties, although more research is needed in this area.

4. Wound Healing: Calotropis extracts have been traditionally used for wound healing due to their potential to promote tissue regeneration and accelerate the healing process.

5. Antioxidant Effects: Calotropis contains antioxidants that can help neutralize free radicals in the body, which are implicated in various diseases.

6. Antidiabetic Activity: There is some evidence to suggest that Calotropis extracts may have antidiabetic properties, although more research is needed to understand their mechanisms of actio



Reefa shariha
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TULSI: A HOLY PLANT WITH HIGH MEDICINAL AND THERAPEUTIC VALUE

Introduction: Ocimum tenuiflorum (synonym: Ocimum sanctum), often known as holy basil, tulasi (also written thulasi), or tulsi, is a fragrant perennialplant in the Lamiaceae family. It is native to the Indian subcontinent and is widely cultivated in the Southeast Asian tropics. Tulasi is planted for religious and traditional medical uses, as well as for its essentialoil. It is frequently used as herbaltea, is widespread in Ayurveda,and has a position in Hinduism's Vaishnava tradition, in which adherentworship holy basil plants or leaves. It is an aromatic plant in the Labiatae family that is native to India and is commonlyfound as a tracheophyte across the SoutheastAsian tropics. It's an upright, multiple-branched plant, 30-60 cmtall.

Traditional uses:

Tulsi is also known as "the elixir of life" since it increaseslongevity. The plant is used in Ayurveda and Siddha medicine to treat a variety of ailments, includingcommon colds, headaches, coughs, influenza, earaches, fevers, colic pain, sore throats, bronchitis, asthma, hepatic diseases, malaria fever, flatulence, migraineheadaches, fatigue, skin diseases, wounds,insomnia, arthritis, and digestive disorders.

Botanical description:

This aromatic plant grows to a height of 30-60 cm when mature and is tall with many branches. The fragrant leaves can be simple, opposite, elliptic, oblong, obtuse, or acute,with whole, sub serrate, or dentate edges. They can grow up to 5 cm in length. Tulsi blossoms are tiny, purple to reddish, and clustered on cylindrical spikes. The base of each flower cluster has stalkless heart-shaped bracts. The inside surface of the sepal cup is hairless. Flowers are typically less than 5 mm long and have a bearded calyx tube around the base. Flower tube is hairy. Fruits are tiny, with yellow to reddish seeds.

Phyto-Chemicalcomposition:

The Extracting Ocimum sanctum leaves and stems revealed antioxidants as cirsilineol, circimaritin, isothymusin, apigenin, and rosameric acid, as well as significant amounts of eugeno. The leaves of Ocimum sanctum contain 0.7% volatile oil, including 71% eugenol and 20% methyl eugenol. The oil includes carvacrol and caryophyllene, a sesquiterpinehydrocarbon. Two flavonoids, orientin and andvicenin, were extractedfrom the aqueous leaf extract of Ocimum sanctum.



MEDICINAL OR THERAPEUTIC ACTIVITY

1.**Anticancer action**: Tulsi leaves, which contain high levels of eugenol, have been found to have anticancer effects. Eugenol's antitumor actions in various malignancies are mediated by a variety of mechanisms.
2.**Antidiabetic activity**: Ocimum sanctum leaves have long been used to treat diabetes mellitus. Dietary supplementation of fresh Tulsi leaves with a dosage of 2 gm/kg BW for 30 days resulted in considerable decrease of blood glucoselevels in the test group.
3.**Antilipidemic activity**: Basilicum decreases total cholesterol, triglycerides, and LDL-cholesterol levels in rats with acute hyperlipidaemia caused by triton WR- 1339 . In a Research done on rabbits, a diet supplemented with 1-2% fresh leaves of Tulsi for 28 days reducedtotal lipid.
4.**Antibacterial activity**: Reduce silver ions to silver nanoparticles with antibacterial activity against both Gram-negative and Gram-positive bacteria.
5. **Eye Disease**: Ayurvediceye drops containing Ocimum sanctum leaf juice and triphala are advised for treating glaucoma, chronic conjunctivitis, and other painful eyediseases. Adding three drops of tulsi oil to honey on a regular basis is said to improve vision.
6.**Mosquitocidal activity**: Mosquitocidal activityof Tulsi was investigated using its eugenol and
triglyceride (isolated from Tulsi's hexane extract) on fourthinstars. 7. Anti fertilityactivity

Conclusion: Studies show that Ocimum sanctum has pharmacological and therapeutic properties, making it beneficial in treating a variety of ailments. Future studies should focus on sacred basil'spotential for diseasecontrol.

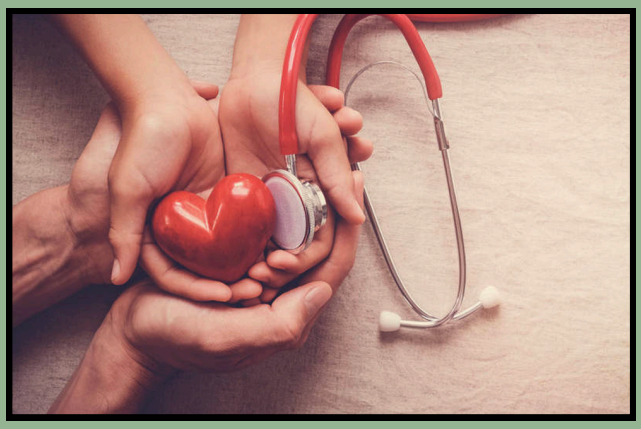


Ramvinay Prajapati
Vidyashree.N
IV year B.Pharm

ORGAN DONATION

" A Deed which can save up to 8 lives"

Organ donation is a noble act of transplanting healthy organs from a donor to a patient receiver. In most cases organ donations are performed after the donor's death but some organs can be donated even when the donors are alive.



DID YOU KNOW ?

You can donate organs if you are between 18 – 80 years of age. Your age is not a barrier to becoming organ and tissue donors.

ORGAN DONATION IN INDIA :

Data from 2015 shows that against the demand for 1.75 lakhs of kidney transplants, only 5000 transplants were done. Similarly, of 50,000 people dying of end – stage liver disease only 1000 got their liver transplanted.

Only 0.08% of Indians donate their organs.

•Organs can be preserved for a fairly short time between the removal and to the transplant into recipient :

Kidneys : 24 – 36 hours

Lungs : 4 – 6 hours

Heart : 4 – 6 hours

Liver : 8 – 12 hours



DEVIKA M
III year PHARM .D

DO YOU KNOW THE ORGANS AND TISSUES THAT CAN BE DONATED AND TRANSPLANTED?

Organs include – Liver, eyes, kidney, pancreas, heart, lungs, intestine and uterus.

Tissues include – Corneas, heart valves, bone marrow, skin, tendons, ligaments, cartilage, blood vessels, nerves.

Organs and tissues that you can donate while still alive include – Uterus, One kidney, A portion of liver, Gestation tissue (leftover tissue after the birth of new born).

SURPRISING FACTS ABOUT ORGAN DONATION :

•You can donate organs and tissues while you are alive.

•Chronically sick people can also become organ donors too, by determining what tissues or organs may be viable to donate.

DID YOU KNOW ?

You can donate organs if you are between 18 – 80 years of age. Your age is not a barrier to becoming organ and tissue donors.

•Your donated organs and tissues can help or save many more lives than you would think.

•The organ allocation works depending upon the number of factors including

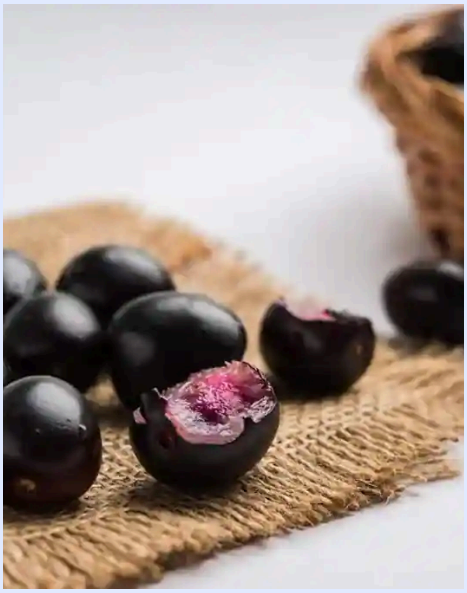
- Blood type match.
- Height and weight of both donor and recipient.
- Medical facts specific to the organ type.

SINCE WE CANNOT TAKE OUR ORGANS TO THE AFTERLIFE, THE BEST POSSIBLE WAY TO RECYCLE THEM IS DONATION.

SO BE A HERO AND DONATE !!!

UNREVEALED SECRETS OF JAMUN

Jamun commonly known as Malabar plum, Java plum, Black plum, Jambul or Jambolan is an evergreen tropical tree favoured for its fruit, timber and ornamental value.



WHAT DOES AYURVEDA SAY ?

According to Unani and Ayurvedic systems, JAMUN is beneficial in many digestive disorders. It has been proven that the leaves, bark, and seeds are popular for their ANTI – DIABETIC properties.

As per the traditional Ayurvedic medicine, the key ingredient that shows anti – diabetic action is JAMBOLINE, a chemical found in the seeds. Also, it has been proven that the extracts of barks, seeds and leaves help in the prolonged decrease of BLOOD SUGAR and GYCOSURIA.

Jamun's pharmacological activities in the Unani system of medicine include Astringent, Antidiabetic, Sexual tonic, and many others. The medication has been demonstrated to have antidiabetic action both in vivo as well as in vitro.

DID YOU KNOW?

·The polyphenols found in Jamun have been shown to have neuroprotective effects, potentially benefiting brain health.

·Jamun has been found to have antimicrobial properties, inhibiting the growth of certain bacteria and fung



BENEFITS OF JAMUN :

·The polyphenols found in Jamun have been shown to have neuroprotective effects, potentially benefiting brain health.

·Jamun has been found to have antimicrobial properties, inhibiting the growth of certain bacteria and fungi.

BENEFITS OF JAMUN FOR DIABETES –

In diabetic treated rats, the antidiabetic activity of jamun seed powder was observed as increase in body weight and improvement in peak blood glucose levels.

BENEFITS OF JAMUN FOR CHOLESTEROL –

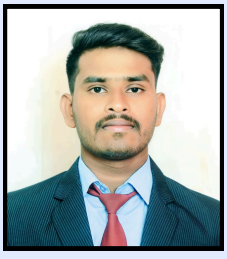
Treatment with jamun seed extract reduced the high levels of plasma lipids seen in diabetic rats to near – normal levels. By regulating the metabolism in

the liver and kidney, the oral treatment of jamun seed extract lowered serum Low – density Lipoprotein (LDL) and Very Low – density Lipoprotein (VLDL) cholesterol. It enhanced High – density Lipoprotein (HDL) cholesterol in diabetic rats. BENEFITS OF JAMUN AS AN ANTIOXIDANT –

The administration of jamun kernel extracts orally to diabetic people reduces the levels of certain Thiobarbituric acid reactive substances and Hydroperoxides in liver and kidney tissues to near normal levels.

BENEFITS OF JAMUN FOR GUT –

Jamun seeds extract reduces the acid and pepsin production in the stomach while increasing gastric mucosal glycoproteins in humans. It helps to lower stomach ulcer formation and allows for faster healing.



BALASUBRAMANYA HR
III year PHARM .D

ARECA NUT

Synonyms : Betal nuts; Pinang; Semina Areacae, Supari (Hindi).

Biological Source : Areca nuts are the seeds of Areca catechu Linn., belonging to family Palmaceae.

Geographical Source

The tree is cultivated in tropical India, Sri Lanka, Malay States, South China, East Indies, Philippine Islands and parts of East Africa (including Zanzibar and Tanzania).

In India it is cultivated in the coastal regions of southern Maharashtra, Tamil Nadu, Karnataka, Bengal an Assam.

Chemical Constituents

Areca nut contains a number of alkaloids of a piperidine series, such as arecoline (methyl ester of arecanine), arecaine (N-methyl guvacine), guvacine (tetrahydronicitinic acid), arecaidine, guvacoline, arecolidine, leucocyanidine, (+)-catechin, (-)-epicatechin, procyanidins A-l, B-l and B-2; phthalic, lauric, myristic, palmitic and stearic acids, β-sitosterol and choline. Arecoline is present in about 0.1-0.5% yield and is medicinally important. In addition to alkaloids, areca nuts contain fat (14%) and amorphous red tannin (15%) known as areca red of phlobaphene nature. The fat consists mainly of the glycerides of lauric, myristic and oleic acids.

Uses

Powdered Areca is used as anthelmintic, taenifuge and vermifuge for dogs. It has aphrodisiac action and useful in urinary disorders, as nervine tonic and emmenagogue. The chewing of Areca nut may cause mouth cancer.

Areca nut: medicine or toxic ?

While areca nut has been traditionally used in some cultures for its perceived medicinal properties, it's important to note that its use comes with potential health risks. Areca nut contains alkaloids, including arecoline, which has stimulant properties. Historically, it has been used for various purposes, such as promoting alertness and improving digestion.

However, research has linked areca nut consumption to several health issues, including an increased risk of oral cancers, cardiovascular problems, and other adverse effects. The World Health Organization (WHO) has classified areca nut as a Group 1 human carcinogen to humans.

Due to the associated health risks, it's crucial to approach the use of areca nut cautiously. If you are considering it for medicinal purposes, it is strongly recommended to consult with healthcare professionals who can provide personalized advice based on your health condition and the most up-to-date scientific evidence. Always prioritize evidence-based and safe approaches to healthcare.



As of my last knowledge update in January 2022, there isn't substantial scientific evidence supporting the idea that areca nut decreases hypertension or diabetes mellitus. On the contrary, there is more evidence associating areca nut consumption with adverse health effects.

Research has indicated that areca nut chewing is linked to various health risks, including an increased risk of oral cancers, cardiovascular issues, and metabolic disorders. The stimulant properties of areca nut, such as increased heart rate and blood pressure, suggest a potential negative impact on cardiovascular health.

For the most current and accurate information, I recommend checking recent medical literature or consulting with healthcare professionals who can provide the latest evidence-based guidance on the potential effects of areca nut on hypertension and diabetes mellitus. Always rely on the most up-to-date and reputable sources for health-related information.



Siddu K G
III year Pharm.D

"SPIRULINA (ARTHROSPIRA) BLUE GREEN ALGAE"

INTRODUCTION :-

Spirulina is the dried biomass of the cyanobacterium Arthrospira platensis. It has been widely used in several countries. Spirulina Arthrospira platensis is a unicellular microalgae which grows in freshwater, in Salt water, as well as in brackish bodies of water. It also grow in a highly alkaline environment of pH 10-12. Such a conditions currently exist in certain lakes in sub Saharan Africa and Formerly in Mexico and Central America.

Spirulina can be rod- or disk-shaped. Their main photosynthetic pigment is phycocyanin, which is blue in colour. These bacteria also contain chlorophyll A and carotenoids. Some contain the pigment phycoythrin, giving the bacteria a red or pink colour. The size of this microscopic organism is between 300 to 500 microns (0.3 – 0.5mm).

In this study use the spirulina which is one of the blue-green algae protect against osteoporosis and blood diseases as well as a high percentage of natural fibers. So, the spirulina is useful and necessary for the growth of infants and very suitable for children, especially in the growth phase, the elderly and the visually appetite. It also, helps a lot in cases of general weakness, anemia and chronic constipation.

BIOCHEMICAL COMPOSITION –

VITAMINS PRESENT IN SPIRULINA		COMPOSITION	
VITAMIN -A(IU)	375,000 (IU)	TOTAL CALORIES (KCAL)	333 (KCAL)
VITAMIN B12 (UG)	300 (UG)	TOTAL FAT (G)	5 (G)
CALCIUM (MG)	333 (MG)	PROTEIN (G)	67 (G)
IRON (MG)	217(MG)	TOTAL CARBOHYDRATE (G)	16 (G)
TOTAL CAROTENOIDS (MG)	500(MG)	FIBER (G)	7 (G)
		MOISTURE (G)	5(G)



USES OF SPIRULINA –

1. Rich in many nutrient:
   A single tablespoon (tbsp.), or 7 g, of dried spirulina powder contains:
   ● Protein: 4 g ● Thiamin: 14% of the Daily Value(DV) ● Riboflavin: 20% of the DV ● Niacin: 6% of the DV ● Copper: 47%
2. Spirulina have anti-cancer, antiviral, anti allergic properties
3. It support blood sugar control
4. Spirulina used to improve muscle strength
5. Effective against anemia
6. Powerful antioxidant and anti-inflammatory properties
7. Enhance the energy
8. Improve body functions

SIDE-EFFECTS OF SPIRULINA –

Some minor side effects of spirulina Arthrospira may include following
- Nausea
- Insomnia
- Headaches
- Vomiting

SCIENTIFIC CLASSIFICATION OF SPIRULINA

Domain	Bacteria
Kingdom	Archaeplastida
Division	Cyanobacteria
Class	Cyanophyceae
Order	Oscillatoriales
Family	Pseudanabaenaceae
Genus	Spirulina
Scientific name	Arthrospira

CONCLUSION –

Spirulina is highly nutritious and shows great diversity and higher concentrations of nutrients compared to other food sources. The present review concludes that the Spirulina is used as a potential health food in human diet and used in food industry. It is a super food and a best dietary source for the malnutrition. It lowers Celestin, suppresses fatty accumulation in the liver, prevents tumor formation, enhances the immune system and protects kidneys. S.platensis are known to contain an excellent source of minerals, especially calcium and potassium, proteins, carbohydrates, essential fatty acids, vitamins, minerals, carotenes, chlorophyll a and phycocyanin. Therefore Spirulina could be used as medicine for diseases as well as daily nutrient source.



Prerana. M. Biradar
III year B.Pharm

ANTINOCICEPTIVE ACTIVITY OF LEUCAS ASPERA



Leucas Aspera is commonly known as Thumbai, available in almost all parts of Karnataka. Ethanolic extract of Leucas asperaroot has been shown tohave antinociceptive property. Antinociceptive agents are capable to diminishing pain without any negative effect on consciousness. Its antinociceptive action is pharmacologically mediated through the control of many pathways, one of which is the suppression of inflammatory mediators such as prostaglandins and cytokines.



Leucas aspera contains compounds such as flavonoids and alkaloids, which are thought to interact with pain perception processes to contribute to the plant's analgesic benefits. The ethanolic extract of Leucas aspera root wastested for antinociceptive properties using the brine shrimp lethality bioassay, 1,1-diphenyl-2-picryl hydrazyl (DPPH) free radical scavenging assay, and acetic acid-induced writhing inhibition. When mice were given acetic acid to induce writhing, the extract significantly reduced the amount of writhing at dosages of 250 and 500 mg/kg.



Nithya A T
III year B.Pharm

ISABGOL HUSK A HERBAL REMEDY FOR HUMAN HEALTH



Isabgol derives from the words asp and ghol which in Sanskrit mean horse flower .Isabgol consist of dried seeds of the plant known as Il Plantago ovata and family Plantaginaceae and it is a indigenous natural dietary fiber, the husk mucilage is a clean ,colorless, gelling agent, it consist of 85% of water soluble fiber and it is made up of polysaccharide.it is used in Various kinds of diseases conditions like chronic constipation, diarrhea, inflammation of mucous membrane of GI , gonorrhea, piles etc.

It has been traditionally used as medicine and is now being utilized in the pharmaceutical industry due to its cholesterol-lowering properties.When it is applied to the skin with aloe vera gel helps in managing acne and pimple .If consumed in the absence of sufficient fluid it swell up later and may block the throat or oesophagus.it is not suggested to the person who are trouble swallowing or throat problems.

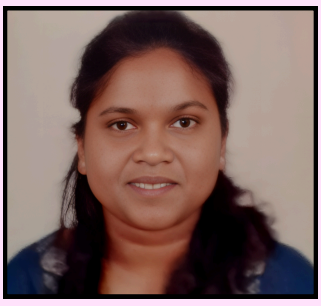
Sed metus nunc, pellentesque non tincidunt a, ornare vel eros. Quisque accumsan commodo elit, ac tristique arcu mattis et. Nulla felis eros, hendrerit id nisl id, tincidunt ornare nibh. Ut id arcu turpis. Ut congue efficitur odio, in blandit dui malesuada eget. Proin vel diam bibendum.

It's role in promoting bowel regularity and supporting heart health due to its cholesterol- lowering effects.One of the most common and convenient ways of consuming isabgol it powder form. Just 1-2 tablespoons a day with warm water.5-10 grams of powder added to milk and water taken twice a day.



CONCLUSION

Isabgol husk a natural edible polymer, being used for centuries for treating various health condition, Isabgol has constantly maintained its reputation as an effective household remedy Isabgol is undoubtedly considered one of the best addition to a high fiber diet



N SUSHMA
III year PHARM .D

MEFENAMIC ACID !



HISTORY: Mefenamic acid, an NSAID was first synthesized in 1961 by Parke Devis, gained approval for medical use in US in 1967 for its anti-inflammatory and analgesic property. Mefenamic acid is primarily used to relieve pain associated with the condition like menstrual cramp It works by inhibiting prostaglandin synthesis which plays a role in inflammation and pain.

EOSINOPHILIA:

Mefenamic acid is well tolerated and there is increase in eosinophil count in the blood. Eosinophilea is an abnormal immune system response and may indicate an allergic reaction or inflammation. AGEP - Mefenamic acid induced acute generalized exanthematous pustulosis. It is a sevear cutaneous adverse reaction, characterized by an acute postular erruption over the body along with fever and leukocytosis.

NEPHROTOXICITY: Drug points: Mefenamic acid causes Nephropathy—acute renal failure in overdose. A 30year old man, previously well and taking no regular medication, was admitted collapsed, having taken about 50- 250 mg mefenamic acid tablets (12-5 g). he was restless and agitated, had a depressed level of consciousness, and had a blood pressure of 110/80 mmhg.

He rapidly developed generalised tonic-clonic convulsions requiring intravenous diazepam and later chlormethiazole. Serum biochemistry values on admission were normal, and neither salicylate nor paracetamol was detected. twenty four hours later he developed bloody diarrhoea, abdominal pain, and vomiting lasting 18 hours. He remained well hydrated and normotensive and received intravenous fluids and oral antacids. Twenty four hours after admission the serum creatinine concentration rose to 366 mol/l, peaking at 804 ml five days after the overdose and subsequently falling steadily to 221 mol/l over the following week. The serum urea concentration rose to a maximum of 21 mmol/l. *Creatinine clearance four days after admission was 15 ml/min, rising to 54 ml/ 11 days after the overdose. Neither casts nor myoglobin was present in the urine and the serum creatine phosphokinase value peaked at only 248 u/l (normal< 10 u/1).Conservative treatment for acute renal failure was started and dialysis was not required. Four days after admission he developed severe bilateral loin pain and microscopic haematuria. Renal ultrasound showed no evidence of obstruction and intravenous urography showed normal kidneys. Serial mefenamic acid measurements showed a peak of 46 mg/l on admission, falling to 4 mg/l 21 hours later and becoming undetectable within 27 hours. Expected therapeutic concentrations are up to 10 mg/l.*



CNS TOXICITY: Case reports and small case series suggests increased toxicity especially Convulsion after the overdose of mefenamic acid compared to other NSAIDs, although comparative epidemiological studies have not been conducted. It has been reported in the telephone enquiries to the UK National Poison Information Series(NPIS).

METHODS: NPIS telephone enquiries related to mefenamic acid received between jan 2002 and dec 2013 were analysed comparing the frequency of reported CNS toxicity using multivariable logistic regression.

RESULTS:

Out of 22,937 patient specific telephone enquiries 10398 did not involve co-ingestion of other substances. Patients taking mefenamic acid were younger and more commonly female. Prediction of CNS taxicity included reported dose and age, but not gender.

CONLUSION:

Over dose of mefenamic acid is much higher and dose related risk of CNS taxicity, especially convulsion. The benefit risk profile of mefenamic acid should now being re-evaluated in terms of effective and less taxic aditive

File No. P.17019/01/2023-DA **Dated: November 30, 2023**

Monthly Drug Safety Alert

The preliminary analysis of Adverse Drug Reactions (ADRs) from the PvPI database revealed the following:

Table

S. No.	Suspected Drug	Indication	Adverse Drug Reaction
1	Mefenamic Acid	Treatment of rheumatoid arthritis, osteoarthritis, dysmenorrhoea, mild to moderate pain, inflammation, fever, dental pain.	Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS) Syndrome.

Healthcare Professionals, Patients/Consumers are advised to closely monitor the possibility of the above ADR associated with the use of above suspected drug. If, such reaction is encountered, please report to the NCC-PvPI, IPC by filling of Suspected Adverse Drug Reactions Reporting Form/Medicines Side Effect Reporting Form for Consumer (http://www.ipc.gov.in), through Android Mobile App **"ADR PvPI"** and **PvPI Helpline No. 1800-180-3024.**



Harshitha S
Harshitha M
IV year B.Pharm

MEDICAL ADVANCEMENTS THROUGHOUT THE HISTORY

Each, revolutionary medical discovery has brought us a crucial step closer to understanding the complex mysteries of disease and medicine. As a result, we have been able to develop medical breakthrough treatments that have been instrumental in saving millions of lives.

Here's a chronological list of the top medical advances in history so far :

VACCINES – [1769 by EDWARD JENNER]

•Throughout the 1800s and early 1900s ,various vaccines were created to combat some of the world's deadliest diseases, including smallpox, rabies, tuberculosis and cholera.

•Over the course of 200 years, one of the deadliest known to man – the smallpox was wiped off the face of the earth.

ANAESTHESIA – [1846 by WILLIAM T.G MORTON]

•William made a history when he successfully used ETHER as an anaesthetic during surgery. Soon CHLOROFORM was used but was considered higher risk after several fatalities were reported.

•Since 1800s, safer anaesthetics have been developed allowing million life – saving, painless operations to take place.

MEDICAL IMAGING – [1895 by WILHEIM CONRAD RONTGEN]

•The 1st medical imaging machines were X- RAYS.

•ULTRASOUND was originally discovered many years before but its use began in 1955.It uses high frequency sound waves to create a digital image.

•In 1967, COMPUTED TOMOGRAPHY [CT] scanner was created, which uses X-ray detectors and computers to diagnose many diseases.

ARTIFICIAL INTELLIGENCE [21ST CENTURY]

•AI has already produced impressive technologies that have significantly altered the healthcare landscape.

•Applications of AI are broad, from disease diagnosis and drug discovery to personalized treatment plans, patient monitoring and human – like chatbots are easing the medical field as time goes on.



GAYATHRI DEVI
III year PHARM .D



ANTIBIOTICS - [1928 by ALEXANDER FLEMMING]

•PENICILLIN is the world's first Antibiotic, that completely revolutionized the war against deadly bacteria.

•Mass production was done during WORLD WAR II

•Two other scientists, HOWARD FLOREY and ERNST CHAIN and their development ended up saving millions of lives.

ORGAN TRANSPLANTS - [1954]

•1ST successful KIDNEY transplant was carried out by Dr JOSEPH MURRAY and Dr DAVID HUME .

•The 1st LUNG transplant was carried out in 1963, the PANCREAS in 1966 and then followed by LIVER and HEART in 1967.

IMMUNOTHERAPY - [1970s]

•This began in 1890s when WILLIAM B COLEY injected inactive bacteria into cancerous tumours achieving remission in patients.

•In the 1970s, ANTIBODY THERAPIES were developed and in 1991, researches produced the 1st CANCER VACCINE which was approved by the FDA in 2010.

STRATERGIC TRENDS IN DRUG INDUSTRY

Today, there are fewer large pharmaceutical companies and also fewer differences between the remaining companies than was the case 20 years ago. The closeness of the industry to medical biological science and their willingness to submit to the rigor and discipline of good science is being replaced by a marketing dogma in which R&D is degraded to a tool for generating medicines that qualify as blockbusters.

Changes in big Pharmaceutical industry:



1) Attempt to obtain and strengthen global reach.
2) Concentrate on compounds that are likely to generatesales in excess of one billion dollars per annum at peaksales or more.
3) Try to focus the R&D budget on the identification and development of such compounds.
4) Work in areas in which blockbusters are likely to emerge; discontinue work that does not satisfy the above criteria.
5) Overcome the influence of competitive compounds that are likely to emerge by sheer marketing power.

Strategies for future:



Marketing and medical needs most big pharma companies have embarked on strategies that aim primarily at profitability. The tool that is most prominently employed to implement this strategy is marketing. Marketing departments articulate their 'needs' on the basis of their relative positions in different world markets. The medical needs of patients and scientific opportunities as they emerge from an open process of scientific enquiry have become secondary considerations. This attitudenot only represents a reversal of the process of scientificinnovation but also marks a significant deviation from the way in which pharma companies operated two or three decades ago.

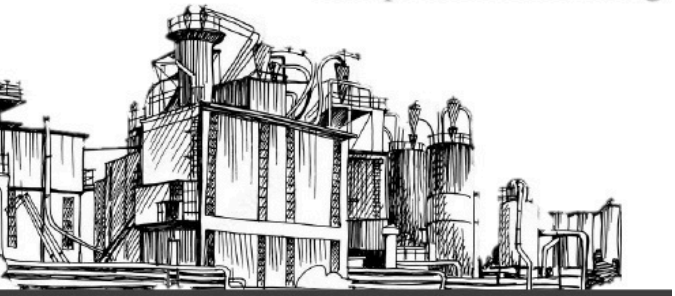
The Biotech industry:

By elucidating the sequence of the human genome, and the genomes of various pathogenetic agents – such as bacteria and viruses – genomics would help to identify a host of novel targets for drug therapy. By using modern genetic techniques, such as gene knockouts, knock-ins, anti-sense RNA, inhibitory RNA and analysis of gene expression drug researchers would beable to 'validate' these new targets The value of every technology that is offered by small biotech companies, whether it is related to genomics, proteomics, chemistry, enzymes, receptors or other subjects, must be assessed by asking the following questions:

(1) How much does the new technology help to solve one of the two central problems: the identification and val□idation of a disease-specific target or the identification of a molecule that can modify this target in a way thatmakes therapeutic sense? 2) How quickly can this positive effect be implemented?

3)How broadly can new echnology be applied?

Conclusions: The first tier of biotech companies is likely to become the most effective segment of the drug industry. At present,this group combines considerable innovative potentialwith a high degree of professionalism. Like no other segment of the drug industry, the first tier of biotechnology has provided drugs that made a difference to patients, not only in convenience or in minor details but also in quality years added to lives. antithrombotic enzymes like tissue plasminogen activator (tPA) are today indispensible in dealing with acute myocardial infarctions and ischemic strokes.



Jnanendra K Y
IV year B.Pharm



MEDICATION RECONCILIATION: SAFEGUARDING PATIENT SAFETY DURING TRANSITIONS OF CARE



Introduction:

Medication reconciliation is a critical process in healthcare aimed at ensuring the accuracy and continuity of patients' medication regimens during transitions of care. As patients move between different healthcare settings, such as hospitals, clinics, and long-term care facilities, there is a risk of discrepancies, omissions, or duplications in their medication lists. These discrepancies can lead to adverse drug events, medication errors, and compromised patient safety. The medication reconciliation process can significantly lower the incidence of medication errors that may arise from an incomplete or inaccurate medication history as well as reductions in length of hospital stay, patients' readmissions and lower healthcare costs

Importance of Medication Reconciliation:

Medication reconciliation plays a pivotal role in preventing medication-related harm and optimizing therapeutic outcomes for patients. By systematically comparing patients' medication histories across care settings, healthcare providers can identify discrepancies and discrepancies in drug therapy, including changes made during hospitalizations, emergency department visits, or transitions to home care. This process is particularly crucial for vulnerable populations, such as elderly patients, individuals with multiple comorbidities, and those taking complex medication regimens. Ensuring the accuracy and continuity of medication information promotes medication safety, adherence, and effectiveness, ultimately reducing the risk of adverse events and hospital readmissions.

Principles and Process of Medication Reconciliation:

Medication reconciliation involves a systematic approach to obtaining, verifying, and documenting patients' medication information to facilitate safe transitions of care. The process typically begins with the collection of a comprehensive medication history, including prescription medications, over-the-counter products, herbal supplements, and vitamins. Healthcare providers must gather information directly from patients or caregivers, as well as from various sources such as community pharmacies, electronic health records, and previous medical records. Once collected, medication information undergoes a thorough review and reconciliation process to identify drug discrepancies. This may involve comparing the medication list obtained from the patient with the information documented in the medical record, verifying dosages, frequencies, and routes of administration, and resolving any discrepancies through collaboration with the patient's healthcare team. Furthermore, medication reconciliation extends beyond documentation to include patient education and counselling regarding medication changes, adherence strategies, and potential side effects. Pharmacists, as medication experts, play a crucial role in leading medication reconciliation efforts, ensuring the accuracy and completeness of medication records and promoting patient understanding and engagement in their treatment plans

Challenges and Barriers:

Despite its importance, medication reconciliation faces several challenges and barriers in clinical practice. These may include time constraints, inadequate communication and coordination among healthcare providers, limited access to accurate medication information, and reliance on outdated or incomplete documentation systems. Moreover, patient factors such as cognitive impairment, language barriers, and health literacy issues can further complicate the reconciliation process. Addressing these challenges requires interdisciplinary collaboration, standardized protocols, and the integration of technology solutions to streamline medication reconciliation workflows and enhance the accuracy and efficiency of the process.

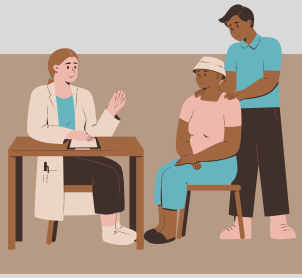
In conclusion, medication reconciliation is a vital component of patient safety during transitions of care, helping to prevent medication errors and adverse drug events. Moving forward, healthcare organizations should prioritize the implementation of evidence-based practices, staff education, and quality improvement initiatives to strengthen medication reconciliation processes and promote safer transitions of care for all patients.

References:

1. Alghamdi DS et.al. Implementation of medication reconciliation at admission and discharge in Ministry of Defense Health Services hospitals: a multicentre study. BMJ Open Qual. 2023 Jun;12(2):e002121.
2. Stolldorf DP, Ridner SH, Vogus TJ, et al. Implementation strategies in the context of medication reconciliation: a qualitative study. Implement Sci Commun. 2021;2:63



GEETA MOGER
PHARMD INTERN



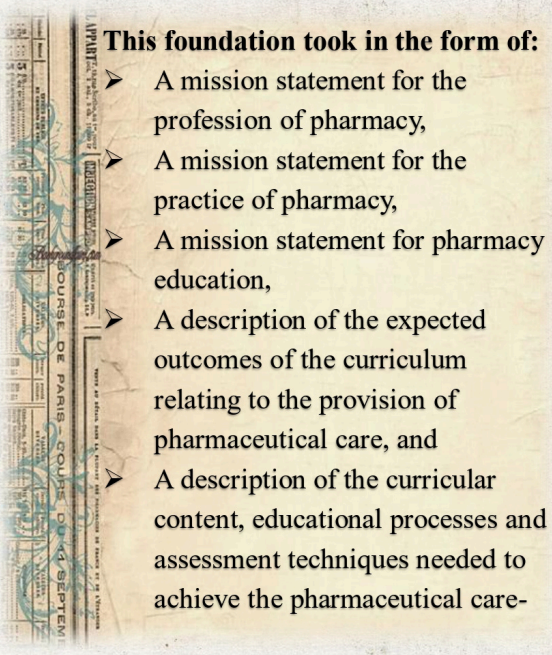
FUTURE TRENDS IN PHARMACY EDUCATION

Harmonization of pharmacy education has to be made a global agenda that will encompass the developments that have taken place in basic, medical, pharmaceutical sciences in serving the needs and expectations of the society.
content and education processes.

Designing a pharmaceutical care-based curriculum:

For designing a pharmaceutical care-based curriculum, several groups have recognized the need to link pharmacy practice functions and educational curricula, the most recent to undertake this task was the American Association of College of Pharmacy's (AACP) Commission to Implement Change in Pharmaceutical Education.The Commission was established to

- Define the missions of the profession, pharmacy practice and pharmacy education.
- Describe an entry level degree, curricular outcomes, curricular content and education processes.



This foundation took in the form of:

- A mission statement for the profession of pharmacy,
- A mission statement for the practice of pharmacy,
- A mission statement for pharmacy education,
- A description of the expected outcomes of the curriculum relating to the provision of pharmaceutical care, and
- A description of the curricular content, educational processes and assessment techniques needed to achieve the pharmaceutical care-



Mission statement for the profession:

The mission of the profession is to accept responsibility for the drug-related needs of patients in society. These needs are met by pharmacists fulfilling their responsibilities at:

- ✓ The patient-specific level through the practice of pharmacy (specifically, pharmaceutical care);
- ✓ The professional level through education, research, and the development of policies and standards;
- ✓ The societal level through research, public education, and policy development.

Although this mission statement indicates that pharmacists have practice responsibilities at the patient specific level, it does not define clearly enough the parameters of these patient-specific responsibilities. Hence, the need for a practice mission statement.

Mission statement for practice:

The mission of pharmacy practice is to assure that a pharmacist meets each individual patient's drug related needs through the delivery of pharmaceutical care. Mission statement for pharmaceutical education A mission statement for pharmaceutical education was necessary to establish the link between pharmacy practice and educational outcomes

Conclusion:

future trends in pharmacy education are likely to emphasize digitalization, personalized learning, and increased integration of technology. Collaboration with healthcare teams and a focus on practical skills will also be essential for preparing pharmacists to meet evolving healthcare demands. Continuous adaptation to technological advancements and a patient-centered approach will be key in shaping the future landscape of pharmacy education.



Roopesh K
IV year B.Pharm

EXPLORING LUCRATIVE AND RARE CAREER OPPORTUNITIES AFTER PHARM.D EDUCATION

A Doctor of Pharmacy (Pharm.D) degree opens doors to a multitude of career opportunities, ranging from traditional pharmacy roles to specialized and lucrative positions in various sectors. While pharmacists are commonly associated with dispensing medications and providing patient care, there exist rare and high-paying career paths that leverage the advanced education and expertise acquired through Pharm.D programs. In this essay, we will delve into some of these uncommon yet financially rewarding jobs available to pharmacists.

Rare High-Paying Career Opportunities:

1. Pharmaceutical Industry Consultant: Pharmaceutical Industry Consultants provide strategic guidance and expertise to pharmaceutical companies on a wide range of issues, including drug development, market access, regulatory compliance, and commercialization strategies. With their extensive knowledge of pharmaceutical sciences and healthcare systems, pharmacists can command high salaries in consultancy roles, especially if they possess specialized expertise in areas such as pharmacoeconomics, pharmacogenomics, or regulatory affairs.

2. Pharmaceutical Research Scientist: Pharmaceutical Research Scientists play a pivotal role in drug discovery and development, conducting preclinical and clinical research to identify and evaluate potential therapeutic agents. Pharmacists with a passion for research and a strong background in pharmacology, medicinal chemistry, or drug delivery systems can pursue lucrative careers in pharmaceutical research, working for biotechnology companies, contract research organizations (CROs), or academic institutions.

3. Medical Affairs Director: Medical Affairs Directors oversee medical strategy and scientific communication initiatives within pharmaceutical companies, ensuring that products are supported by robust clinical evidence and aligned with regulatory guidelines. Pharmacists with clinical expertise, advanced communication skills, and a deep understanding of drug development processes can ascend to leadership roles in medical affairs departments, commanding high salaries and substantial benefits.

4. Healthcare Data Scientist: Healthcare Data Scientists analyze large datasets to extract actionable insights that inform decision-making in healthcare delivery, patient outcomes, and population health management. Pharmacists with expertise in data analytics, epidemiology, and health informatics can capitalize on their clinical knowledge and quantitative skills to pursue lucrative careers as healthcare data scientists, working for healthcare organizations, research institutions, or technology companies.

5. Pharmacy Benefit Manager (PBM) Executive: Pharmacy Benefit Manager Executives oversee the administration of prescription drug benefits for health insurance plans, employers, and government programs, negotiating drug pricing, formulary management, and utilization management strategies. Pharmacists with business acumen, regulatory expertise, and a deep understanding of pharmacy operations can ascend to executive positions within PBMs, commanding high salaries and bonuses based on performance metrics.

6. Clinical Trial Manager: Clinical trial managers oversee the planning, execution, and monitoring of clinical trials to ensure compliance with regulatory requirements and adherence to study protocols. They coordinate multidisciplinary teams, manage study budgets, and oversee data collection and analysis. Clinical trial managers are in high demand within the pharmaceutical industry and clinical research organizations, offering lucrative compensation packages commensurate with their responsibilities.

7. Pharmacovigilance Specialist: Pharmacovigilance specialists are responsible for monitoring and assessing the safety of pharmaceutical products throughout their lifecycle. They conduct surveillance of adverse drug reactions, evaluate safety data, and implement risk mitigation strategies. Pharmacovigilance specialists play a critical role in ensuring patient safety and regulatory compliance, making them highly sought after in the pharmaceutical industry with competitive salaries.

8. Medical Science Liaison (MSL) Director: MSL directors lead teams of medical science liaisons responsible for providing scientific and medical expertise to key stakeholders, including healthcare professionals, researchers, and opinion leaders. They develop strategic plans, oversee field activities, and ensure alignment with organizational goals. MSL directors possess advanced clinical knowledge and leadership skills, commanding substantial compensation packages reflective of their responsibilities and expertise.

9. Pharmacoeconomic Analyst: Pharmacoeconomic analysts evaluate the cost effectiveness and value of pharmaceutical interventions, conducting health economic evaluations and outcomes research. They assess the economic impact of drugs on healthcare systems, payer organizations, and patient populations. Pharmacoeconomic analysts are highly valued for their ability to inform decision-making and resource allocation, commanding high salaries in pharmaceutical companies, consulting firms, and healthcare organizations.

10. Clinical Pharmacologist: Clinical pharmacologists are experts in the study of drug actions and interactions in humans. They often work in academic institutions, pharmaceutical companies, or research organizations, conducting clinical trials, pharmacokinetic studies, and drug metabolism research. Clinical pharmacologists with Pharm.D backgrounds and specialized training in clinical research or pharmacokinetics command high salaries due to their expertise in designing and analyzing clinical studies and interpreting pharmacological data.

11. Clinical Pharmacy Specialist in Industry: Clinical Pharmacy Specialists in industry work for pharmaceutical companies, biotech firms, or contract research organizations, providing clinical expertise in drug development, medical affairs, or pharmacovigilance. Pharm.D graduates with specialization in clinical pharmacy, pharmacotherapy, or pharmacogenomics are valued for their clinical knowledge and experience, as they contribute to the design, implementation, and evaluation of clinical studies, drug safety monitoring, and medical information dissemination.

Conclusion: In conclusion, while rare, high-paying job opportunities abound for Pharm.D graduates who possess specialized skills, expertise, and a willingness to explore unconventional career paths. From Pharmaceutical Consultants and Clinical Research Directors to Pharmaceutical Patent Attorneys and Healthcare Data Scientists, these rare roles offer lucrative compensation packages and rewarding career trajectories. By leveraging their clinical knowledge, regulatory understanding, and analytical abilities, pharmacists can carve out niche positions in the pharmaceutical industry, academia, and beyond, while enjoying the financial rewards that come with these rare opportunities.

Certainly! Here are some companies and organizations that offer training and development programs for pharmacists seeking specialization after completing their Pharm.D education:

1. CVS Health: CVS Health offers various residency and fellowship programs for pharmacists, including specialized training in areas such as ambulatory care, community pharmacy practice, managed care, and more.

2. Walgreens: Walgreens offers postgraduate residency programs in community pharmacy, specialty pharmacy, managed care, and other areas of specialization.

3. Hospital Systems: Many hospital systems offer residency programs for pharmacists, providing training in areas such as clinical pharmacy, critical care, infectious diseases, oncology, and others. Examples include the Mayo Clinic, Cleveland Clinic, and Johns Hopkins Hospital.

4. Pharmaceutical Companies: Pharmaceutical companies often have fellowship programs for pharmacists interested in industry roles, such as medical affairs, drug safety, regulatory affairs, and pharmacovigilance. Companies like Pfizer, Novartis, and GlaxoSmithKline offer such programs.

5. Academic Institutions: Some universities and colleges offer postgraduate training programs for pharmacists, including residencies and fellowships in various specialties such as academia, research, and clinical practice.

6. Professional Associations: Organizations like the American Pharmacists Association (APhA), American Society of Health-System Pharmacists (ASHP), and American College of Clinical Pharmacy (ACCP) offer resources and training programs for pharmacists seeking specialization in their respective fields.

7. Government Agencies: Agencies like the Food and Drug Administration (FDA) and the Centers for Disease Control and Prevention (CDC) may offer training opportunities for pharmacists interested in public health, regulatory affairs, or related areas.

8. Managed Care Organizations: Companies specializing in managed care often provide residency programs for pharmacists interested in health plan management, formulary management, medication therapy management, and related areas.

These are just a few examples, and there may be other companies and organizations offering specialized training and development programs for pharmacists depending on their areas of interest and career goals.



ARIJIT HALDAR
IV year Pharm.D

PHARMACEUTICAL INDUSTRY



The relationship between health and the pharmaceutical industry is reinforced by the need for effective treatments and vaccines during health crises. The COVID-19 pandemic serves as a recent example, highlighting the critical role of pharmaceutical companies in developing vaccines at an unprecedented pace to protect global health. Collaborations between governments, researchers, and pharmaceutical companies are essential to responding swiftly to emerging health threats.

Despite these positive contributions, challenges exist within the health and pharmaceutical landscape. Affordability and accessibility of medications remain significant concerns, particularly in low-income regions. Striking a balance between profit motives and ensuring equitable access to essential medicines is an ongoing global challenge that requires collaboration and innovative solutions. Moreover, the rise of lifestyle-related diseases and the increasing burden of non-communicable illnesses underscore the need for a holistic approach to health. Beyond pharmaceutical interventions, promoting healthy lifestyles, preventive measures, and robust healthcare systems are crucial components of a comprehensive strategy to improve public health.

In conclusion, the health and pharmaceutical sectors are intricately linked, with advancements in pharmaceuticals playing a pivotal role in shaping the landscape of public health.



Aishwarya S
II year B.Pharm

The pharmaceutical industry, commonly known as "pharma," is a dynamic and multifaceted sector that plays a vital role in global healthcare. This essay delves into the key aspects of the pharmaceutical industry, including its functions, challenges, and impact on society. At its core, the pharmaceutical industry is dedicated to the discovery, development, production, and distribution of medications. These medications, ranging from simple pain relievers to sophisticated treatments for complex diseases, are integral to maintaining and improving human health. The industry's primary goal is to innovate and bring safe and effective drugs to market, addressing diverse medical needs.

Health and pharmaceuticals are intertwined elements crucial for the well-being of individuals and the broader society. This essay explores the dynamic relationship between health and the pharmaceutical industry, emphasizing their interdependence and impact on public welfare

Health is a fundamental aspect of human existence, encompassing physical, mental, and social well-being. The pursuit of good health is a shared goal globally, and individuals, communities, and governments invest resources to maintain and improve health outcomes. Access to quality healthcare services, preventive measures, and health education contribute to the overall well-being of populations. The pharmaceutical industry plays a pivotal role in promoting and sustaining health..

Through extensive research and development efforts, pharmaceutical companies create a wide array of medications to prevent, treat, and manage various health conditions. From antibiotics that combat infections to life-saving medications for chronic diseases, pharmaceuticals are instrumental in enhancing the quality and longevity of human life. Innovation within the pharmaceutical sector continually pushes the boundaries of medical knowledge. Breakthrough drugs and therapies emerge, addressing previously untreatable conditions and providing hope for patients facing challenging health scenarios. This innovation not only improves individual health outcomes but also contributes to advancements in medical science, creating a ripple effect that benefits society at large.



TOP MEDICINAL PLANT & USES

MEDICINAL PLANTS AND THEIR USES ARE NOT JUST FOLKLORE AND BELIEFS INHERITED FROM GRANDMOTHERS AND ELDERS OF THE COUNTRY, BUT THESE HERBS CONTAIN ACTIVE COMPOUNDS WHICH GRANT MEDICAL PROPERTIES. BY HERBALISM CHOICE

- **GINGER**



MANY BENEFITS OF GINGER ARE USED TO TREAT NAUSEA AND VOMITING AS WELL AS DIARRHEA, ABDOMINAL PAIN, TOOTH PAIN, AND RHEUMATISM. ADD TO THAT AN ANTI-INFLAMMATORY. ANTIOXIDANT AND ANTI-CANCER.



- **GARLIC**

THE MAIN FEATURE OF GARLIC IS THE ANTIOXIDANTS EFFECTS, WHICH CAN PROTECT AGAINST CARDIOVASCULAR DISEASE, A PLACEBO MOST WIDELY USED IN PATIENTS WITH DIABETES. GARLIC HAS BEEN USED IN DIFFERENT CULTURES AROUND THE WORLD FOR THE PREVENTION OF INFLUENZA AND UPPER RESPIRATORY TRACT DISEASES.

- **LIQUORICE**



LIQUORICE PLANT HAS A SWEET TASTE AND FAMOUS FOR STRENGTHENING THE DIGESTIVE SYSTEM, BUT ALSO EFFECTIVE IN THE FIGHT AGAINST INFECTIONS. ALTHOUGH THE PLANT IS VERY SAFE TO USE, BUT IT MUST BE APPROPRIATE FOR THE ACCURATE DOSE TO GET THE REQUIRED EFFICIENCY.



- **MINT**

MINT IS POPULAR AND HAS A DISTINCTIVE SMELL. THIS PLANT IS KNOWN IN FOLK MEDICINE AS A STIMULANT AND AS A DISINFECTANT.
THE MINT IS USEFUL FOR STRENGTHENING THE GUMS, TO GET RID OF GAS, STOMACH PAIN RELIEF, SEXUAL ENHANCEMENT, INHIBITION OF CANCER, ALSO RELIEVES HEADACHES AND JOINT PAIN...ETC

- **URTICA**



URTICA IS AN IMPORTANT MEDICINAL HERB. IT HELPS TO CLEAN THE BODY, AND TREATS INFLAMMATORY BOWEL PAIN, IRRITABLE BOWEL SYNDROME AND LIVER DISEASE, URINARY TRACT INFECTIONS AND KIDNEY PROBLEMS AND SKIN.



- **TURMERIC**

THE MAIN COMPOUND IN TURMERIC (CURCUMIN), HAS ANTI-CANCER EFFECTS, ESPECIALLY WHEN IT COMES TO CELL CANCER: BREAST, PANCREAS, COLON, PROSTATE CANCER AND OTHERS.

- **RADICCHIO**



RADICCHIO IS USED IN THE LIVER AND DIGESTIVE CLEANSING. IT HELPS IN LOWERING BLOOD SUGAR DUE TO STIMULATING THE CELLS IN THE PANCREAS. CLEANSING GIVES A SENSE OF POWER AND COMFORT IN THE BODY, THE FACT THAT THE LIVER IS THE ORGAN WHICH DRAINS MOST OF THE TOXINS IN THE BODY.

Laxmesh N
IV year
Bpharm



TRANSTHEORETICAL MODEL

The transtheoretical model is the dominant model of health behavior change, having received unprecedented research attention. Three studies that successfully utilize the process of change are to reduce alcohol consumption, smoking cessation and increased physical activity. In late 1970's It was developed by psychologists Carlo C Diclemente and J O Prochaska to understand how some people would quit smoking on their own

There are five stages that a person progresses through when making a behavior change such as

1. Pre contemplation - no intention to change behavior.
2. Contemplation - person admitting to the behavioral change
3. Determination - the person prepares to take action
4. Action - putting the plans into action to change behavior
5. Maintenance – continuation of new behavior while avoiding relapse

Though there are many criticisms this model is widely used in current days. Methods such as ecological momentary assessment [EMA] might be utilized to identify real-time changes in thoughts, feelings and behaviours , as one engages in health behavior changes

BHOOMIKA .G. R
III year B.Pharm

The Journey to Wellness

In a picturesque village nestled in the lush countryside, there lived a young woman named Sarah who had always taken her health for granted. She reveled in the simple joys of life, spending her days exploring the fields and forests that surrounded her home.

But one fateful day, Sarah fell ill. A persistent cough wracked her body, and she grew weaker with each passing day. Concerned for her well-being, her family urged her to seek help from the village healer, an elderly woman named Elder Grace.

Reluctantly, Sarah visited Elder Grace's humble cottage at the edge of the village. The healer greeted her with a warm smile and listened intently as Sarah described her symptoms.

Elder Grace examined Sarah with a gentle touch, her wise eyes filled with compassion. "Your body is trying to tell you something, my dear," she said softly. "You must listen to it."

With patience and care, Elder Grace prescribed a regimen of herbal remedies and restorative teas for Sarah to follow. She emphasized the importance of nourishing both body and soul, urging Sarah to embrace a balanced lifestyle.

At first, Sarah struggled to adhere to Elder Grace's recommendations. She longed to return to her carefree days of exploration and adventure. But as she persevered, she began to notice small improvements in her health.

With each sip of healing tea and each breath of fresh air, Sarah felt her strength returning. She discovered a newfound appreciation for the gift of health and the importance of caring for her body.

As the weeks passed, Sarah's cough subsided, and her energy levels soared. She returned to her beloved outdoor pursuits with renewed vigor, savoring each moment of vitality.

Grateful for Elder Grace's guidance, Sarah vowed to prioritize her health and well-being for the rest of her days. She understood that true wellness was not just the absence of illness, but a state of harmony between mind, body, and spirit.

And so, Sarah's journey to wellness became a testament to the transformative power of self-care and the wisdom of those who guide us on the path to health. In the embrace of nature and the guidance of a wise healer, she found the strength to reclaim her vitality and embrace life's endless possibilities.

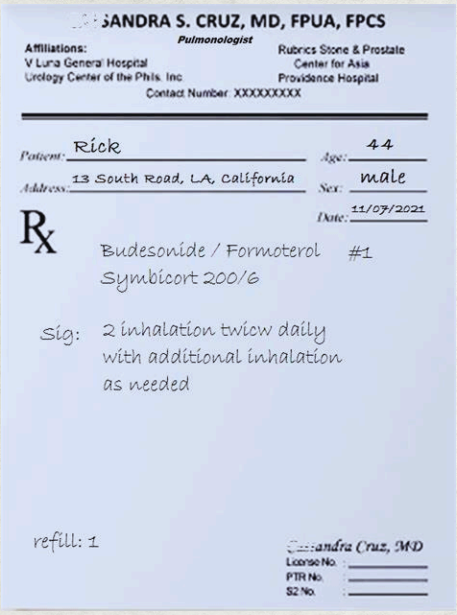
Anjani Kumari
III year B.Pharm

THE HEALING ELIXIR

In a quaint pharmacy, an old pharmacist discovers a forgotten recipe for powerful healing elixir. As he prepares it, the elixir not only restores health but also brings unexpected joy to the lives of those who consume it.



THE LOST PRESCRIPTION



SANDRA S. CRUZ, MD, FPUA, FPCS
Pulmonologist
Affiliations:
V Luna General Hospital
Urology Center of the Phils. Inc
Rubrics Stone & Prostate Center for Asia
Providence Hospital
Contact Number XXXXXXXXX

Patient: Rick
Age: 44
Address: 13 South Road, LA, California
Sex: male
Date: 11/07/2021

℞
Budesonide / Formoterol Symbicort 200/6 #1

Sig: 2 inhalation twice daily with additional inhalation as needed

refill: 1

Sandra Cruz, MD
License No.
PTR No.
S2 No.

A pharmacist receives a mysterious prescription with no patient details. determined to find the intended recipient. they embark on the journey to uncover the story behind the prescription, leading to a heartwarming reunion

Hindu Priya A
III year B.Pharm

FACTS

IT IS IMPOSSIBLE FOR MOST PEOPLE TO LICK THEIR DOWN ELBOW





FIRE HAS NO SHADOW

THE DAY AFER TOMORROW IS CALLED OVERMARROW





HUMAN TEETH ARE THE ONLY PARTS OF THAT CAN'T HEAL THEMSELVES.

A PHOTOGRAPHER CATCHES A DRAGON LIZARD PLAYING A LEAF GUITAR IN INDONESIA





LOVE CARROTS? DON'T EAT TOO MANY OR YOU WILL TURN ORANGE.

Harshitha S
IV year B.Pharm

Aspirin is still one of the most researched drugs in the world, with an estimated 700 to 1000 clinical trails conducted every year.





10% of Americans believe antibiotics are addictive. Same % believe antibiotics are ineffective treatment for bacterial infections.

If the lining of mucus were to disappear from Your stomach, your stomach would digest itself





Prescription of antibiotics to people with viral infections contributes to the evolution of drug- resistance bacteria, which kill tens of thousand each year and cost us billions in health care expenses.

KavyaShree T M
IV year B.Pharm

ADVAIR-COLOR OF THE BOXES CORRESPOND WITH INCREASING DOSES/SEVERITY OF ILLNESS



LITHIUM-AN ORIGINAL INGREDIENT IN 7UP, THE CREATOR BELIEVED THAT THE DRINK COULD AFFECT PEOPLE'S MOOD



ARMOUR THYROID-IS MADE FROM PIG THYROID



KETAMINE- MAY BE AN EFFECTIVE TREATMENT FOR DEPRESSION AND MIGRAINES



WARFARIN-FIRST MARKETED AS RAT POISON; DISCOVERED BY THE WISCONSIN ALUMNI RESEARCH FOUNDATION FROM COUMARIN



Subhadip Guin
IV year B.Pharm

FACTS



The blue whale heart is, which is so large that a little child can swim across it

A patient has become the first to be cured using India's CAR-T cell therapy, India's CDSCO has approved the commercial use of India's first indigenous CAR-T cell therapy.





Birth control pills may impact part of Women's brain responsible for decision-making .

Entirely new class of tiny creature called obelisks has been found in the human digestive system.





A research team from Italy and the us recommends reducing exposure to organophosphates and N-methyl carbamates to preserve male fertility and increase chance of parenthood

Scientists find about a quarter million invisible microplastic particles in a litre of bottled water.



Priya K
IV year B.Pharm

BRAIN storming....



RX Symbol Origins: The commonly used *"Rx"* symbol might have Egyptian origins. While most people associate it with the Latin word *"recipe,"* which means *"take,"* another theory suggests that it evolved from the ***Eye of Horus***, an Egyptian symbol believed to have healing powers.

Coca-Cola's Pharmacist Origins: In 1886, pharmacist John S. Pemberton invented *Coca-Cola* as a treatment for common ailments. His bookkeeper, Frank Robinson, named the drink and wrote it down in the iconic flowing handwriting that became the brand's logo. The original recipe included cocaine from coca leaves and caffeinated extracts from *kola* nuts.





Hermes and Mercury: In ancient mythology, *Hermes (Greek) and Mercury (Roman)* were gods associated with commerce, trade, and communication. Interestingly, their attributes align well with retail pharmacy. The *caduceus*, a symbol often used in pharmacy, has symmetrical proportions and was originally a printer's mark. Its connection to medicine was revived in the 19th century.



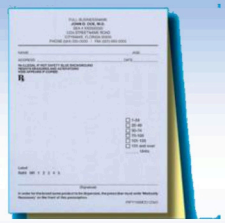
Atharvaveda - Encyclopedia for Medicine: The Atharvaveda is regarded as an ancient encyclopedia for medicine and the science of mortal existence.It contains around 153 hymns dedicated to health and healing and 215 hymns devoted to physiology.The Atharvaveda discusses various natural sources, their remedial properties, and psychosomatic powers.





Most Expensive Drug: *Zolgensma*, a gene therapy for spinal muscular atrophy (SMA), costs a staggering *$2.1 million* for a single treatment. It replaces the missing or nonworking SMN1 gene with a functional copy, offering hope to affected families. The price reflects its transformative impact.

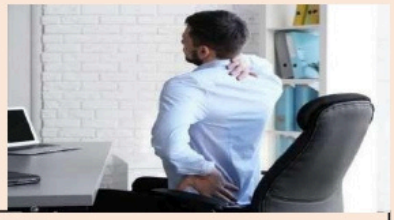
Largest Prescription Dispensed: The record for the largest prescription ever dispensed goes to a prescription filled in 1992. It was for a drug called *TPN (Total Parenteral Nutrition)* and was a staggering 22 gallons.



Indranil Mahapatra
IV year B.Pharm

Health Facts

Study published in JAMA Network open found that spending time glued to an office chair could lead 16% closer to an early death





A person need less than 4000 steps a day for better brain health.

Indian drug regulator CDSCO has banned a popular anti-cold cocktail medicine combination for infants and children under four years of age.





Skipping breakfast can increase Risk of Heart attack by 35%.

A cup of coffee may make you less depressed.





Enjoy some sunshine in the morning may help you loss weight.

If you enjoy the bitter foods, you might have psychopathic.





Being stressed at work may increase your risk for type 2 diabetes.

Exercising when you're young can keep bones stronger when you're old.





Adequate sleep reduces your risk of many diseases.



Ramvinay Prajapati
IV year B.Pharm

AMAZING TRUE FUNY MATHEMATICS
IF ENGLISH ALPHABETS:-

A=1, B=2, C=3, D=4, E=5, F=6, G=7, H=8, I-9, J=10, K=11, L=12, M=13, N=14, 0=15, P=16, Q=17, R=18, S=19, T=20, U=21, V=22, W=23, X=24, Y=25, Z=26.

THEN:-

L+E+A+D+E+R= 12+5+1+4+5+18 = 45%
L+U+C+K = 12+21+3+11 = 47%
L+O+V+E = 12+15+22+5 = 54%
M+O+N+E+Y = 12+15+14+5+25 = 72%
K+N+O+W+L+E+D+G+E=11+14+15+23+12+5+4+7+5=96%
L+E+A+D+E+R+S+H+I+P=12+5+1+4+5+18+19+8+9+16=90%
H+A+R+D+W+O+R+K= 8+1+18+4+23+15+18+11 = 98%
A+T+T+I+T+U+D+E = 1+20+20+9+20+21+4+5 = 100%

OF SUCCESS

SO OUR ATTITUDE TOWARDS LIFE AND WORK THAT MAKES OUR LIFE 100% SUCCESSFUL AND HAPPY.

Harshitha S
IV year B.Pharm

FUN IN PHARMA

1. Why did the Tablet go to therapy?
2. What did the pharmacist say to the tired customer?
3. I asked the guy sitting next to me if he had any Sodium Hypobromite...
4. What is the show cesium and iodine love watching together?
5. What is the chemical formula for "coffee"?
6. What is the chemical formula for "banana"?
7. Did you hear oxygen went on a date with potassium?
8. Anyone know any jokes about sodium?
9. What did the scientist say when he found 2 isotopes of helium?
10. Why was the mole of oxygen molecules excited when he walked out of the singles bar?
11. If H_2o is the formula for water, what is the formula for ice?
12. What do you do with a dead chemist?
13. What did one ion say to the other?
14. Why did the chemist sole and heel his shoes with silicone rubber?
15. What do you call a tooth in a glass of water?

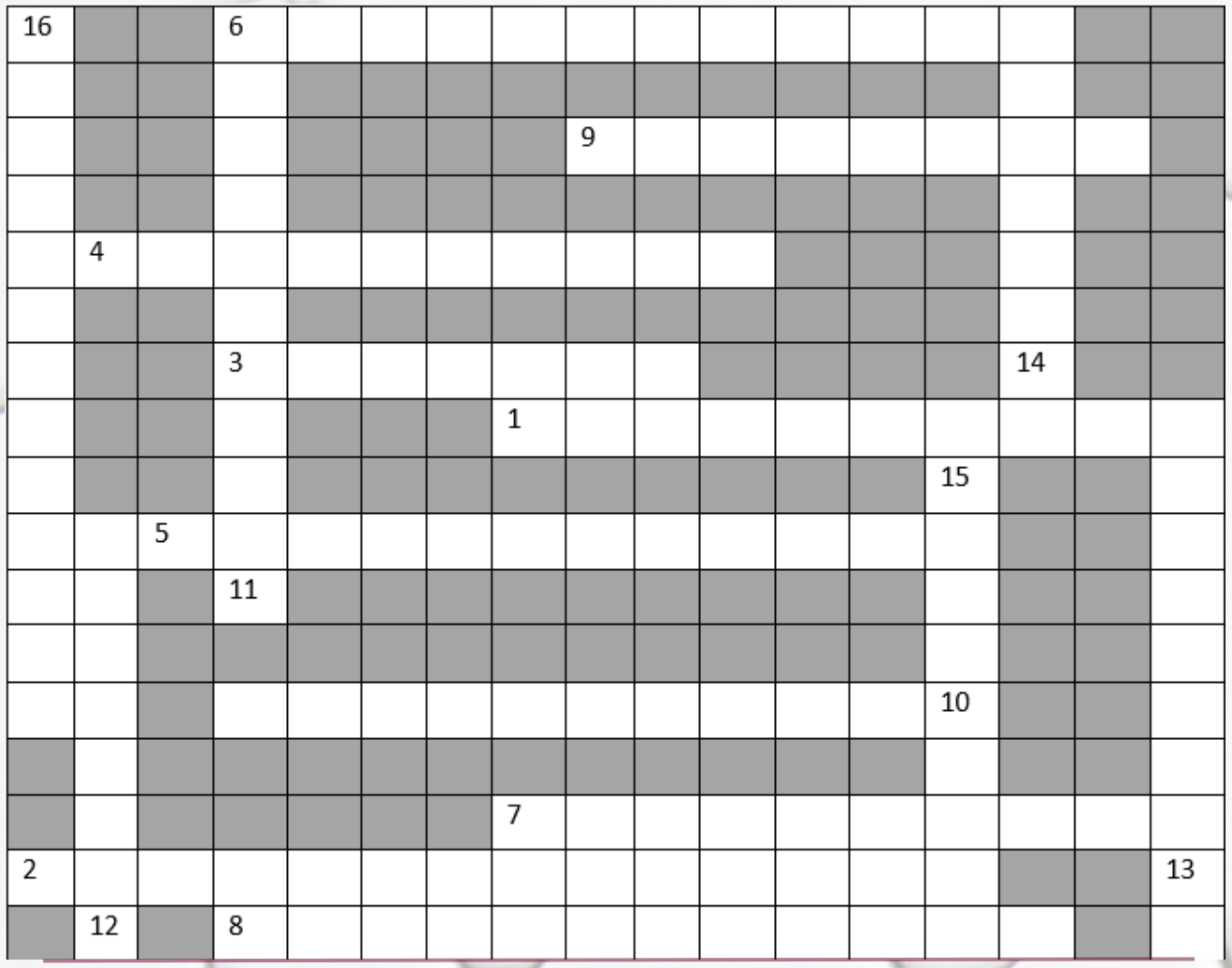
ANSWERS

1: It had too many emotional issues with dissolving in water, 2:“You need a dose of restful sleep, not just prescriptions!”, 3: NaBrO, 4: CSI,

5: CoFe2, 6: BaNa2, 7: It went OK, 8: Na, 9: HeHe, 10: H_2o cubed,

11: Barium, 12: I've got my ion you, 13: To reduce his carbon footprint,

14: One molar solution, 15: A silicon.



TOP TO BOTTOM

1. I am the first beta-lactam antibiotic.
2. I am a proton pump enemy, I will treat stomach ulcers.
3. I have been a chemotherapy drug since 1959 and a cell cycle non-specific alkylating antineoplastic agent.
4. All will buy me Klonopin and Rivotril used for the treatment of Anxiety disorder.
5. My molecular formula is C20H22N8O5, who i am?
6. I am a cholinesterase inhibitor. I will treat Mental disorders like difficulty thinking, confusion, and memory.
7. I will treat edema, liver scarring and kidney disease and I have many trade names.
8. I am an antiandrogen, antifungal, antiglycocorticoid medication that mainly treats fungal infections.
9. I am basically from central/south Asia used in various traditional medicines also known as psychoactive drugs from plants.

RIGHT TO LEFT

10. I am sold in the brand name of Inderal among others and I am from a beta-blocker class.

BOTTOM TO TOP

11. I am in a class on medicine to lower BP also known as adrenergic blocking agent.
12. I am the derivative of dicoumanol, an anti-coagulant originally discovered from spoiled sweet clover.
13. I am the queen of controlling sugar levels in the blood.
14. I am generally an illegal drug that has a long and complicated history extracted from plants.

TOP TO BOTTOM

15. I am a class of phenylalkylamine, a calcium channel blocker used in the treatment of high BP, angina and arrhythmia.
16. I am a 10% topical lotion sold in the name of Klaron or ovace used to reduce acne

WELCOME TO THE 21ST CENTURY

- OUR PHONES- WIRELESS
- COOKING -FIRELESS
- CARS - KEYLESS
- FOOD - FATLESS
- TYRES - TUBELESS
- DRESS - SLEEVELESS
- YOUTH-JOBLESS
- LEADER - SHAMELESS
- RELATIONSHIP - MEANINGLESS
- ATTITUDE - CARELESS
- WIVES - FEARLESS
- FEELING - HEARTLESS
- EDUCATION - VALUELESS
- CHILDREN - MANNER LESS

EVERYTHING IS BECOMING LESS BUT STILL

OUR HOPES ARE -ENDLESS

IN FACT I AM - SPEECHLESS....!!!

Harshitha M
IV year B.Pharm

'COMMUNITY MANIFESTO'

I MAY JUST LOOK,
LIKE I JUST FILL,
I FEEL YOU STARE,
IF LOOKS COULD KILL.

I HOLD THE PHONE
UP TO MY EAR
ALL WHILE YOU SCREAM,
I FEEL NO FEAR.

YOU CALL US OUT,
AND TRY TO SHAME,
YOU SAY'THIS STUCKS'
I WANT BRAND NAME.

I TAKE A BREATH,
AND COUNT TO THREE.
TO DEAL WITH YOU,
I HELD MY PEAK.

I CAN'T EXPLAIN,
WHEN YOU FREAK OUT.
I TRY MY BEST,
TO NOT WALKOUT!!!

ROOPESH K
IV year B.Pharm

Resilience in Scrubs : Chronicles of Healing Hearts

In scrubs of valour, I step through the door,
A healthcare heart in a pandemic's roar.
The hospital hums with a tense refrain,
A symphony of chaos & echoes of pain.

Gowned in layers, a shield on my skin,
A frontline warrior, where battles begin.
Silent corridors, with whispers of fear,
I face the unknown, each day drawing near.

In the ICU's hushed sanctuary,
I navigate the realm of uncertainty.
Stethoscope echoes, a heartbeat's plea,
As COVID's grip tightens, a dire decree.

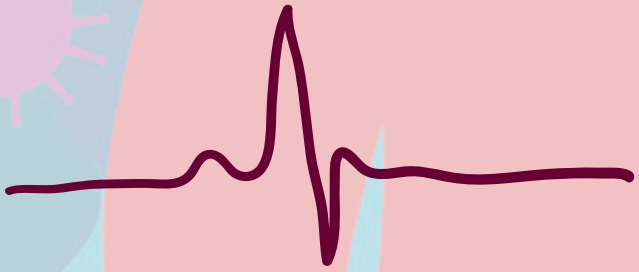
Days blur together in a relentless stream,
Nightmares and hope, an intricate seam. I see faces etched with anguish and strife, Yet find strength to embrace each precious life.

Behind masks, I speak words of solace, A touch through gloves, a connection in this abyss. Families, distant, eyes filled with tears,
I bridge the gap, allaying their fears.

Isolation's embrace, cold and unkind, Yet compassion and warmth, in my heart, I find.
Long shifts wear on, lines etched on my face,
Resilience in each exhausted embrace.

In the quiet moments when the lights dim, I reflect on the battles, victories, and grim. A healthcare hero, not immune to despair, But fuelled by a calling, a duty to bear.

Through the storm, a beacon of care, A testament to love, beyond the despair. In this pandemic's narrative, I stand tall, I am a proud healthcare professional, giving my all.



Dipan Kanti Das
V year Pharm D

POETRY

When I look in the night sky full of moon and stars my heart trembles I don't know why
With a fear of God's plan that I can not deny Knowing that you can not be mine
When we bleed the same share the same earth and sky
Why can you not be mine?

I see thousands of faces, none like you, In your radiant light and eyes so true,
You, a believer in a world so vast, Your presence, a treasure, forever to last.
Amidst the crowd,you as a shining star You've kindled a fire deep within my heart, With your spirit, we'll never drift apart.
In your eyes, a universe I find, A world of wonders, you an exquisite kind,
Amongst thousands of faces, none compare, You're the one who makes life so rare.

In your eyes, let that affection shine, A sign that your love is forever mine.
Whisper it softly, or let your smile play, The language of love, in every way

"Why couldn't God write our destined meeting?"
In realms where fate and chance entwine, "Why couldn't God scribe our destined line?"
With cosmic quill and celestial ink, Our meeting's tale in stars would link.
Yet, life unfolds in mystery's art, A dance of souls, each playing a part.
Through winding paths, we find our way, God's penmanship in night and day.
In whispers heard on breezes light, The meeting's essence takes its flight.
For in the weave of time's grand scheme, Our destined encounter, like a dream.
So let us cherish moments spun, By threads unseen, by two as one.
For in the mystic dance of greeting, God's presence lingers, ever fleeting

Abdul Bateen
I year Pharm.D

' ನನ್ನ ನಾಡು , ನನ್ನ ಭಾಷೆ '

ಕಲಿತವರಿಗೆ ಅಮೃತ,
ನೆನೆದವರಿಗೆ ನೆರಳು,
ಅಂಧರಿಗೆ ದಾರಿದೀಪ ,
ನನ್ನ ಭಾಷೆ ಕನ್ನಡ...

ದ್ರಾವಿಡ ಭಾಷೆಗಳಲ್ಲಿ ಪ್ರಾಮುಖ್ಯವುಳ್ಳ ಭಾಷೆಯೂ ಭಾರತದ ಪುರಾತನವಾದ ಭಾಷೆಗಳಲ್ಲಿ ಒಂದಾಗಿರುವ ನನ್ನ ಭಾಷೆ ಕನ್ನಡ . ಕನ್ನಡ ಕರ್ನಾಟಕ ರಾಜ್ಯದ ಆಡಳಿತ ಭಾಷೆ ಇದನ್ನು ಅದರ ವಿವಿಧ ರೂಪಗಳಲ್ಲಿ ಸುಮಾರು ೪೫ ದಶಲಕ್ಷ (೪.೫ ಕೋಟಿ) ಜನರು ಆಡು ನುಡಿಯಾಗಿ ಬಳಸುತ್ತಲಿದ್ದಾರೆ.

ಬ್ರಾಹ್ಮಿ ಲಿಪಿಯಿಂದ ರೂಪುಗೊಂಡ ಕನ್ನಡ ಲಿಪಿಯನ್ನು ಉಪಯೋಗಿಸಿ ಕನ್ನಡ ಭಾಷೆಯನ್ನು ಬರೆಯಲಾಗುತ್ತದೆ. ಕನ್ನಡ ಲಿಪಿಯೂ ಲಿಪಿಗಳ ರಾಣಿಯೆಂದೇ ಹೆಸರಾಗಿದೆ .

ಕನ್ನಡ ಲಿಪಿ ಸುಮಾರು ೧೫೦೦-೧೬೦೦ ವರ್ಷಗಳಿಗಿಂತಲೂ ಹಿಂದಿನದು. ಐದನೆಯ ಶತಮಾನದ ಹಲ್ಮಿಡಿ ಶಾಸನ ದ ಸಮಯಕ್ಕಾಗಲೇ ಕನ್ನಡವು ಸಾಕಷ್ಟು ಅಭಿವೃದ್ಧಿ ಹೊಂದಿತ್ತು.

ಕಳೆದ ಶತಮಾನದಲ್ಲಿ ಎಂದರೆ ೨೦ನೆಯ ಶತಮಾನದಲ್ಲಿ ಕನ್ನಡ ಭಾಷೆಯ ಅಭಿವೃದ್ಧಿ ಬಹಳ ವ್ಯಾಪಕವಾಗಿ ನಡೆಯಿತು. ಕನ್ನಡ ಭಾಷೆಯು ಅಭಿಜಾತ ಭಾಷೆಯೆಂಬ ಸ್ಥಾನಮಾನವನ್ನು ಕೇಂದ್ರ ಸರಕಾರದಿಂದ ಪಡೆದಿದೆ.ಕನ್ನಡ ಭಾಷೆ ವಾಣಿಜ್ಯ ಕ್ಷೇತ್ರದಲ್ಲಿಯೂ ಮುಂಚೂಣಿಯ ಭಾಷೆಯಾಗಿ ಬೆಳೆಯತೊಡಗಿದೆ.

ಕನ್ನಡದಲ್ಲಿ ಸಂಸ್ಕೃತದ ಪ್ರಭಾವ ಅಸಾಧಾರಣವಾದುದು. ಪ್ರಾಕೃತ, ಪಾಳಿ ಮುಂತಾದ ಭಾಷೆಗಳ ಪ್ರಭಾವವೂ ಕನ್ನಡಕ್ಕಿದೆ. ಕ್ರಿ.ಪೂ ಮೂರನೆಯ ಶತಮಾನಕ್ಕೂ ಮುನ್ನವೇ ಕನ್ನಡ ಮೌಖಿಕ ಪರಂಪರೆಯ ಭಾಷೆಯಾಗಿ ರೂಪುಗೊಂಡಿತ್ತೆಂಬುದಕ್ಕೂ ಪ್ರಾಕೃತ ಭಾಷೆಯಲ್ಲಿಯೂ ತಮಿಳು ಭಾಷೆಯಲ್ಲಿಯೂ ಬರೆಯಲ್ಪಟ್ಟ ಶಾಸನಗಳಲ್ಲಿ ಕನ್ನಡದ ಶಬ್ದಗಳು ಬಳಕೆಯಾಗಿವೆಯೆಂದೂ ಇತಿಹಾಸ ತಜ್ಞ ಐರಾವತಂ ಮಹಾದೇವನ್ ಸಾಬೀತುಪಡಿಸಿದ್ದಾರೆ.

ಕನ್ನಡದ ಇತಿಹಾಸ ಬರೆಯಲು ಹೋದರೆ ಪುಟಗಳೇ ಸಾಲವು. ಆದರೆ ಆಧುನಿಕತೆಯ ಕಾರಣ ಪರಭಾಷೆಗಳ ಪ್ರಭಾವ ಕನ್ನಡ ಭಾಷೆಯ ಮೇಲೆ ಬೀರಿದೆ . ಕನ್ನಡವು ಅಳಿವಿನಂಚಿನಲ್ಲಿದೆ . ಕನ್ನಡಿಗರಾದ ನಾವು ಅದಕ್ಕೆ ಅವಕಾಶ ಕೊಡದೆ ನಮ್ಮ ಭಾಷೆಯನ್ನು ಉಳಿಸಿ ಬೆಳೆಸಬೇಕಾಗಿದೆ. ಮುಖ್ಯವಾಗಿ ನಮ್ಮ ಮುಂದಿನ ಪೀಳಿಗೆಗೆ ಕನ್ನಡದ ಅರಿವು ಅತ್ಯವಶ್ಯವಾಗಿದೆ . ಎಲ್ಲಾ ಕ್ಷೇತ್ರದಲ್ಲಿಯೂ ಕನ್ನಡ ಭಾಷೆಗೆ ಪ್ರಾಮುಖ್ಯತೆ ಬೇಕಾಗಿದೆ. ಕನ್ನಡಿಗರಾದ ನಾವು ಅದಕ್ಕೆ ಮುನ್ನುಡಿ ಹಾಕಬೇಕಿದೆ .

ಮನದೊಳಗೆ ಕನ್ನಡ ಮನಸೊಳಗೂ ಕನ್ನಡ ಕನ್ನಡವೇ ಎಲ್ಲಾ ಕನ್ನಡವಿಲ್ಲದೇ ಬೇರೇನೂ ಇಲ್ಲ ನಮ್ಮ ತಾಯಿ ಭಾಷೆ ಕನ್ನಡ.

ಕನ್ನಡಕ್ಕಾಗಿ ಕೈ ಎತ್ತಿ,
ನಿಮ್ಮ ಕೈ ಕಲ್ಪವೃಕ್ಷವಾಗುತ್ತದೆ

ಹಿಂದೂ ಪ್ರಿಯ ಎ
III year B.Pharm

ಹಂಪಿ
"ಸುವರ್ಣಯುಗದ ನೆನಪು "



ಹಂಪಿ ವಿಜಯನಗರ ಜಿಲ್ಲೆಯ ಹೊಸಪೇಟೆಯ ಬಳಿ ಇರುವ ಐತಿಹಾಸಿಕ ಸ್ಥಳ. ೧೩೩೬ರಿಂದ ೧೫೬೫ರವರೆಗೆ ಇದು ವಿಜಯನಗರ ಸಾಮ್ರಾಜ್ಯದ ರಾಜಧಾನಿ ಆಗಿತ್ತು. ಹಂಪಿಯ ಮೊದಲನೆ ಹೆಸರು 'ಪಂಪಾ' ಅಂದರೆ ತುಂಗಭದ್ರ ನದಿ ಎಂದರ್ಥ. ವರ್ಷಗಳು ಕಳೆದಂತೆ ಇದನ್ನು ವಿರುಪಾಕ್ಷಪುರ ಎಂದು ಕರೆಯಲ್ಪಟ್ಟಿತು. ಹಂಪೆಯನ್ನು ಯುನೆಸ್ಕೋ ವಿಶ್ವ ಪರಂಪರೆಯ ತಾಣ ಎಂದು ಘೋಷಿಸಿದೆ. ವಿಜಯನಗರ ಸಾಮ್ರಾಜ್ಯದ ಒಡೆಯನಾದ ಕೃಷ್ಣದೇವರಾಯನ ಕಾಲದಲ್ಲಿ ಹಂಪಿಯ ಬೀದಿಯಲ್ಲಿ ವಜ್ರಾಭರಣಗಳನ್ನು ತೂಕದ ಮಾದರಿಯಲ್ಲಿ ಮಾರಾಟ ಮಾಡುತಿದ್ದರು.ಆದರೆ ತಾಳಿಕೋಟೆಯ ಯುದ್ಧದಲ್ಲಿ ಮುಸ್ಲಿಂ ಸಾಮ್ರಾಜ್ಯದಿಂದ ಆದ ಆಕ್ರಮಣದಿಂದ ಹಂಪಿಯಲ್ಲಿದ್ದ ಅನೇಕ ಸ್ಮಾರಕಗಳನ್ನು ನಾಶವಾದವು.

ಇಂದು ಹಂಪಿಯಲ್ಲಿ ವಿರೂಪಾಕ್ಷ ದೇವಾಲಯ, ಹಜಾರ ರಾಮ ದೇವಸ್ಥಾನ, ಸಪ್ತಸ್ವರ ಸಂಗೀತ ಹೊರಹೊಮ್ಮಿಸುವ ಕಲ್ಲಿನ ಕಂಬಗಳು, ವಿಶ್ವವಿಖ್ಯಾತ ಕಲ್ಲಿನ ರಥ, ಸಾಸಿವೆಕಾಳು ಗಣಪತಿ, ಕಮಲ ಮಹಲ್, ಅನೆ ಲಾಯ ಹೀಗೆ ಹಲವಾರು ಪ್ರೇಕ್ಷಣೆಯ ಸ್ಥಳಗಳನ್ನು ನಾವು ಕಾಣಬಹುದು.

ಹಂಪಿಯ ಮುಕುಟಮಣಿ, ಸೌಂದರ್ಯದ ಖನಿ ಈ ಕಲ್ಲಿನ ರಥ. ಕೇಳಿಸದೆ ಕಲ್ಲು ಕಲ್ಲಿನಲಿ ಈ ಗೀತೆಯನ್ನು ಕೇಳಿದಾಗಲೆಲ್ಲಾ ಕನ್ನಡಿಗರ ಮೈ ರೋಮಾಂಚನಗೊಳ್ಳುತ್ತದೆ. ಹಂಪಿಯ ಕಲ್ಲಿನ ರಥದ ಕಲಾಕೆತ್ತನೆಗಳು ನಮ್ಮ ಕಣ್ಮುಂದೆ ಬರುತ್ತದೆ.ಮುಜರಾಯಿ ಇಲಾಖೆಗೆ ಒಳಪಟ್ಟ ಹಂಪಿಯ ವಿರೂಪಾಕ್ಷ ದೇವಸ್ಥಾನದಲ್ಲಿ ವಸ್ತ್ರ ಸಂಹಿತೆ ಜಾರಿಗೆ ಬಂದಿದೆ.ಪ್ರಾಯೋಗಿಕವಾಗಿ ಜನರಲ್ಲಿ ಜಾಗೃತಿ ಮೂಡಿಸಲು ಜನರಿಗೆ ಶಾಲು-ಪಂಚೆಯನ್ನ ಜಿಲ್ಲಾಡಳಿತ ನೀಡುತ್ತಿದೆ.

ಇನ್ನೂ ನೂರು ಶತಮಾನ ಹೋದರೂ ಹಂಪಿಯಂತಹ ಅಪೂರ್ವ ಶಿಲ್ಪಕಲೆಗಳನ್ನು ನಾವು ಕಟ್ಟುವುದಕ್ಕಾಗುವುದಿಲ್ಲ. ಆದ ಕಾರಣ ಈಗಿರುವ ಹಂಪಿಯ ಶಿಲ್ಪಕಲೆಗನ್ನು ಉಳಿಸಿಕೊಂಡು ಹೋಗಬೇಕು ಮತ್ತು ಮುಂದಿನ ಪೀಳಿಗೆಗು ಇದರ ಬಗ್ಗೆ ಅರಿವು ಮೂಡಿಸಬೇಕು.

ಭೂಮಿಕ ಜಿ ಆರ್
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ಭಾರತದ ಸೌನಿಧ್ಯ ಕರ್ನಾಟಕದ ಸಂಸ್ಕೃತಿ

ಕರ್ನಾಟಕ
ದಕ್ಷಿಣ ಭಾರತದ ಶ್ರೀಮಂತ ನಾಡು
ವೈಶಿಷ್ಟ್ಯ ಕಲೆ ಮತ್ತು ಸಂಸ್ಕೃತಿ ಹೊಂದಿದ ಬೀಡು

ವಿವಿಧತೆಯಲ್ಲಿ ಏಕತೆ ಎನ್ನುವಂತೆ , ಕರ್ನಾಟಕದಲ್ಲಿ ಕನ್ನಡಿಗರು ಮಾತ್ರವಲ್ಲದೆ ತುಳುವರು, ಟಿಬೆಟಿಯನ್ ಭೌದ್ಧರು, ಸಿದ್ಧಿ ಬುಡಕಟ್ಟುಗಳು ಹಾಗೂ ಪರಭಾಷಿಕರು ನೆಲೆಸಿದ್ದಾರೆ
ಕರ್ನಾಟಕವು ಅನೇಕ ಕಲೆ ಮತ್ತು ಸಂಸ್ಕೃತಿ ಹೊಂದಿದೆ. ಸಾಂಪ್ರದಾಯಿಕ ಜಾನಪದ ಕಲೆಗಳು ಕರಾವಳಿ ಕರ್ನಾಟಕದ ಪ್ರಮುಖ ನಾಟಕೀಯ ರೂಪಗಳಾಗಿವೆ.
ವೀರಗಾಸೆ, ಕಂಸಾಳೆ, ಡೊಳ್ಳು ಕುಣಿತ , ಹುಲಿ ಕುಣಿತ ಪ್ರಮುಖ ಜನಪ್ರಿಯ ಕಲೆಗಳಾಗಿವೆ

ಯಕ್ಷಗಾನ

ಯಕ್ಷಗಾನ ಕರಾವಳಿ ಕರ್ನಾಟಕದ ಪ್ರಸಿದ್ಧ ಕಲೆಯಾಗಿದೆ
ಜಾನಪದ ಮತ್ತು ಶಾಸ್ತ್ರೀಯ ಸಂಪ್ರದಾಯದ ಸಮ್ಮಿಲನವೇ ಯಕ್ಷಗಾನ. ವರ್ಣರಂಜಿತ ವೇಷಭೂಷಣ , ಸಂಗೀತ, ನೃತ್ಯ, ಹಾಡುವಿಕೆ, ಸಂಭಾಷಣೆಗಳು ಇದಕ್ಕೆ ರೂಪು ನೀಡುತ್ತವೆ.

ಯಕ್ಷಗಾನ ನಾಲ್ಕು ಕಲಾಮಾಧ್ಯಮಗಳಂದ ಮೈಗೂಡಿನಿಂತ ಒಂದು ಸಮ್ಮಿಶ್ರ ಕಲೆ. ಇದರಲ್ಲಿ ಸಂಗೀತ, ಸಾಹಿತ್ಯ, ನೃತ್ಯ ಮತ್ತು ಚಿತ್ರ ಈ ನಾಲ್ಕು ಕಲೆಗಳ ಔಚಿತ್ಯಪೂರ್ಣವಾದ ಸಾಮರಸ್ಯವಿದೆ.
ಯಕ್ಷಗಾನದ ಪ್ರದರ್ಶನದಲ್ಲಿ ಎರಡು ಭಾಗಗಳಿವೆ.
ಮೊದಲನೆಯದು ಪೂರ್ವರಂಗ ಅಥವಾ ಸಭಾ ಲಕ್ಷಣ.
ಎರಡನೆಯದು ಆರಿಸಿಕೊಂಡ ಕಥಾಭಾಗ.
ಯಕ್ಷಗಾನದಲ್ಲಿ ಕಾಣಬಹುದಾದ ಪ್ರಮುಖ ಅಂಶಗಳು :

ಪ್ರಸಂಗ:

ಯಕ್ಷಗಾನದಲ್ಲಿ ಯಾವುದಾದರೊಂದು ಕಥಾನಕವನ್ನು ಆಯ್ದುಕೊಂಡು ಅದನ್ನು ಜನರಿಗೆ ಹಾಡು, ಅಭಿನಯ, ನೃತ್ಯಗಳೊಂದಿಗೆ ತೋರಿಸಲಾಗುತ್ತದೆ. ಹೀಗೆ ಆಯ್ದುಕೊಂಡ ಕಥಾನಕವನ್ನು ಪ್ರಸಂಗ ಎಂದು ಕರೆಯುತ್ತಾರೆ. ಉದಾಹರಣೆಗೆ ಮಹಾಭಾರತದಲ್ಲಿ ಭೀಮ ಮತ್ತು ದುರ್ಯೋಧನರ ನಡುವೆ ನಡೆಯುವ ಗದಾಯುದ್ಧದ ಕಥೆಯನ್ನು ಆಯ್ದುಕೊಂಡರೆ ಆಗ ಅದನ್ನು "ಗದಾಯುದ್ಧ ಪ್ರಸಂಗ" ಎಂಬುದಾಗಿ ಕರೆಯುತ್ತಾರೆ. ಹೆಚ್ಚಾಗಿ ಪೌರಾಣಿಕ ಪ್ರಸಂಗಗಳನ್ನೇ ಆಯ್ದು ಕೊಳ್ಳುವುದು ಯಕ್ಷಗಾನದ ವಾಡಿಕೆಯಾದರೂ ಪ್ರಸಂಗವು ಪೌರಾಣಿಕವೇ ಆಗಬೇಕು ಎಂಬ ನಿಯಮವೇನೂ ಇಲ್ಲ. ಇದು ಐತಿಹಾಸಿಕವೂ, ಸಾಮಾಜಿಕವೂ ಆಗಿರಬಹುದು.

ಪಾತ್ರದಾರಿಗಳು:

ಪ್ರಸಂಗದಲ್ಲಿ ಬರುವ ಕಥೆಯನ್ನು ಅಭಿನಯಿಸುವವರೇ ಪಾತ್ರದಾರಿಗಳು. ಸ್ತ್ರೀ ಪಾತ್ರ , ಖಳ ನಟನ ಪಾತ್ರ, ಹಾಸ್ಯ ಕಲಾವಿದನ ಪಾತ್ರ , ನಾಯಕನ ಪಾತ್ರ ಹೀಗೆ ಪ್ರಸಂಗಕ್ಕೆ ಅನುಗುಣವಾಗಿ ಪಾತ್ರಗಳನ್ನು ಆಯ್ಕೆ ಮಾಡಲಾಗುತ್ತದೆ.

ವೇಷಭೂಷಣ:

ಯಕ್ಷಗಾನದ ಪ್ರಮುಖ ಅಂಶವೇ ವೇಷಭೂಷಣ . ವೇಷಭೂಷಣವು ಯಕ್ಷಗಾನಕ್ಕೆ ಒಂದು ಮೆರುಗು ನೀಡುತ್ತದೆ. ಖಳನಟ ಮತ್ತು ನಾಯಕನ ಪಾತ್ರಕ್ಕೆ ಬಳಸುವ ಕಿರೀಟವು ಸಾಮಾನ್ಯ ಪಾತ್ರಕ್ಕೆ ಬಳಸುವ ಕಿರೀಟಗಳಿಗಿಂತ ವಿಭಿನ್ನವಾಗಿರುತ್ತವೆ. ಸ್ತ್ರೀ ಪಾತ್ರಗಳಿಗೆ ಬಳಸುವ ಕಿರೀಟವು ತುಂಬಾ ಚಿಕ್ಕದಾಗಿರುತ್ತದೆ.

ಭಾಗವತಿಕೆ:

ಯಕ್ಷಗಾನದ ಜೀವಾಳವೇ ಭಾಗವತಿಕೆ ಅಥವಾ ಹಾಡುಗಾರಿಕೆ. ಅವರು ಈ ರಂಗ ಪ್ರಕಾರದ ನಿರ್ದೇಶಕರಿದ್ದಂತೆ. ಇಲ್ಲಿ ಪಾತ್ರಧಾರಿಗಳು. ಅಭಿನಯಿಸುವ ಕಥಾನಕವನ್ನು ಕಾವ್ಯ ರೂಪದಲ್ಲಿ ಹಾಡಲಾಗುತ್ತದೆ.
ಹೀಗೆ ಹಾಡುವವರನ್ನು ಭಾಗವತರು ಎಂದು ಕರೆಯುತ್ತಾರೆ.

ಮಾತುಗಾರಿಕೆ :

ಹಾಡುವುದನ್ನು ಪೂರ್ಣಗೊಳಿಸಿದ ಕೂಡಲೇ ಆ ಹಾಡಿನ ಸಾರಾಂಶವನ್ನು ಪಾತ್ರಧಾರಿಗಳು ಚರ್ಚಿಸುತ್ತಾರೆ.

ಹೀಗೆ ಹಲವು ಕಲೆಗಳು ಕರ್ನಾಟಕದ ಸಂಸ್ಕೃತಿಗೆ ಮೆರುಗು ನೀಡುತ್ತವೆ.
ವೀರಗಾಸೆ ಮತ್ತು ಡೊಳ್ಳುಕುಣಿತ ಉತ್ತರ ಕರ್ನಾಟಕದ ಪ್ರಸಿದ್ಧ ಕಲೆಯಾಗಿವೆ.
ನಮ್ಮ ಮುಂದಿನ ಪೀಳಿಗೆಗೆ ಈ ಕಲೆ ಮತ್ತು ಸಂಸ್ಕೃತಿಯ ಬಗ್ಗೆ ಅರಿವು ಮೂಡಿಸಬೇಕಿದೆ.

ಎಲೆಗಳಂತಿರಲಿ ನಯ ನಾಜೂಕಿನ ಮೃದು ಮಧುರತೆಯ ನೈಜತೆ ;
ಮನ ಮನೆಗಳಲ್ಲಿರಲಿ ಸಂಸ್ಕೃತಿ, ಸಂಸ್ಕಾರಗಳ ಆಚರಣೆಯ ಸೌಜನ್ಯತೆ...

ನಿತ್ಯ ಎ ಟಿ
III year B.Pharm

ನುಡಿಗೊಂದು ನಮನ

"ಕರ್ನಾಟಕ ಕಲ್ಪವೃಕ್ಷ , ಕನ್ನಡ ಕಾಮದೇನು"
ಕನ್ನಡ ಬರವಣಿಗೆಯ ಬಗ್ಗೆ ಪ್ರಪ್ರಥಮ ಬಾರಿಗೆ ಉದಾಹರಣೆ ದೊರಕಿದ್ದು ತಾಳಗುಂದದ ಸಿಂಹಕಟಾಂಜನ ಶಾಸನದಲ್ಲಿ.

ಪ್ರಸಿದ್ಧವಾದ ಬಾದಾಮಿ ಶಾಸನವು ಕೂಡ ಪುರಾತನ ಕನ್ನಡ ಬರವಣಿಗೆಯ ಬಗ್ಗೆ ಮತ್ತಷ್ಟು ಉದಾಹರಣೆ ನೀಡುತ್ತದೆ. ೯ನೇ ಶತಮಾನದ ಧೀಮಂತ ಕವಿಯಾದ ಶ್ರೀವಿಜಯ ಅವರು ಬರೆದಿರುವ 'ಅಮೋಘವರ್ಷ ನೃಪತುಂಗ'ವು ಕನ್ನಡದ ಪ್ರಥಮ ಲೇಖನವಾಗಿದೆ.

<u>ಹಳೆಗನ್ನಡ</u>:

ಕನ್ನಡ ಸಾಹಿತ್ಯ ಚರಿತ್ರೆಯಲ್ಲಿ ೧೦ನೇ ಶತಮಾನದಿಂದ ಸುಮಾರು ೧೨ನೇ ಶತಮಾನದವರೆಗಿನ ಕಾಲಘಟ್ಟವನ್ನು ಹಳೆಗನ್ನಡ ಎಂದು ಗುರುತಿಸಬಹುದು. ಈ ಕಾಲದ ಸಾಹಿತ್ಯ ಮುಖ್ಯವಾಗಿ ಜೈನ ಧರ್ಮವನ್ನು ಅವಲಂಬಿಸಿದೆ. ಕನ್ನಡ ಚರಿತ್ರೆಯ ಈ ಘಟ್ಟಕ್ಕೆ ಆದಿ-ಕಾವ್ಯ ಎಂದೂ ಕೂಡ ಕರೆಯಬಹುದು.
ಪ೦ಪ ಈ ಕಾಲದ ಅತಿ ಪ್ರಸಿದ್ಧ ಕವಿ. ಪಂಪನ 'ವಿಕ್ರಮಾರ್ಜುನ ವಿಜಯ' ಅಥವ 'ಪಂಪ ಭಾರತ' ಇಂದಿಗೂ ಮುಖ್ಯ ಕೃತಿಯೆಂದು ಪರಿಗಣಿತವಾಗಿದೆ. ಪ೦ಪ ಅವರು ಬರೆದಿರುವ 'ಪ೦ಪ ಭಾರತ' ಹಾಗು ಅವರ ಇನ್ನೊಂದು ಮುಖ್ಯಕೃತಿಯಾದ 'ಆದಿಪುರಾಣ'ದ ಮೂಲಕ ಪಂಪ ಕನ್ನಡ ಕಾವ್ಯಪರಂಪರೆಯ ದಿಗ್ಗಜರಲ್ಲಿ ಒಬ್ಬರಾಗಿದ್ದಾರೆ

<u>ನಡುಗನ್ನಡ:</u>

ನಡುಗನ್ನಡ ಸಾಹಿತ್ಯದಲ್ಲಿ ಅನೇಕ ಹೊಸ ಸಾಹಿತ್ಯ ಪ್ರಕಾರಗಳು ಬೆಳಕಿಗೆ ಬಂದವು. ರಗಳೆ, ಸಾಂಗತ್ಯ ಮತ್ತು ದೇಸಿ ಇವುಗಳಲ್ಲಿ ಮುಖ್ಯವಾದವು. ಈ ಘಟ್ಟದಲ್ಲಿ ಹರಿಹರ ಮತ್ತು ರಾಘವಾಂಕ ಪ್ರಮುಖ ಲೇಖಕರಾಗಿದ್ದರು. ಇಬ್ಬರೂ ತಮ್ಮದೇ ಶೈಲಿಯಲ್ಲಿ ಕನ್ನಡ ಸಾಹಿತ್ಯದ ದಾರಿಯನ್ನು ಬೆಳಗಿದರು. ಹರಿಹರ ಅವರು ತನ್ನ ಶೈವ ಮತ್ತು ವೀರಶೈವ ಕೃತಿಗಳ ಮೂಲಕ ರಗಳೆ ಸಾಹಿತ್ಯವನ್ನು ಬೆಳಕಿಗೆ ತಂದರು

<u>ಆಧುನಿಕ ಕನ್ನಡ:</u>

ನವೋದಯ ಎಂದರೆ ಹೊಸ ಹುಟ್ಟು. ಬ್ರಿಟಿಷ್ ಆಳ್ವಿಕೆಯ ಪ್ರಾರಂಭದಲ್ಲಿ ಹೆಚ್ಚು ಬೆಳಕು ಕಾಣದೆ ಇದ್ದ ಕನ್ನಡ ಸಾಹಿತ್ಯವು, ೧೯ನೇ ಶತಮಾನದ ಕೊನೆಗೆ ಹಾಗು ೨೦ನೇ ಶತಮಾನದ ಆರಂಭದಲ್ಲಿ ಹೊಸ ಹುಟ್ಟು ಪಡೆಯಿತು. ಈ ಹಂತದಲ್ಲಿ ಬಿ.ಎಂ.ಶ್ರೀ, ಕುವೆಂಪು, ಬೇಂದ್ರೆ, ಶಿವರಾಮ ಕಾರಂತ ಮೊದಲಾದ ಶ್ರೇಷ್ಠ ಲೇಖಕರು ಬೆಳಕಿಗೆ ಬಂದರು

ರಾಘವಾಂಕ ತನ್ನ ೬ ಕೃತಿಗಳ ಮೂಲಕ ಷಟ್ಪದಿ ಛಂದಸ್ಸನ್ನು
ಜನಪ್ರಿಯಗೊಳಿಸಿದರು. ಅವರ ಮುಖ್ಯ ಕೃತಿ ಹರಿಶ್ಚಂದ್ರ ಕಾವ್ಯ,
ಪೌರಾಣಿಕ ಪಾತ್ರವಾದ ಹರಿಶ್ಚಂದ್ರನ ಜೀವನವನ್ನು ಕುರಿತದ್ದು. ಈ ಕೃತಿ
ಸಹ ತನ್ನ ತೀವ್ರವಾದ ಮಾನವತಾವಾದಕ್ಕೆ ಪ್ರಸಿದ್ಧವಾಗಿದೆ

ಇಂದು ನಾವು ಕನ್ನಡ ಸಾಹಿತ್ಯವನ್ನು ಬೆಳೆಸಲು,ಪುರಾತನ ವಸ್ತುಗಳನ್ನು ಉಳಿಸಲು,
ಇತಿಹಾಸವನ್ನು ಎಲ್ಲರಿಗೂ ಪರಿಚಯಿಸಬೇಕು.

ವೈಷ್ಣವಿ.ಆರ್
III year B.Pharm



ನಾ ಯಾರೆಂದು ಗೊತ್ತಿರದೆ ಪ್ರೀತಿಸಿದ ಮೊದಲ ಜೀವ,
ನಾ ಕಣ್ಣಿಗೆ ಕಾಣದಿದ್ದರೂ ನನ್ನನ್ನೇ ಪ್ರಪಂಚವೆಂದು ಕೊಂಡಿರುವ ಭಾವ,
ನಿನಗಿಲ್ಲದಿದ್ದರೂ ನನಗಾಗಿ ಎತ್ತಿಟ್ಟು ತಿನಿಸುವ ಮೋಹ,
ಮೊದಲು ತೀರಿಸಿದವಳು ನೀನು ನನ್ನ ದಾಹ,
ನೀನು ಜೊತೆಯಿರುವೆ ಎಂದು ತಿಳಿದು ಬೆಳೆದು ದೊಡ್ಡವಳಾಗಿ
ನೀ ಇಲ್ಲದಿದ್ದರೆ ನಾನಾಗುವೆ ಅನಾಥ ಶವವಾಗಿ,
ನನಗೆ ಜನ್ಮ ನೀಡಿದವಳು ನೀನು ಸಹೃದಯಿ
ಅವಳೇ ನನ್ನ ಪ್ರೀತಿಯ ಸವಿ....!

ನನ್ನಮ್ಮ❤

ನಿತ್ಯ ಎ.ಟಿ
III year B.Pharm

ತನ್ನೆಲ್ಲಾ ಆಸೆಗಳನೆಲ್ಲ ಕೈಚೆಲ್ಲಿ
ನನ್ನ ಬದುಕ ಕನಸ ಕಂಡವಳು,
ತಾನು ತಣ್ಣೀರ ಕುಡಿದು
ಅಮೃತವ ಬಡಿಸಿದವಳು,
ನನ್ನ ನಗುವಲ್ಲೇ ತನ್ನೆಲ್ಲ ನೋವ ಮರೆವವಳು,
ನನ್ನ ಕಣ್ಣೀರಿಗೆ ಆಸರೆಯಾಗುವವಳು,
ಸದಾ ತನ್ನ ಮಡಿಲ ನೀಡಿ ಸಂತೈಸುವವಳು,
ನಾನು ಕುಗ್ಗಿದಾಗ ಧೈರ್ಯ ತುಂಬುವವಳು,
ನನ್ನ ಬದುಕಿಗೆ ಸ್ಫೂರ್ತಿಯಾದವಳು, ಅವಳೇ
ನನ್ನ ಅಮ್ಮ...!

ಇಂತಿ ನಿನ್ನ ಪುತ್ರಿ
ಪ್ರಿಯ.ಕೆ
IV year B.Pharm

ನನ್ನ ತಾಯಿ.....

ನವಮಾಸ
ನನ್ನನು ಹೊತ್ತಳು,
ನಾ ಹುಟ್ಟುವಾಗ
ಸಂತಸದಿ ಅತ್ತಳು,
ಜೀವತೇದು ನನ್ನ
ಬೆಳೆಸಿದಳು
_ನನ್ನಮ್ಮ

ನನ್ನಮ್ಮನ ಮಡಿಲು ಸ್ವರ್ಗ,
ನನ್ನಮ್ಮನ ಮಾತು ವೇದ,
ನನ್ನಮ್ಮನ ಪ್ರೀತಿ ನಿಸ್ವಾರ್ಥ,
ನನ್ನಮ್ಮನ ಮನಸು ನಿಷ್ಕಲ್ಮಷ,
ಒಟ್ಟಾರೆ ದೈವಸ್ವರೂಪಿ
_ನನ್ನಮ್ಮ

ಗರ್ಭದಲ್ಲಿ ಭ್ರೂಣವ ಬೆಳೆಸಿದಳು!
ಕರುಳುಬಳ್ಳಿಯ ಮೂಲಕ ಪೋಷಿಸಿದಳು!
ಗಂಡೂ ಹೆಣ್ಣೋ ಗೊತ್ತಿಲ್ಲದೆ ಪ್ರೀತಿಸಿದಳು!
ಒಂಬತ್ತು ತಿಂಗಳು ನಲುಗಿ ರಕ್ಷಿಸಿದಳು!
ಜನನವ ಕೊಟ್ಟು ಈ ಭೂಮಿಗೆ
ಪರಿಚಯ ಮಾಡಿದಳು!
ನಾ ಜನಿಸುವಾಗ ನನ್ನಮ್ಮ ಮರುಜನ್ಮ ಪಡೆದಳು !
ನನ್ನ ಶಕ್ತಿ, ನನ್ನ ಧೈರ್ಯ
__ ನನ್ನಮ್ಮ.

ಗರ್ಭದಲ್ಲೆ ಗುಡಿಕಟ್ಟಿ,
ರಕ್ತದಲ್ಲೇ ಅಭಿಷೇಕ ಮಾಡಿ,
ಕರುಳನ್ನೇ ಹಾರ ಮಾಡಿ,
ಒಂಬತ್ತು ತಿಂಗಳು ನನ್ನ ಹೊತ್ತು,
ಸಾಕಿ ಸಲಹಿದಳು
_ ನನ್ನಮ್ಮ

ಬೆಳದಿಂಗಳ ಬೆಳಕು ನೀನು,
ಆ ಬೆಳಕನ್ನೆ ಜೀವ ಮಾಡಿಕೊಂಡಿರುವೆ ನಾನು,
ಮರಗಿಡಗಳ ಗಾಳಿ ನೀನು,
ಆ ಗಾಳಿಯಲ್ಲೆ
ಉಸಿರಾಡುತಿರುವೆ ನಾನು,
ನನ್ನ ಜೀವನದ
ಸ್ಫೂರ್ತಿದಾಯಕಿ ನೀನು,
ನಮ್ಮ ಮನೆಯ ಜ್ಯೋತಿಯು ನೀನು
__ ನನ್ನಮ್ಮ

ವಿನುತಾ ಕೆ.ವಿ.
II year B.Pharm

ಮಗುವಿನ ಮನಸ್ಸು!!

ಪಿಳಿ ಪಿಳಿ ಕಂಗಳ ಮಗುವಿನ ಮನಸ್ಸು
ತಿಳಿಯಾದ ಆಗಸದಂತೆ
ಪಳ ಪಳ ಹೊಳೆಯುವ
ಹಾಲುಗೆನ್ನೆಯ ನಗುವ
ಚಂದಿರನ ಹೊಳಪಂತೆ
ಸಕ್ಕರೆಯಂತೆ ಅಕ್ಕರೆ
ತೋರುವ ಮಗುವಿನ ಪ್ರೀತಿಯು
ಚಂದಿರನ ತಂಗಾಳಿಯಂತೆ
ಅಮ್ಮಾ ಎಂಬ ಕಂದನ ನುಡಿಯು
ಹೂಗಿಡಕೆ ಮುತ್ತಿಕ್ಕುವ ಇಬ್ಬನಿಯಂತ
ಕಪಟ, ಕ್ರೋಧ, ಅರಿಯದ
ಮಗುವಿನ ಮನಸ್ಸು ಸೂರ್ಯ ಚಂದ್ರರೂ ನಾಚುವಂತೆ

ಹರ್ಷಿತಾ ಎಂ
IV year B.Pharm

ಅಪ್ಪ

ಎನ್ನ ಮುದ್ದಿಸಿದ ಆ ದಿನಗಳು ನಾನು
ಹೇಗೆ ಮರೆಯಲಿ ಅಪ್ಪ

ಪ್ರೇಮದ ಹಣತೆಯಲ್ಲಿ ಪ್ರೀತಿ ತೈಲವ
ಸುರಿದು ನನ್ನ ಬಾಳ ಜ್ಯೋತಿಗೆ ನಂದಾದೀಪವಾದ
ನಿನ್ನ ಹೇಗೆ ಮರೆಯಲಿ ಅಪ್ಪ

ನನ್ನ ತೊದಲ ನುಡಿಯನ್ನು ಅಮ್ಮ ತಿದ್ದಿದ್ದರೆ
ನನ್ನ ಬಾಳನ್ನೇ ತಿದ್ದಿದ ಎರಡನೇ ಗುರು ನೀನಲ್ಲವೇ ಅಪ್ಪ

ಕಷ್ಟ ಸುಖ ಸಹಿಸುತಲಿ ಸಂಸಾರ ನೋಗ
ಹೊತ್ತು ಒಂದಿಷ್ಟು ಕಷ್ಟ ತೋರಿಸದೆ
ನಸುನಗುತ ಮುನ್ನಡೆದೆ ನೀನು

ನಿನ್ನ ಆಸೆಗಳೆಲ್ಲ ನನ್ನ ಬಾಲೊಳು ಕಂಡು
ಸಂತಸದಿ ನಗುವ ನನ್ನಪ್ಪ ನೀನಲ್ಲವೇ

ನಗುತಾ ಎನ್ನಯ್ಯ ಗುರಿಯ ತಲುಪಿಸಿ ನೀನು
ಆ ಗುರಿಯ ಸಾಧನೆಯ ಕಂಡು ಹೆಮ್ಮೆಯಲಿ
ಬಿಗುವ ನನ್ನಪ್ಪ ನೀನಲ್ಲವೇ

S Aishwarya
II year B pharm

ಸ್ನೇಹಿತರು...

ಖುಷಿಯಾದಾಗ ಜೊತೆ ಸೇರಿ ನಗುವಿರಿ,
ಅತ್ತಾಗ ನನ್ನ ಜೊತೆಯೇ ಸೇರಿ ಅಳುವಿರಿ,
ಗೆದ್ದಾಗ ನನಗಿಂತ ಮೊದಲೇ ಹಿಗ್ಗುವಿರಿ,
ನನ್ನ ಎಲ್ಲಾ ಅಭದ್ರತೆಗಳನ್ನು ಕಣ್ಣಿಗೆ ಕಾಣದಂತೆ ಓಡಿಸಿರುವಿರಿ,
ಸ್ವಾರ್ಥದ ಈ ಪ್ರಪಂಚದಲ್ಲಿ ನಿಸ್ವಾರ್ಥಿಗಳಾಗಿ ಸಿಕ್ಕಿರುವಿರಿ,
ಈ ಜನ್ಮವಲ್ಲದೆ ಮುಂದಿನ ಎಲ್ಲಾ ಜನ್ಮಗಳಲ್ಲಿಯೂ ನನ್ನ ಸ್ನೇಹಿತರಾಗಿಯೇ ಇರಿ ಇರಿ ಇರಿ.....

ಭೂಮಿಕ ಜಿ ಆರ್
III year B.Pharm

Alumni Desk....



I absolutely love my collage !
The professors are super knowledgeable and always ready to help. There are so many events to get involved in ,It's been an amazing experience so far!

Shivaprakash
Anglo French

Had the best people around, Oxbridge gave the life time cherishing moments. Privileged to be part of this organization and thank you for the opportunities and making me improve my capabilities.



Ruchitha Raj P
Caretosure pvt ltd



My collage is an hidden gem! The small class size allow for personalized attention, the professors really care about our succes. It's such a great place to learn and grow

Yadav Ravi Prakash
Zydus Healthcare

I am happy to be part of this college. The professors are not only experts in their field but also genuinely care about their students success and the student community is so supportive.



Umesh Jaiswal
Alkem Company

Alumni Desk....



Thank to Oxbridge family to provide me such a great platform to realise my potential and capability and also provided me excellent positive association where I always find myself as improving individual.

Kavya T
Manipal Hospital



First of all I feel proud to be a part of oxbridge college . In my opinion college is not only about studies ,but it is experienced competition, fun, curiosity, creativity, forgiveness, in short to become a complete human.

Basavaraj A Shivapooji
Anglo French



I am thankful to God for I got the admission in such a best college. I am also thankful to all the members of oxbridge family to give their support each and every time when we need

Vijeth S R
Medreich



Oxbridge believes in quality education. Teaching facilities are good in this college. The institute always thinks first about students , so that students can enhance their inner abilities.

Sumanth
Med Plus

GUEST MESSAGE..



Shri.Bhagoji T Khanapure
Drugs Controller Karnataka State

It is with greatest pleasure that I extend my heartfelt blessings for the Oxbridge college of Pharmacy Annual Magazine 2024.
Your dedication to capturing the essence of the college community, showcasing the Achievements, and fostering intellectual exchange among students, faculty, and Alumni is truly commendable. The magazine serves as a vital platform for sharing Knowledge, experiences, and insights that enrich the academic journey and Strengthen our bonds as a community.

I want to express my heartfelt appreciation for the hard work and creativity you put into each edition. Your commitment to excellence shines through in every page, Inspiring all to strive for greatness in our respective fields.
Best wishes for the continued success of the Oxbridge College of Pharmacy, and look forward to seeing the incredible contributions from our talented community.

Shri.Bhagoji T Khanapure
Drugs controller
Karnataka state



Dr. Shivakumar Hugar

BLDEA's SSM College of Pharmacy
President APTI, Karnataka, M. Pharm., Ph.D. and
Research Centrte Professor and Head
Accredited 'A++' Grade by NAAC P.G. Dept. of
Pharmacology Vijayapur – 586103, Karnataka, India
: 9448404102 **☎ : 08532-264004**
: shivkumarhugar@yahoo.com

It gives me an immence pleasure to learn that Oxbridge College of Pharmacy, Bangalore, is celebrating the Graduation Ceremony and Fresher's Day on 28th February 2024. It is a matter of pride that on this auspicious day the college magazine editorial committe has put in their best efforts to bring out the First Magazine by name OXIZINE for the academic year 2023-24.

I feel this magazine will reflect the creative and innovative ideas of both the teachers and the students. I hope, the articles published in it, will be of contemporary relevance and also exhibit the latent talents of faculty and the students as story tellers, poets, essayists and so on. I can understand the hard work undertaken by the magazine committee to make it a reality in a meaningful way.

I Wholeheartedly Congratulate the Management, Principal, Vice Principal, All Faculties, Editorial Team, Graduating Students and Freshers of Oxbridge College of Pharmacy for their dedication to release successfully the Oxizine Magzine in a very useful way. I am confident that members of organizing committee are working with a missionary zeal and great enthusiasm for celebrating this prestigious event.

I must congratulate and appreciate all the advertisers whose contribution and support is also significant to bring out the elegant magazine Oxizine.

On the occasion of Graduation Ceremony and Fresher's Day Celebration 2024, I would like to convey my heartiest wishes for the grand success with most famous quote of former Indian President A.P.J. Abdul Kalam

" The purpose of education is to make good human beings with skill and expertise"

WITH BEST WISHES AND REGARDS

Dr.Shivakumar Hugar

Bid farewell to graduates and welcome freshers



Dr.G.Jagadeesh
US Food and Drug Administration
Silver Spring, Maryland, USA

• Outgoing Graduates:

Congratulations, graduates! This significant milestone signifies the zenith of your dedication and hard work. Achieving success often demands perseverance. Do take the time to revel in this accomplishment and anticipate the promising opportunities that lie ahead in your future endeavors.

It has been a privilege to be part of your academic journey. I had the honor of delivering a presentation on the subject of "The Process of Scientific Publication in Journals" in April 2023, at the invitation of your esteemed principal. I vividly recall witnessing your undivided attention and eagerness during my lecture. Those cherished moments resonate with me. It is commonly stated that educators (that is teachers) are perpetual learners, and likewise, students embark on a lifelong quest for knowledge. Continue to explore, absorb new insights, and evolve. The path of learning is an extensive one, with each day bringing new discoveries.

As you commence this next phase of your life, bear in mind that this journey is merely commencing. The world is vast and captivating. Embrace its wonders, venture forth, and allow novel experiences to shape your worldview. The world awaits the impact of your intellect, enthusiasm, and distinctive contributions as an educator, scholar, researcher, leader, administrator, or entrepreneur.

In the words of the revered late president, Dr. Abdul Kalam ji, dare to dream, set lofty goals, and remain focused on your purpose. Whether you are pursuing higher education, entering the workforce, or embarking on an adventure, rest assured that you possess the ability to effect positive change.

My sincerest wish is that your path be adorned with joy, resilience, self-reliance, humility, and compassion. May triumph accompany you in all your future endeavors.

"Your education is indeed a valuable asset. It is crucial not to simply carry it forward, but to also impart knowledge to the world."

• Welcome Freshers (New Students)

Knowing the known is knowledge, and Knowing the unknown is wisdom

I would like to extend my congratulations on your admission and extend a warm welcome to the dynamic field of pharmacy. India has a rich history in pharmacy, notably through the contributions of ancient scholars such as Sushruta and Charaka who compiled extensive Ayurvedic knowledge in a fundamental text dating back to 800 BCE. As you embark on this new chapter in your educational journey, it is crucial to maintain a strong commitment to learning and engagement within the academic and extracurricular spheres at Oxbridge College of Pharmacy, Bengaluru. I encourage you to embrace opportunities that will sharpen your mind and enrich your intellectual pursuits. I wish you all the best in your endeavors.

I would like to emphasize the importance of nurturing and preserving two valuable attributes that you possess — intelligence and creativity. These qualities are key indicators of academic success and meaningful cognitive performance. For these traits to remain pristine and unblemished, they must be diligently nurtured and protected. Creativity is a fundamental aspect of intelligence, manifesting in the form of innovative ideas and unconventional thinking. To foster creativity, consistent practice is essential. Familiarize yourself with the fundamental skills of creative thinking and engage in activities that stimulate your creative thoughts. By nurturing your creativity, you will witness a continuous flow of innovative ideas. It is imperative to translate these ideas into tangible innovations through diligent implementation.

.The foundation for generating novel ideas lies in acquiring a thorough knowledge of the subject matter through extensive reading and writing. It is important to cultivate a habit of voracious reading to broaden your knowledge base, which will serve as a catalyst for innovative thinking. Engaging in extensive reading and textual analysis will unveil a wealth of ideas for future research and project developments. By dedicating significant time and effort to problem-solving, you will uncover solutions critical to your academic pursuits. Remember, the journey of discovery knows no bounds, and it requires determination and perseverance. In the words of Aristotle, true learning often involves overcoming challenges.
Reflecting on the wisdom shared by the esteemed Kannada poet Shri Puligere Somanath from the 13th century, it is evident that there are six primary avenues for learning: attentive listening during lectures, diligent reading of academic literature (books and journal articles), learning from experienced individuals and achievers, relying on one's intellect and judgment, keen observation coupled with curiosity, and seeking guidance from knowledgeable peers. Adhering to these principles will undoubtedly enhance your academic prowess.

ಕೆಲವಂ ಬಲ್ಲವರಿಂದ ಕಲ್ತು ಕೆಲವಂ ಶಾಸ್ತ್ರಂಗಳಂ ಕೇಳುತುಂ
ಕೆಲವಂ ಮಾಳ್ಪವರಿಂದ ಕಂಡು ಕೆಲವಂ ಸುಜ್ಞಾನದಿಂ ನೋಡುತುಂ
ಕೆಲವಂ ಸಜ್ಜನ ಸಂಗದಿಂದಲರಿಯಲ್ ಸರ್ವಜ್ಞನಪ್ಪಂ ನರಂ
ಪಲವುಂ ಪಳ್ಳ ಸಮುದ್ರವೈ ಹರಹರಾ ಶ್ರೀಚೆನ್ನಸೋಮೇಶ್ವರಾ ||

— ಪುಲಿಗೆರೆ ಸೋಮನಾಥನ 'ಸೋಮೇಶ್ವರ ಶತಕ' (1299)

In conclusion, I urge you to remain dedicated to your academic pursuits, research endeavors, and scholarly publications. Success in academia hinges on a blend of intelligence, creativity, critical thinking, motivation, skills, conducive environments, perseverance, effective learning strategies, and diligent effort. I extend my best wishes to all incoming freshmen as you embark on a journey of discovery, passion, and personal growth in pursuit of your academic aspirations.

From: Dr. G. Jagadeesh.
Formerly, Senior Expert Pharmacologist, Office of Cardiology, Hematology, Endocrinology, and Nephrology, Center for Drug Evaluation and Research, US Food and Drug Administration, Silver Spring, Maryland, USA.
Presently, Distinguished Visiting Professor,College of Pharmaceutical Sciences, Dayananda Sagar University, Bengaluru;
Visiting professor at College of Pharmacy, Adichunchanagiri University, Karnataka; and
College of Pharmaceutical Sciences, Manipal Academy of Higher Education, Manipal, India.
Senior consultant & Advisor, Auxochromofours Solutions Private Limited, Bengaluru, India



Dr. V. Kusum Devi
Principal,
Nitte College of Pharmaceutical Sciences
Bangalore

Dear Esteemed Oxbridge College Community,

It is with great pleasure that I extend my heartfelt congratulations and admiration to Oxbridge College of Pharmacy. As I reflect on the achievements and contributions of this esteemed institution, I find it fitting to express my thoughts in the pages of the Oxbridge College magazine. Nestled in the energetic metropolis of Bangalore, Oxbridge College of Pharmacy stands as a shining example of unwavering dedication to pharmaceutical education. This institution is striving to set new standards through its commitment to academic excellence and the holistic development of students

Commencing with appreciation of facilities gracing the Oxbridge College campus, from contemporary classrooms, well-equipped laboratories, and an extensive library, it is evident that the foundation for academic brilliance is solidly laid. These resources form the crucible for students to delve into the complexities of pharmaceutical science, fostering a culture of hands-on learning that prepare them for the dynamic pharmaceutical sector.

The proficient and dedicated professors contribute significantly to the academic environment, ensuring the delivery of top-notch education and mentorship.

Beyond the confines of academia, Oxbridge College's emphasis on holistic development is noteworthy. Students are encouraged to participate in numerous extracurricular and student programs, including workshops, sporting events, and cultural gatherings. This multifaceted approach ensures that graduates not only excel academically but also develop critical soft skills essential for success in the pharmaceutical industry.

I am particularly impressed with the Management's and Principal’s profound involvement and their attention to every aspect of student development. The collaborative efforts with pharmaceutical companies and healthcare groups to bridge the gap between academia and industry are especially laudable. Graduates emerge not only academically proficient but also as ethical leaders dedicated to patient safety and equipped to making significant contributions to society. The college's dedication to lifelong learning and adaptation equips students to navigate the rapidly changing field of pharmaceutical sciences and contribute meaningfully to society. Through its diverse activities, Oxbridge College significantly contributes to improving healthcare, stimulating economic growth, and creating a better future for India.



Dr Gaurav Mathur
Senior Director Regulatory Affairs,
Parexel International

To the graduating students of Oxbridge College of Pharmacy, congratulations on reaching this significant milestone! Your hard work, dedication, and resilience have brought you to this momentous occasion. As you embark on the next chapter of your journey, remember to stay curious, embrace challenges, and continue striving for excellence. Your education here has equipped you with the knowledge and skills to make a positive impact in the field of pharmacy and beyond.

And to the incoming freshers, welcome to Oxbridge! You are about to embark on an incredible journey filled with growth, discovery, and endless possibilities. Embrace every opportunity, push your boundaries, and never underestimate your potential. The journey ahead may have its challenges, but with determination and passion, you will thrive. Here's to a future filled with success, fulfillment, and endless opportunities. Congratulations, and best wishes to both our graduates and our newcomers!

It is heartening to know that the Oxbridge College of Pharmacy, Bengaluru is releasing its College Magazine OXIZINE on the occasion of Graduation Day and Fresher's Day"-2024.
A college magazine reflects the compilation of the whole year activities and presenting so as to make the next ensuing year more BEST. It is due to the efforts of the teachers and the students to contribute scholastic articles, innovative research done and results achieved to the magazine in a creative manner. The content presented through it not only mirrors the creative talents of the contributors but also their analytical thinking. I can understand the hard work undertaken by the OXIZINE committee to make it into a reality in a meaningful way.

I congratulate the Management, Principal, Staff, Students & the Magazine committee members on their successful effort to bring out the OXIZINE.

I wish the Graduation Day and the Freshers' Day a great Grand SUCCESS.



Dr. Md SALAHUDDIN
Professor & Principal
Al-Ameen College of Pharmacy

Graduation day 2021-22



"Cherish the lessons learned, for they are the building blocks of wisdom."

"Going confidently in the direction of dream's."





“A milestone achieved, dreams realized, and paths diverging. Celebrate your accomplishments, embrace new beginnings, and chase your aspirations with passion. Congratulations, graduates! ”



"Congratulations on your graduation! It's a testament to your hard work, dedication, and resilience. Embrace this milestone with pride and step confidently into the next chapter of your journey."

"As we walk across the stage, a journey ends, but memories forever remain. Tears of joy mingle with bittersweet goodbyes, for today, we embrace the end of one chapter and the beginning of another."





In the sea of caps and gowns, amidst cheers and applause, we stand on the precipice of our futures. Though our paths diverge, the bonds we've forged will forever tether us to this moment in time."

Graduates Of 2022-23





Pharm D Interns



Interns in Hospital

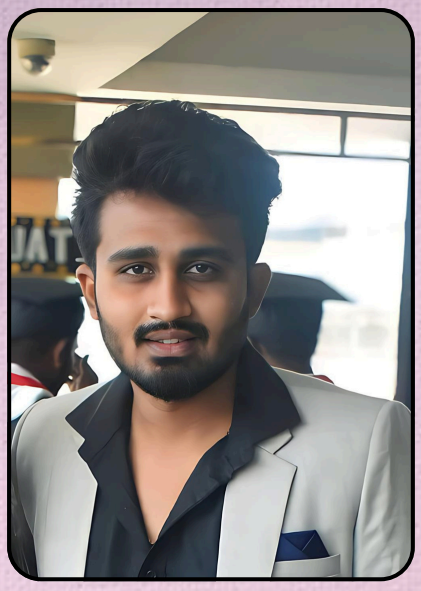


MAGAZINE COMMITTEE

"It's been an immense pleasure to be a part of this magazine committee
We are really happy and learnt many things while making this magazine
It's been a great fun and enjoyed a lot through the process and made us to be active and creative in the college"



Rushikesh
IV year Pharm.D



Laxmesh N
IV year B.Pharm



Priya K
IV year B.Pharm



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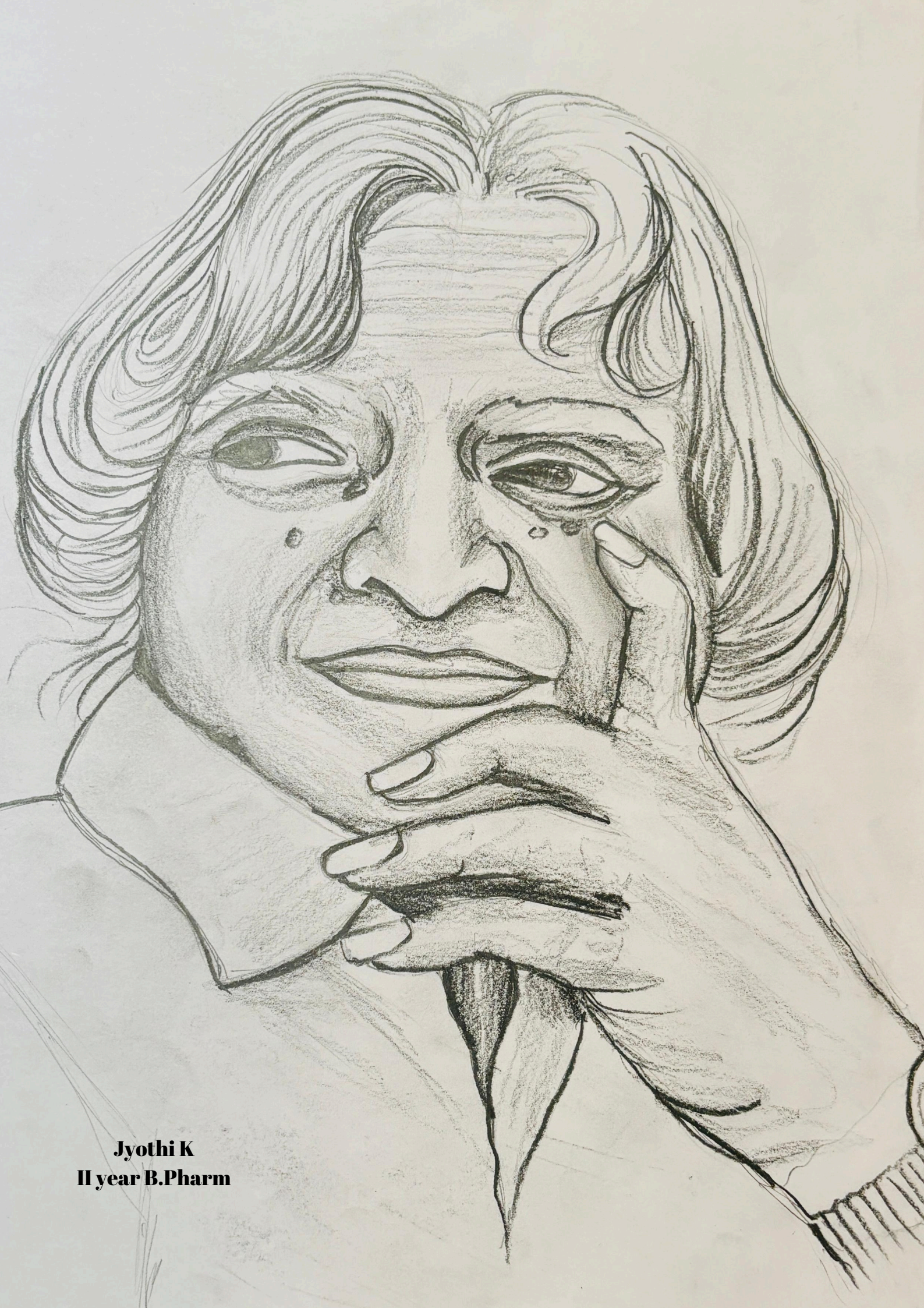
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Jyothi K
II year B.Pharm













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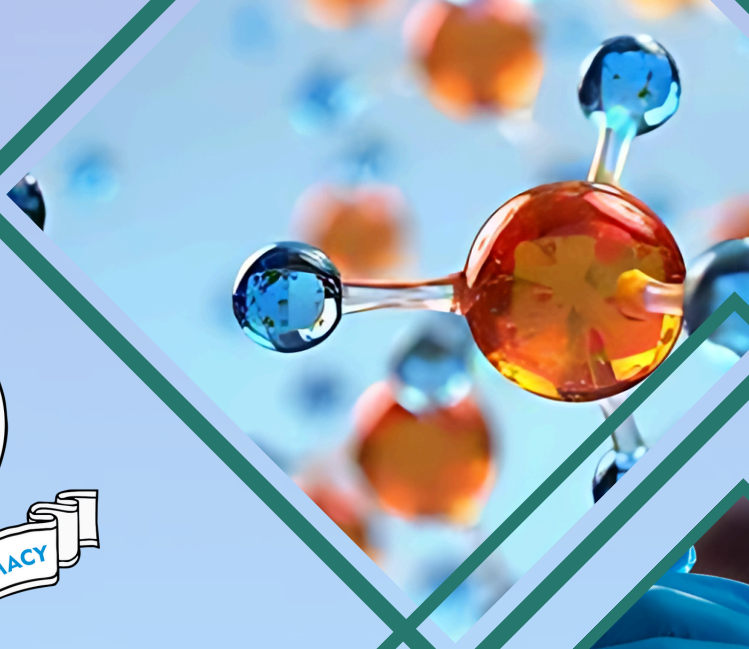
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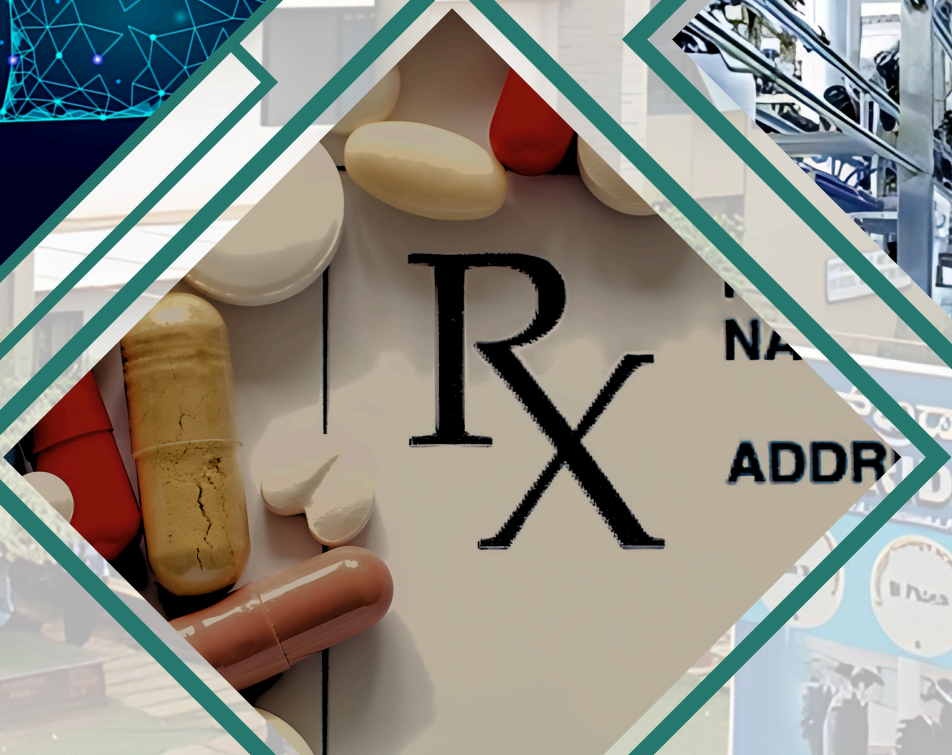
ಆಕ್ಸಿಜ಼ಿನ್

ದಿ ಆಕ್ಸ್‌ಬ್ರಿಡ್ಜ್ ಕಾಲೇಜ್ ಆಫ್ ಫಾರ್ಮಸಿ ನಿಯತಕಾಲಿಕ

"ನಾಳೆಯ ಆರೋಗ್ಯ ನಾಯಕರನ್ನು ಇಂದೆ ರೂಪಿಸುತ್ತೇವೆ"







೧ನೇ ಆವೃತ್ತಿ