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The Number of Patents / Copyrights Published / Awarded / Technology-Transferred during the last five years

S. No.	Name of the Patentor / Copyright awardee	Patent / Copyright Number	Title of the Patent / Copyright	Academic Year
1	Dr. Siddharth Mehta Dr. Anjali Mehta Dr. Nikhil Marwah	385522-001	Light equipped dental suction device	2022-23
2	Dr. Rajendra Prasad Sharma	202211067244	A methodology to predict the impact of cachexia and its adverse effects on patients suffering from chronic heart diseases	2022-23
3	Dr. Jagdish Prasad Sharma	202211071426	Implementation of Classification Models and Their Impact on Treating Cancerous Nodes Through Nanoparticles	2022-23
4	Dr. Nivedita Saxena	202341008371	Herbal Dental gel formulation of Zingiber officianale, Salvodera persica and Cinnamomum zeylanicum	2022-23
5	Dr Pragati Kaurani	371046-001	Impression making device for Auricular Prosthesis	2022-23
6	Dr. Shipra Jain Dr. Priyanka Rathi Dr. Swati Garg	202211042750 A	An application based Medical Student's Feedback System	2022-23
7	Dr. Manoj Sharma Dr. Brijesh Sharma Dr. Saurabh Jagtap Dr. Dipanshu Sharma Dr. Neelam Sharma Dr. Hemdutt Jangir	381572-001	Brain Relaxing Therapy Device	2022-23
8	Dr. Richa Sharma	202311036704	Novel organoarsenic and method of synthesis thereof	2022-23
9	Dr. Ashima Singla	202311036813	A novel antibacterial and its synthesis thereof	2022-23

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S. No.	Name of the Patentor / Copyright awardee	Patent / Copyright Number	Title of the Patent / Copyright	Academic Year
10	Dr. Manju Raghav	202311036820	A novel arsenical as fungicides and its synthesis thereof	2022-23
11	Dr. Bushra Fiza	202311036819	A novel antitumor and its synthesis thereof	2022-23
12	Dr. Rajat Bhargava	202311036814	A novel bismuthino salt as gastroprotective agent and its synthesis thereof	2022-23
13	Dr. Manish Rijwani	202311036821	A novel antibacterial for dermal care and its processing thereof	2022-23
14	Dr. Hemant Malhotra	202311036822	A novel tumor suppressing agent and its processing thereof	2022-23
15	Dr. Ajay Yadav	202311036823	A novel metal-based tumor cell proliferation suppression agent and its processing thereof	2022-23
16	Dr. Manisha Nijhawan	202311036824	A novel anti-fungal agent against aspergillosis and its processing	2022-23
17	Dr. Nitin Khunteta	202311036825	A novel antitumor agent and its processing	2022-23
18	Dr. Manojit Mahato Dr. Anant Nigam Dr. Nikhil Marwah	ISBN: 978-620-4-95322-9	Minor oral surgical procedures in pediatric patients	2022-23
19	Dr. Vikas K. Singh	ISBN: 978-620-4-98289-2	Textbook of microvascular surgery for oral and maxillofacial surgeons	2022-23
20	Dr. Ranal Maheshwari Dr. Siddharth Mehta Dr. Kamal Bajaj	ISBN: 978-620-5-51138-1	Non-Surgical management of vertical class II malocclusion	2022-23
21	Dr. Amrita Aggarwal	ISBN: 9786204982755	Drug Regimens in Oral Medicine	2022-23
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S. No.	Name of the Patentor / Copyright awardee	Patent / Copyright Number	Title of the Patent / Copyright	Academic Year
23	Dr. Richa Sharma	ISBN: 978-620-6-16352-7	Essential Oils : An Alternative Therapy for Treatment of Dermatophytosis	2022-23
24	Dr. Vikas Sharma	ISBN: 978-93-95361-37-8	Applied Biochemistry	2022-23
25	Mr. Abhishek Jadaun	ISBN: 978-93-95361897	Health / Nursing Informatics And Technology	2022-23
26	Dr. Deepak Raisingani Dr. Harshit Srivastava Dr. Saloni Vijaywargiya	ISBN: 978-620-5-52599-9	Indirect tooth-colored restorations	2022-23
27	Dr. Deepak Raisingani Dr. Ashwini B. Prasad Dr. Ridhima Gupta	ISBN: 978-620-5-52605-7	Biofilms in Endodontics	2022-23
28	Dr. Deepak Raisingani Dr. Ashwini B. Prasad Dr. Rimjhim Jain	ISBN: 978-620-5-52554-8	Pulp capping materials and its recent advances	2022-23
29	Dr. Ravi Jain	ISBN-13: 978-9356961531	Critical Care Update-2023	2022-23
30	Dr. Shrishti Chalana Dr. Shantanu Jain Dr. Nikhil Marwah	ISBN: 978-620-4-95647-3	Medical Emergencies in Dental Practice	2022-23
31	Dr. Divya Gera	19971/2022-CO/L	My Dentist friend saves my teeth	2022-23
32	Dr. Divya Gera	21562/2022-CO/L	My Pedodontist friend saves my teeth	2022-23

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S. No.	Name of the Patentor / Copyright awardee	Patent / Copyright Number	Title of the Patent / Copyright	Academic Year
33	Dr. Prachi Sharma	ISBN: 978-620-6-16068-7	Nutrition and Oral Health	2022-23
34	Dr. Monica Singh	B0C3XVY1TZ	Sterilization In Dentistry- Part 1	2022-23
35	Dr. Divya Gera Dr. Anant Nigam Dr. Nikhil Marwah	ISBN: 978-620-4-95294-9	Pediatric oral pathology	2022-23
36	Dr. Mitakshara Nirwan Dr. Nikhil Marwah Dr. Shradha Jain	ISBN: 978-620-5-61373-3	Handicapped child	2022-23
37	Dr. Shradha Jain Dr. Bharthi Padiyar Dr. Nikhil Marwah	ISBN: 978-3-330-32987-4	General Anesthesia for children	2022-23
38	Dr. Nikhil Marwah	ISBN-13: 978-9356961012	Textbook of Pediatric Dentistry	2022-23
39	Dr. Vikas sharma	202211052848	Classification models for early detection and prediction of cancer with improved efficiency	2021-22
40	Dr. Bhartendra Sharma	202211056590	Artificial intelligence-based approach to study the anti-cancer effects of thymoquinone on breast cancer cells through natural killer cell activity	2021-22
41	Dr. Bhartendra Sharma	202241057763	Impact of rewards on employee motivation	2021-22
42	Dr. Rajendra Prasad Sharma Dr. Jagdish Prasad Sharma	202241049037	Artificial intelligent based prediction and prevention of different eye diseases based on fundus photography using deep learning algorithms	2021-22
43	Dr. Nivedita Saxena	202141010426	Formulation of Mouthwash with ethanolic extract of Mentha arvensis	2021-22

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S. No.	Name of the Patentor / Copyright awardee	Patent / Copyright Number	Title of the Patent / Copyright	Academic Year
44	Dr. Richa Sharma	ISBN: 978-93-91002-91-6	Biotechnology and Covid-19 Pandemic: Role of Biotechnology in Covid Vaccine Development	2021-22
45	Dr. Richa Sharma	ISBN 978-93-5547-151-2	Recent Developments in Medicine & Medical Research	2021-22
46	Dr. Richa Sharma	ISBN: 978-620-4-71906-1	Natural Medicinal Products (Book)	2021-22
47	Dr. Omprakash Swami	ISBN: 978-93-90582-09-9	B.Sc. Nursing Solved Papers-IV YEAR	2021-22
48	Dr. Omprakash Swami	ISBN: 978-93-90582-17-4	B.Sc. Nursing Solved Papers-III YEAR	2021-22
49	Dr. Tanjul Saxena	ISBN: 978-981-19-3076-8	Human Resource Management for Healthcare Organizations	2021-22
50	Dr. Deepak Raisingani Dr. Pragya Singhal	ISBN: 978-620-5-51720-8	Root Canal perforation	2021-22
51	Dr. Deepak Raisingani Dr. Aarushi Chopra	ISBN: 978-620-5-52604-0	Endodontic emergencies	2021-22
52	D. Ravi Jain	ISBN-13: 978-9354656521	Critical Care Update -2022	2021-22
53	Dr. Ravi Jain	ISBN-13: 9789811699283	Onco-Critical Care: An Evidence-Based Approach	2021-22
54	Dr. Ravi Jain	ISBN-13: 978-9354662133	Infectious Disease in Critical Care--A Case Based Approach	2021-22
55	Dr. Ravi Jain	ISBN: 9789352701919	Textbook Of Emergency and Trauma Care	2021-22
56	Dr. Priyanka Lekhwani Dr. Nikhil Marwah Dr. Anant Nigam	ISBN: 978-620-4-20147-4	Non pharmacological behaviour modification	2021-22
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S. No.	Name of the Patentor / Copyright awardee	Patent / Copyright Number	Title of the Patent / Copyright	Academic Year
58	Dr. Vaishali Jamdade	ASIN: B09DGJSMR2	E-book- Gateway of Health	2021-22
59	Dr. M.K Kakkar	IAP Presidential Action Plan 2020	Spinal Muscular Atrophy	2019-20
60	Dr. Madhu Mathur	IAP Presidential Action Plan 2020	Neuropathic Bladder	2019-20
61	Dr. Madhu Mathur	IAP Presidential Action Plan 2020	Vesicoureteral Reflux (VUR) and Scaring of Kidneys	2019-20
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63	Dr. Nikita Gupta	ISBN: 9786203926422	Silver Bullets - Advances in Fluoride Dentistry	2019-20
64	Dr. S K Meena	Patent	Hand Splints	2019-20
65	Dr. Nikhil Marwah Dr. Yogita Chaturvedi	Patent	Manuka Honey and Turmeric Obturating Paste	2019-20
66	Dr. Nikhil Bansal	Patent	USG Probe Guide	2019-20
67	Dr. Siddharth Mehta Dr. Nikhil Marwah	Patent	Suction Tip cum Illuminator	2019-20
68	Dr. Nikhil Marwah	ISBN: 978-935270529-0	Text Book of Pedodontics	2018-19

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Design Application Details

Application Number: 385522-001

Cbr Number: 205499

Cbr Date: 03/05/2023 17:18:24

Applicant Name:

1. Dr. Siddharth Mehta
2. Dr. Anjali Jain Mehta
3. Dr. Nikhil Marwah

Design Application Status

Application Status: Application Under Process(wating for Technical Examination)

[Back](#)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

Design Office, Kolkata : controllerdesign.ipo@nic.in

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Application Details

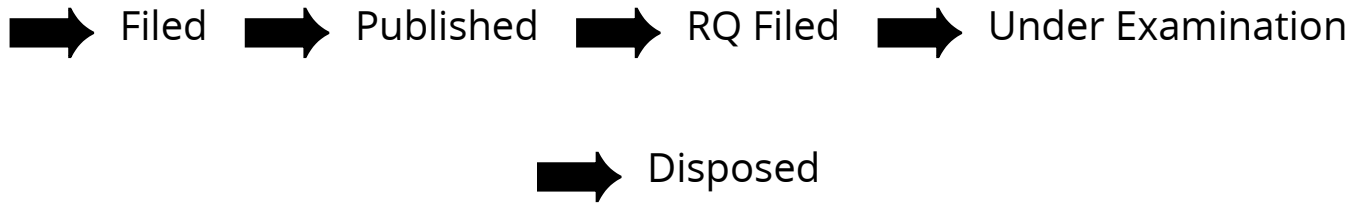
APPLICATION NUMBER	202211067244
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/11/2022
APPLICANT NAME	1 . Dr. RAJENDRA PRASAD SHÂRMÂ 2 . PRAJVAL V 3 . SHYAMALI DAS 4 . Dr. P. SENTHIL KUMARI 5 . Dr RAJKUMAR G NADAKINAMANI 6 . Dr. U.P. LANDE 7 . Dr. S. V. GAWANDE 8 . Dr.THOMAS LEONID T 9 . Dr.V. BALAJI 10 . Dr. D. VEERA NAGENDRA KUMAR 11 . VENKATESH 12 . MADAN MOHAN M
TITLE OF INVENTION	A METHODOLOGY TO PREDICT THE IMPACT OF CACHEXIA AND ITS ADVERSE EFFECTS ON PATIENTS SUFFERING FROM CHRONIC HEART DISEASES
FIELD OF INVENTION	CHEMICAL
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ADDITIONAL-EMAIL (As Per Record)	sgowthami12@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	09/12/2022

Application Status

APPLICATION STATUS

Awaiting Request for Examination

[View Documents](#)



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FORM 1
THE PATENTS ACT, 1970
(39 of 1970)
&
THE PATENTS RULES, 2003
APPLICATION FOR GRANT OF PATENT
[See sections 7,54 & 135 and rule 20(1)]

(FOR OFFICE USE ONLY)

Application No.:

Filing Date:

Amount of Fee Paid:

CBR No.:

Signature:

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5	Dr RAJKUMAR G NADAKINAMANI	India	SPECIALIST CARDIOLOGIST, KHAIRWAD, NANDAGAD, BELGAUM, KARNATAKA 591120	India	Karnataka	Belgaum	BELGAUM
6	Dr. U.P. LANDE	India	ASSISTANT PROFESSOR, DEPARTMENT OF ZOOLOGY, SHRI SHIVAJI COLLEGE, AKOLA 444001	India	Maharashtra	Akola	AKOLA
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12	MADAN MOHAN M	India	ASSISTANT PROFESSOR, COMPUTER SCIENCE AND ENGINEERING, NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE, 641105	India	Tamil Nadu	Coimbatore	COIMBATORE

3. TITLE OF THE INVENTION: A METHODOLOGY TO PREDICT THE IMPACT OF CACHEXIA AND ITS ADVERSE EFFECTS ON PATIENTS SUFFERING FROM CHRONIC HEART DISEASES

4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / Telephone No.:
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5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Title of the Invention
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6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:

International Application Number	International Filing Date as Allotted by the Receiving Office
PCT//	

7. PARTICULARS FOR FILING DIVISIONAL APPLICATION

Original (first) Application Number	Date of Filing of Original (first) Application
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8. PARTICULARS FOR FILING PATENT OF ADDITION:

Main Application / Patent Number:	Date of Filing of Main Application
-----------------------------------	------------------------------------

9. DECLARATIONS:

(i) Declaration by the inventor(s)

I/We ,Dr. RAJENDRA PRASAD SHÂRMÂ,PRAJVAL V,SHYAMALI DAS,Dr. P. SENTHIL KUMARI,Dr RAJKUMAR G NADAKINAMANI,Dr. U.P. LANDE,Dr. S. V. GAWANDE,Dr.THOMAS LEONID T,Dr.V. BALAJI,Dr. D. VEERA NAGENDRA KUMAR,VENKATESH,MADAN MOHAN M, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) of the inventor(s):

(c) Name(s): Dr. RAJENDRA PRASAD SHÂRMÂ,PRAJVAL V,SHYAMALI DAS,Dr. P. SENTHIL KUMARI,Dr RAJKUMAR G NADAKINAMANI,Dr. U.P. LANDE,Dr. S. V. GAWANDE,Dr.THOMAS LEONID T,Dr.V. BALAJI,Dr. D. VEERA NAGENDRA KUMAR,VENKATESH,MADAN MOHAN M

(ii) Declaration by the applicant(s) in the convention country

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) :

(c) Name(s) of the singnatory: Dr. RAJENDRA PRASAD SHÂRMÂ,PRAJVAL V,SHYAMALI DAS,Dr. P. SENTHIL KUMARI,Dr RAJKUMAR G NADAKINAMANI,Dr. U.P. LANDE,Dr. S. V. GAWANDE,Dr.THOMAS LEONID T,Dr.V. BALAJI,Dr. D. VEERA NAGENDRA KUMAR,VENKATESH,MADAN MOHAN M

(iii) Declaration by the applicant(s)

- **The Complete specification relating to the invention is filed with this application.**
- **I am/We are, in the possession of the above mentioned invention.**
- **There is no lawful ground of objection to the grant of the Patent to me/us.**

10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

Sr.	Document Description	FileName
-----	----------------------	----------

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hering are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this(Final Payment Date): -----

Signature:

Name: Gowthami S

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शासकीय जर्नल

**OFFICIAL JOURNAL
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THE PATENT OFFICE**

निर्गमन सं. 49/2022
ISSUE NO. 49/2022

शुक्रवार
FRIDAY

दिनांक: 09/12/2022
DATE: 09/12/2022

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/11/2022

(21) Application No. 202211067244 A

(43) Publication Date : 09/12/2022

(54) Title of the invention : A METHODOLOGY TO PREDICT THE IMPACT OF CACHEXIA AND ITS ADVERSE EFFECTS ON PATIENTS SUFFERING FROM CHRONIC HEART DISEASES

(51) International classification :A61P0035000000, A61P0009000000, G06N0020000000, A61P0009100000, A61P0043000000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)Dr. P. SENTHIL KUMARI
5)Dr RAJKUMAR G NADAKINAMANI
6)Dr. U.P. LANDE
7)Dr. S. V. GAWANDE
8)Dr.THOMAS LEONID T
9)Dr.V. BALAJI
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11)VENKATESH
12)MADAN MOHAN M

Name of Applicant : NA
Address of Applicant : NA

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Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641105. COIMBATORE -----

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(57) Abstract :

A methodology to Predict the Impact of Cachexia and Its Adverse Effects on Patients Suffering from Chronic Heart Diseases is the proposed invention. The invention focuses on predicting the impact of cachexia and its adverse effects on heart patients. A framework of machine learning is designed to understand the issues associated with chronic heart diseases.

No. of Pages : 13 No. of Claims : 6



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

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Application Details

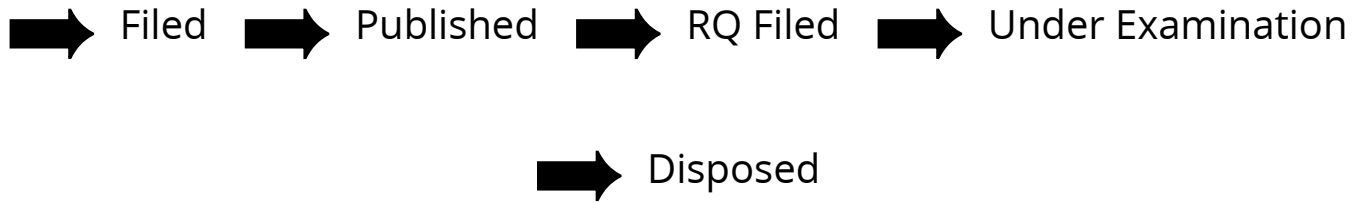
APPLICATION NUMBER	202211071426
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/12/2022
APPLICANT NAME	1 . JAGDISH PRASAD SHARMA 2 . KESHAV KUMAR K. 3 . DR. JAIDEV KUMAR 4 . MANSI VERMA 5 . AJIT KUMAR VARMA 6 . DR AMIT CHOUKSEY 7 . ANIL VISHWAMBHAR SHINDE 8 . MOHD ASIF SHAH 9 . DR.BHARTI SHASHANK ANERAO 10 . MADHUSUDANA T. 11 . DR. P. VAMSI KRISHNA 12 . GOPAL VIJAYKUMAR LOHIYA
TITLE OF INVENTION	IMPLEMENTATION OF CLASSIFICATION MODELS AND THEIR IMPACT ON TREATING CANCEROUS NODES THROUGH NANOPARTICLES
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	sgowthami12@gmail.com
ADDITIONAL-EMAIL (As Per Record)	sgowthami12@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	06/01/2023

Application Status

APPLICATION STATUS

Awaiting Request for Examination

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FORM 1
THE PATENTS ACT, 1970
(39 of 1970)
&
THE PATENTS RULES, 2003
APPLICATION FOR GRANT OF PATENT
[See sections 7,54 & 135 and rule 20(1)]

(FOR OFFICE USE ONLY)

Application No.:

Filing Date:

Amount of Fee Paid:

CBR No.:

Signature:

1. APPLICANT(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
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2. INVENTOR(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
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2	KESHAV KUMAR K.	India	ASSISTANT PROFESSOR OF MATHEMATICS, DEPARTMENT OF HUMANITIES AND MATHEMATICS, G.NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE (FOR WOMEN), HYDERABAD, 500 104	India	Telangana	Hyderabad	HYDERABAD
3	DR. JAIDEV KUMAR	India	ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, HARIOM SARASWATI P. G. COLLEGE DHANAURI, ROORKEE, UTTARAKHAND, PIN- 247667	India	Uttarakhand	Haridwar	ROORKEE
4	MANSI VERMA	India	HR INSTITUTE OF PHARMACY, MEERUT ROAD MORTA, GHAZIABAD, UTTAR PRADESH, INDIA-201003.	India	Uttar Pradesh	Ghaziabad	GREATER NOIDA
5	AJIT KUMAR VARMA	India	ASST.PROFESSOR, FACULTY OF PHARMACEUTICAL SCIENCES, RAMA UNIVERSITY,	India	Uttar Pradesh	Kanpur Nagar	KANPUR NAGAR

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9	DR.BHARTI SHASHANK ANERAO	India	ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS,DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA, NAGPUR-440017.	India	Maharashtra	Nagpur	NAGPUR
10	MADHUSUDANA T.	India	PH.D. RESEARCH SCHOLAR / DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, KUVEMPU UNIVERSITY, P.G. CENTRE, KADUR-577548, KARNATAKA, INDIA	India	Karnataka	Chikkamagaluru	KADUR
11	DR. P. VAMSI KRISHNA	India	ASSISTANT PROFESSOR, SCHOOL OF MANAGEMENT, MALLA REDDY UNIVERSITY, HYDERABAD	India	Telangana	Hyderabad	HYDERABAD
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3. TITLE OF THE INVENTION: IMPLEMENTATION OF CLASSIFICATION MODELS AND THEIR IMPACT ON TREATING CANCEROUS NODES THROUGH NANOPARTICLES

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5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Titile of the Invention
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6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:

International Application Number	International Filing Date as Allotted by the Receiving Office
PCT//	

7. PARTICULARS FOR FILING DIVISIONAL APPLICATION

Original (first) Application Number	Date of Filing of Original (first) Application

8. PARTICULARS FOR FILING PATENT OF ADDITION:

Main Application / Patent Number:	Date of Filing of Main Application

9. DECLARATIONS:**(i) Declaration by the inventor(s)**

I/We ,JAGDISH PRASAD SHARMA,KESHAV KUMAR K.,DR. JAIDEV KUMAR,MANSI VERMA,AJIT KUMAR VARMA,DR AMIT CHOUKSEY,ANIL VISHWAMBHAR SHINDE,MOHD ASIF SHAH,DR.BHARTI SHASHANK ANERAO,MADHUSUDANA T.,DR. P. VAMSI KRISHNA,GOPAL VIJAYKUMAR LOHIYA, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) of the inventor(s):

(c) Name(s): JAGDISH PRASAD SHARMA,KESHAV KUMAR K.,DR. JAIDEV KUMAR,MANSI VERMA,AJIT KUMAR VARMA,DR AMIT CHOUKSEY,ANIL VISHWAMBHAR SHINDE,MOHD ASIF SHAH,DR.BHARTI SHASHANK ANERAO,MADHUSUDANA T.,DR. P. VAMSI KRISHNA,GOPAL VIJAYKUMAR LOHIYA

(ii) Declaration by the applicant(s) in the convention country

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) :

(c) Name(s) of the singnatory: JAGDISH PRASAD SHARMA,KESHAV KUMAR K.,DR. JAIDEV KUMAR,MANSI VERMA,AJIT KUMAR VARMA,DR AMIT CHOUKSEY,ANIL VISHWAMBHAR SHINDE,MOHD ASIF SHAH,DR.BHARTI SHASHANK ANERAO,MADHUSUDANA T.,DR. P. VAMSI KRISHNA,GOPAL VIJAYKUMAR LOHIYA

(iii) Declaration by the applicant(s)

- The Complete specification relationg to the invention is filed with this application.
- I am/We are, in the possession of the above mentioned invention.
- There is no lawful ground of objection to the grant of the Patent to me/us.

10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

Sr.	Document Description	FileName

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hering are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this(Final Payment Date): -----

Signature:

To The Controller of Patents

The Patent office at NEW DELHI

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Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

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Application Details

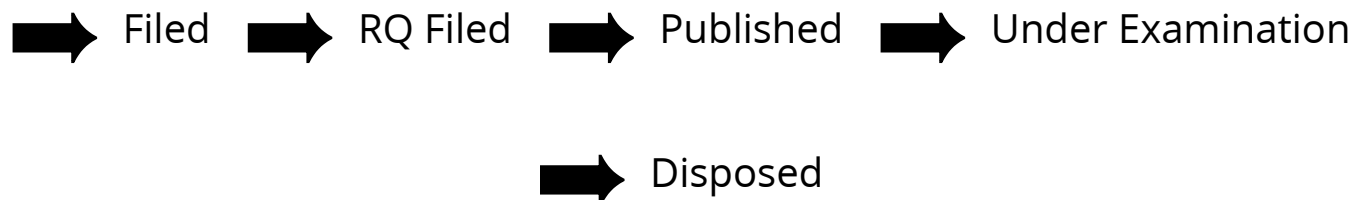
APPLICATION NUMBER	202341008371
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/02/2023
APPLICANT NAME	1 . DR. NEHA KOHLI 2 . DR. SHIVAYOGI M. HUGAR 3 . DR. KRISHNA KADAM 4 . DR. BHASKAR KURANGI 5 . DR. VIDYAVATHI H. PATIL 6 . DR. SHWETA HUGAR 7 . DR. SANJANA SONETA 8 . DR. NIVEDITA SAXENA 9 . DR. CHAITANYA UPPIN
TITLE OF INVENTION	HERBAL DENTAL GEL FORMULATION OF ZINGIBER OFFICINALE, SALVADORA PERSICA AND CINNAMOMUM ZEYLANICUM
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	09/02/2023
PUBLICATION DATE (U/S 11A)	17/02/2023

Application Status

APPLICATION STATUS

Application Awaiting Examination

[View Documents](#)



In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202341008371 A

(19) INDIA

(22) Date of filing of Application :09/02/2023

(43) Publication Date : 17/02/2023

(54) Title of the invention : HERBAL DENTAL GEL FORMULATION OF ZINGIBER OFFICINALE, SALVADORA PERSICA AND CINNAMOMUM ZEYLANICUM

(51) International classification :A61K0036540000, A61K0036906800, A61Q0011000000, A61K0009000000, A61K0036185000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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2)DR. SHIVAYOGI M. HUGAR

3)DR. KRISHNA KADAM

4)DR. BHASKAR KURANGI

5)DR. VIDYAVATHI H. PATIL

6)DR. SHWETA HUGAR

7)DR. SANJANA SONETA

8)DR. NIVEDITA SAXENA

9)DR. CHAITANYA UPPIN

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

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(57) Abstract :

Abstract: The present invention relates to the development of Herbal Dental gel formulation with ethanolic extracts of Zingiber Officinale, Salvador a Persica and Cinnamomum Zeylanicum for dental applications. It specifically relates to the development of Herbal Dental gel formulation with ethanolic extracts of Zingiber Officinale, Salvadora Persica and Cinnamomum Zeylanicum against Streptococcus mutans and Lactobacillus acidophilus. The invention also pertains to the development of process for preparation of Herbal Dental gel formulation with remineralization potential. Herbal Dental gel formulation of Zingiber Officinale, Salvadora Persica and Cinnamomum Zeylanicum for dental applications comprising the effective concentration of ethanolic extract of Zingiber Officinale, Salvadora Persica and Cinnamomum Zeylanicum as 2% w/w complexed with other excipients.

No. of Pages : 30 No. of Claims : 10



ORIGINAL

मूल/No : 121981



भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 371046-001
तारीख / Date : 19/09/2022
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **IMPRESSION MAKING DEVICE FOR AURICULAR PROSTHESIS** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में Dr. Pragati Kaurani के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

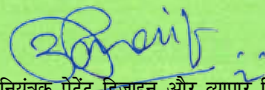
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to **IMPRESSION MAKING DEVICE FOR AURICULAR PROSTHESIS** in the name of Dr. Pragati Kaurani.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यक्षीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

निर्गमन की तारीख/Date of Issue : 26/12/2022


महानियंत्रक पेटेंट डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्त्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

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Department of Industrial Policy & Promotion,
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Government of India

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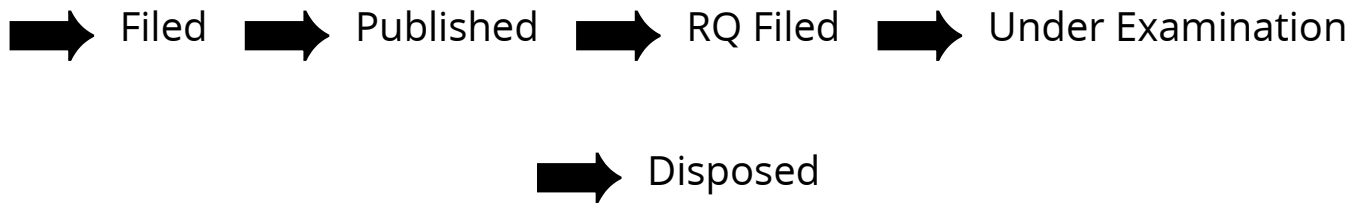
Application Details

APPLICATION NUMBER	202211042750
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/07/2022
APPLICANT NAME	1 . Dr. Shipra Jain 2 . Dr. Priyanka Rathi 3 . Dr. Swati Garg
TITLE OF INVENTION	AN APPLICATION BASED MEDICAL STUDENT'S FEEDBACK SYSTEM
FIELD OF INVENTION	COMPUTER SCIENCE
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ADDITIONAL-EMAIL (As Per Record)	soni.mukesh15@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	05/08/2022

Application Status

APPLICATION STATUS	Awaiting Request for Examination
--------------------	---

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FORM 1
THE PATENTS ACT, 1970
(39 of 1970)
&
THE PATENTS RULES, 2003
APPLICATION FOR GRANT OF PATENT
[See sections 7,54 & 135 and rule 20(1)]

Application
No.:
Filing Date:
Amount of Fee
Paid:
CBR No.:
Signature:

1. APPLICANT(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	Dr. Shipra Jain	India	Professor, Department of Pharmacology, Mahatma Gandhi Medical College & Hospital, Mahatma Gandhi University of Medical Sciences and Technology, Jaipur	India	Rajasthan	Jaipur	
2	Dr. Priyanka Rathi	India	Professor, Department of Pharmacology, Mahatma Gandhi Medical College & Hospital, Mahatma Gandhi University of Medical Sciences and Technology, Jaipur	India	Rajasthan	Jaipur	
3	Dr. Swati Garg	India	Principal & Controller, Mahatma Gandhi Medical College &	India	Rajasthan	Jaipur	

		Hospital, MGUMST, Jaipur				
--	--	--------------------------------	--	--	--	--

2. INVENTOR(S):

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1	Dr. Shipra Jain	India	Professor, Department of Pharmacology, Mahatma Gandhi Medical College & Hospital, Mahatma Gandhi University of Medical Sciences and Technology, Jaipur	India	Rajasthan	Jaipur	
2	Dr. Priyanka Rathi	India	Professor, Department of Pharmacology, Mahatma Gandhi Medical College & Hospital, Mahatma Gandhi University of Medical Sciences and Technology, Jaipur	India	Rajasthan	Jaipur	
3	Dr. Swati Garg	India	Principal & Controller, Mahatma Gandhi Medical College & Hospital, MGUMST, Jaipur	India	Rajasthan	Jaipur	

3. TITLE OF THE INVENTION: An application based medical student's feedback system

4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / Telephone No.:**AUTHORISED PATENT AGENT IN INDIA:**

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5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Title of the Invention
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6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:

International Application Number	International Filing Date as Allotted by the Receiving Office
PCT//	

7. PARTICULARS FOR FILING DIVISIONAL APPLICATION

Original (first) Application Number	Date of Filing of Original (first) Application
-------------------------------------	--

8. PARTICULARS FOR FILING PATENT OF ADDITION:

Main Application / Patent Number:	Date of Filing of Main Application
-----------------------------------	------------------------------------

9. DECLARATIONS:**(i) Declaration by the inventor(s)**

I/We ,Dr. Shipra Jain,Dr. Priyanka Rathi,Dr. Swati Garg, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) of the inventor(s):

(c) Name(s): Dr. Shipra Jain,Dr. Priyanka Rathi,Dr. Swati Garg

(ii) Declaration by the applicant(s) in the convention country

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) :

(c) Name(s) of the singnatory: Dr. Shipra Jain,Dr. Priyanka Rathi,Dr. Swati Garg

(iii) Declaration by the applicant(s)

- **The Complete specification relationg to the invention is filed with this application.**
- **I am/We are, in the possession of the above mentioned invention.**
- **There is no lawful ground of objection to the grant of the Patent to me/us.**

10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

Sr.	Document Description	FileName
-----	----------------------	----------

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hering are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this(Final Payment Date): -----

Signature:

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/07/2022

(21) Application No. 202211042750 A

(43) Publication Date : 05/08/2022

(54) Title of the invention : AN APPLICATION BASED MEDICAL STUDENT'S FEEDBACK SYSTEM

(51) International classification :G06Q0050200000, G06F0021620000, G06F0017180000, H03H0011120000, G09B0005140000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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3)Dr. Swati Garg

Name of Applicant : NA

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2)Dr. Priyanka Rathi

Address of Applicant :Professor, Department of Pharmacology, Mahatma Gandhi Medical College & Hospital, Mahatma Gandhi University of Medical Sciences and Technology, Jaipur -----

3)Dr. Swati Garg

Address of Applicant :Principal & Controller, Mahatma Gandhi Medical College & Hospital, MGUMST, Jaipur -----

(57) Abstract :

However, it is observed that students either do not give feedback or provide incorrect feedback due to fear of the faculty members. Moreover, written feedback forms would lead to unnecessary wastage of paper and is against the environment. Online feedback through google forms is time consuming. In addition, there is always a time lag between the teaching session and taking feedback. Thus, there is a need to obtain immediate feedback in an anonymous manner so that actual views of the students can be collected. The present invention relates to an application based medical student's feedback system. It comprises of student ID (unique to that student) and a set of 6 pre-validated questions using a 5-point Likert scale (ranging from strongly agree, agree, can't say, disagree and strongly disagree).

No. of Pages : 5 No. of Claims : 1



ORIGINAL

मूल/No : 138058



भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 381572-001
तारीख / Date : 15/03/2023
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **BRAIN RELAXING THERAPY DEVICE** से संबंधित है, का पंजीकरण, श्रेणी **24-02** में 1.Dr. Manoj Kumar Sharma 2. Dr. Brijesh Kumar Sharma 3.Dr. Saurabh Jagtap 4.Dipanshu Sharma 5.Neelam Sharma 6.Hemdutt Jangir 7.Mahatma Gandhi University Of Medical Sciences (Mgumst) के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

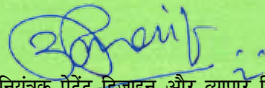
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **24-02** in respect of the application of such design to **BRAIN RELAXING THERAPY DEVICE** in the name of 1.Dr. Manoj Kumar Sharma 2. Dr. Brijesh Kumar Sharma 3.Dr. Saurabh Jagtap 4.Dipanshu Sharma 5.Neelam Sharma 6.Hemdutt Jangir 7.Mahatma Gandhi University Of Medical Sciences (Mgumst).

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

निर्गमन की तारीख/Date of Issue : 25/05/2023


महानियंत्रक पेटेंट डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्त्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202311036813
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	28/05/2023
APPLICANT NAME	MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES & TECHNOLOGY
TITLE OF INVENTION	A NOVEL ANTIBACTERIAL AND ITS SYNTHESIS THEREOF
FIELD OF INVENTION	BIO-CHEMISTRY
E-MAIL (As Per Record)	patentminder@gmail.com
ADDITIONAL-EMAIL (As Per Record)	patentminder@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/06/2023

Application Status

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202311036704 A

(19) INDIA

(22) Date of filing of Application :26/05/2023

(43) Publication Date : 30/06/2023

(54) Title of the invention : A NOVEL ANTI FUNGAL AGENT AND ITS PROCESSING THEREOF

(51) International classification :G06F 213200, G06Q 203800, G06Q 204000, H04L 457400, H04M 035100

(86) International Application No :NA

Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Richa Sharma

Address of Applicant :Associate Professor (Microbiology), Mahatma Gandhi University of Medical Sciences & Technology, Jaipur, Rajasthan (India)–302022 Jaipur -----

(57) Abstract :

The present invention discloses a novel antifungal agent and its method of synthesis. The agent comprises a synthesized compound derived from the reaction of diphenylbismuth(III)chloride and 5-(4-chlorophenyl)-6-ethylpyrimidine-2,4-diamine in the presence of trimethylamine in toluene under an anhydrous oxygen-free nitrogen atmosphere. The antifungal agent demonstrates efficacy against various pathogenic strains of fungus. The agent can be used for treating fungal infections in humans, animals, or plants and can also be employed for preventing the growth of fungus in different environments. The method of synthesis is efficient and yields a product effective in broad-spectrum antifungal applications.

No. of Pages : 12 No. of Claims : 10



Application Details

APPLICATION NUMBER	202311036704
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/05/2023
APPLICANT NAME	MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES & TECHNOLOGY
TITLE OF INVENTION	A NOVEL ANTI FUNGAL AGENT AND ITS PROCESSING THEREOF
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	patentminder@gmail.com
ADDITIONAL-EMAIL (As Per Record)	balram.bme@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/06/2023

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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[View Documents](#)

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202311036813 A

(19) INDIA

(22) Date of filing of Application :28/05/2023

(43) Publication Date : 30/06/2023

(54) Title of the invention : A NOVEL ANTIBACTERIAL AND ITS SYNTHESIS THEREOF

(51) International classification :A61K 310500, A61K 380700, A61P 310400, C07D 910400, C09D 051400
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :
1)Dr. Ashima Singla
Address of Applicant :Professor (Microbiology), Mahatma Gandhi University of Medical Sciences & Technology, Jaipur, Rajasthan (India)-302022 Jaipur -----

(57) Abstract :

The present invention discloses a novel antibacterial compound and an efficient method for its synthesis. The method involves providing a stirring solution of phenylbismuth(III)dichloride, adding 5-(4-chlorophenyl)-6-ethylpyrimidine-2,4-diamine to the solution in the presence of trimethylamine in toluene, and stirring the mixture under anhydrous, oxygen-free nitrogen conditions. The reaction is then completed by refluxing the solution, filtering off the resultant Et₃N.HCl white precipitate, and concentrating the filtrate under vacuum to yield a light off-white solid. The resultant solid is then recrystallized using petroleum ether. The synthesized compound demonstrates effectiveness against pathogenic bacterial strains, thus providing a promising solution for combatting bacterial infections

No. of Pages : 14 No. of Claims : 10



सत्यमेव जयते

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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202311036820
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	28/05/2023
APPLICANT NAME	MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES & TECHNOLOGY
TITLE OF INVENTION	A NOVEL ARSENICAL AS FUNGICIDES AND ITS SYNTHESIS THEREOF
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	patentminder@gmail.com
ADDITIONAL-EMAIL (As Per Record)	patentminder@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
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(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202311036820 A

(19) INDIA

(22) Date of filing of Application :28/05/2023

(43) Publication Date : 30/06/2023

(54) Title of the invention : A NOVEL ARSENICAL AS FUNGICIDES AND ITS SYNTHESIS THEREOF

(51) International classification :A61K 312850, A61P 011600, A61P 011800, A61P 130800, A61P 350000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Name of Applicant : NA

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(72)Name of Inventor :

1)Dr. Manju Raghav

Address of Applicant :Professor (Pathology), Mahatma Gandhi University of Medical Sciences & Technology, Jaipur, Rajasthan (India)-302022 Jaipur -----

(57) Abstract :

The present invention describes the fungicidal efficacy of a novel arsenical synthesized through modified method, against pathogenic strains of fungus. The synthesis involves stirring a solution of diphenylarsenic(III)chloride and 5-(4-chlorophenyl)-6-ethylpyrimidine-2,4-diamine in the presence of trimethylamine in toluene under an anhydrous oxygen-free nitrogen atmosphere, followed by a refluxing step. A flocculent white precipitate of Et₃N.HCl forms, which is then filtered off. The filtrate is concentrated under vacuum conditions, yielding a light off-white solid. This solid is further recrystallized using petroleum ether, resulting in the novel arsenical compound. The compound has shown fungicidal efficacy against pathogenic strains of fungus, making it useful for the treatment or prevention of fungal diseases in plants. This invention represents a significant advancement in the field of fungicides and agricultural chemistry

No. of Pages : 13 No. of Claims : 5



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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202311036819
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	28/05/2023
APPLICANT NAME	MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES & TECHNOLOGY
TITLE OF INVENTION	A NOVEL ANTITUMOR AND ITS SYNTHESIS THEREOF
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	patentminder@gmail.com
ADDITIONAL-EMAIL (As Per Record)	patentminder@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
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PUBLICATION DATE (U/S 11A)	30/06/2023

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202311036819 A

(19) INDIA

(22) Date of filing of Application :28/05/2023

(43) Publication Date : 30/06/2023

(54) Title of the invention : A NOVEL ANTITUMOR AND ITS SYNTHESIS THEREOF

(51) International classification :A61K 314700, A61P 011800, A61P 350000, C07D 871400, C12N 012000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)Dr. Bushra Fiza

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(57) Abstract :

The present invention describes the antitumor/anti cell proliferation efficacy of a novel bismuth based compound against human breast cancer (MCF-7) and mammary cancer (EVSA-7) cell lines. The present invention pertains to a novel method for the synthesis of an antitumor compound. The process involves a series of steps including stirring a solution of bis(4-fluorophenyl)bismuth(III)chloride in toluene, adding 5-(4-chlorophenyl)-6-ethylpyrimidine-2,4-diamine, maintaining the stirring under an anhydrous oxygen-free nitrogen atmosphere, and subjecting the solution to reflux. This is followed by filtration, vacuum concentration, and recrystallization procedures. The inventive process results in the production of a distinctive compound, characterized by a melting point of 240 degrees Celsius when it is Et3N.HCl, thus adding a valuable agent to the arsenal of antitumor pharmaceuticals.

No. of Pages : 13 No. of Claims : 8



Application Details

APPLICATION NUMBER	202311036814
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	28/05/2023
APPLICANT NAME	MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES & TECHNOLOGY
TITLE OF INVENTION	A NOVEL BISMUTHINO SALT AS GASTROPROTECTIVE AGENT AND ITS SYNTHESIS THEREOF
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	patentminder@gmail.com
ADDITIONAL-EMAIL (As Per Record)	patentminder@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/06/2023

Application Status

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202311036814 A

(19) INDIA

(22) Date of filing of Application :28/05/2023

(43) Publication Date : 30/06/2023

(54) Title of the invention : A NOVEL BISMUTHINO SALT AS GASTROPROTECTIVE AGENT AND ITS SYNTHESIS THEREOF

(51) International classification :A61K 475500, A61P 350000, C07C 573000, H01M 045870, H01M 100540

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Rajat Bhargava

Address of Applicant :Associate Professor (Gastroenterology), Mahatma Gandhi University of Medical Sciences & Technology, Jaipur, Rajasthan (India)–302022 Jaipur -----

(57) Abstract :

The present invention describes the gastroprotective efficacy of a novel bismuth salt against aspirin and alcoholic gastric ulcer performed. The current invention pertains to a uniquely synthesized bismuthino salt exhibiting gastroprotective properties, particularly against aspirin and alcohol-induced gastric ulcers. The compound is synthesized through a reaction involving pentafluorophenylbismuth(III)chloride and 5-(4-chlorophenyl)-6-ethylpyrimidine-2,4-diamine in a toluene solvent, under an anhydrous and oxygen-free nitrogen atmosphere. The reaction is stirred for 7-8 hours and then refluxed for 3 additional hours. The subsequent formation of a flocculent white precipitate of Et3N.HCl is filtered off, and the filtrate is concentrated under vacuum to yield a light off-white solid. This solid is further purified through recrystallization with petroleum ether. This novel bismuthino salt and its synthesis method provide a promising avenue for effective treatment of gastric ulcers..

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2023

(21) Application No. 202311036821 A

(43) Publication Date : 30/06/2023

(54) Title of the invention : A NOVEL ANTIBACTERIAL FOR DERMAL CARE AND ITS PROCESSING THEREOF

(51) International classification :A61P 310400, C08L 230600, G06F 213200, G06Q 203800, G06Q 204000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Manish Rijwani

Address of Applicant :Associate Professor (Dermatology), Mahatma Gandhi University of Medical Sciences & Technology, Jaipur, Rajasthan (India)-302022 Jaipur -----

(57) Abstract :

The present invention describes the bactericidal efficacy/properties of a novel arsenical against pathogenic bacterial strains along with its processing. The disclosed antibacterial compound and the method of its preparation have several advantages. The compound demonstrates effective bactericidal activity against pathogenic bacterial strains. It provides a new approach to treating bacterial infections of the skin, contributing to improved dermal care.

No. of Pages : 13 No. of Claims : 8



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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202311036821
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	28/05/2023
APPLICANT NAME	MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES & TECHNOLOGY
TITLE OF INVENTION	A NOVEL ANTIBACTERIAL FOR DERMAL CARE AND ITS PROCESSING THEREOF
FIELD OF INVENTION	BIO-CHEMISTRY
E-MAIL (As Per Record)	patentminder@gmail.com
ADDITIONAL-EMAIL (As Per Record)	patentminder@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
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Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202311036822
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	28/05/2023
APPLICANT NAME	MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES & TECHNOLOGY
TITLE OF INVENTION	A NOVEL TUMOR SUPPRESSING AGENT AND ITS PROCESSING THEREOF
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	patentminder@gmail.com
ADDITIONAL-EMAIL (As Per Record)	patentminder@gmail.com
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(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202311036822 A

(19) INDIA

(22) Date of filing of Application :28/05/2023

(43) Publication Date : 30/06/2023

(54) Title of the invention : **A NOVEL TUMOR SUPPRESSING AGENT AND ITS PROCESSING THEREOF**

(51) International classification :A61K 380000, C07K 144700, G06F 213200, G06Q 204000, H04M 035100

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Hemant Malhotra

Address of Applicant :Professor (Medical Oncology), Mahatma Gandhi University of Medical Sciences & Technology, Jaipur, Rajasthan (India)–302022 Jaipur -----

(57) Abstract :

The present invention describes the tumor cell suppression/ anti cell proliferation efficacy of novel organic derivatives of antimony along with its processing through modified method. The present invention a novel tumor suppressing agent derived from an organic derivative of antimony, specifically, bis(4-fluorophenyl)antimony(III)chloride. This agent showcases substantial efficacy in inhibiting tumor cell growth or proliferation, offering potential therapeutic applications in cancer treatment. Additionally, the invention provides a meticulous method for synthesizing this tumor suppressing agent, involving a unique sequence of steps including the use of an anhydrous oxygen-free nitrogen atmosphere during the reaction process. Furthermore, the invention discloses a pharmaceutical composition consisting of the tumor suppressing agent and a pharmaceutically acceptable carrier, aimed at potentially effective cancer therapy. The formulation offers significant potential for enhancing current oncology treatment strategies.

No. of Pages : 14 No. of Claims : 6



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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202311036823
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	28/05/2023
APPLICANT NAME	MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES & TECHNOLOGY
TITLE OF INVENTION	A NOVEL METAL BASED TUMOR CELL PROLIFERATION SUPPRESSION AGENT AND ITS PROCESSING THEREOF
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	patentminder@gmail.com
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
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PUBLICATION DATE (U/S 11A)	30/06/2023

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/05/2023

(21) Application No. 202311036823 A

(43) Publication Date : 30/06/2023

(54) Title of the invention : A NOVEL METAL BASED TUMOR CELL PROLIFERATION SUPPRESSION AGENT AND ITS PROCESSING THEREOF

(51) International classification :A61L 021800, A61P 350000, G06F 213200, G06Q 204000, H01M 043800

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(57) Abstract :

The present invention describes the processing of a novel metal based tumor cell suppression agent and its cell proliferation efficacy on human breast adenoma carcinoma cell lines. The agent is synthesized by reacting bis(pentafluorophenyl)antimony(III)chloride, 5-(4-chlorophenyl)-6-ethylpyrimidine-2,4-diamine, and trimethyl amine in toluene under an anhydrous, oxygen-free nitrogen atmosphere. The agent can be formulated into pharmaceutical compositions for treating proliferative disorders.

No. of Pages : 13 No. of Claims : 7



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(57) Abstract :

The present invention describes the antifungal efficacy of a novel compound synthesized through modified method, against human pathogenic fungal strains of Aspergillus. The agent is synthesized by reacting pentafluorophenylbismuth(III)dichloride and 5-(4-chlorophenyl)-6-ethylpyrimidine-2,4-diamine in the presence of trimethylamine in toluene under anhydrous, oxygen-free nitrogen atmosphere. The reaction is stirred for approximately 5 hours and then refluxed for an additional 2 hours. A white precipitate of Et₃N.HCl forms as a byproduct, which is filtered off, yielding an off-white solid upon vacuum concentration. This solid is further purified by recrystallization with petroleum ether. The synthesized agent has shown significant efficacy against human pathogenic strains of Aspergillus, presenting a promising treatment option for Aspergillosis..

No. of Pages : 13 No. of Claims : 10



Application Details

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TITLE OF INVENTION	A NOVEL ANTITUMOR AGENT AND ITS PROCESSING
FIELD OF INVENTION	CHEMICAL
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(57) Abstract :

The present invention describes the antitumor/cell proliferation efficacy of novel organic derivatives of arsenic along with its processing through novel method. The present invention provides a novel method for the synthesis of organic derivatives of arsenic with substantial antitumor and cell proliferation efficacy. The synthesis process involves stirring bis(pentafluorophenyl)arsenic(III)chloride, adding 5-(4-chlorophenyl)-6-ethylpyrimidine-2,4-diamine, maintaining an anhydrous oxygen-free nitrogen atmosphere, refluxing, filtering, concentrating under vacuum conditions, and recrystallizing the resultant solid using petroleum ether. The produced antitumor agent demonstrates significant efficacy against various types of tumors. Additionally, a pharmaceutical composition comprising the novel antitumor agent and methods for its use in treating or preventing tumors in subjects are disclosed.

No. of Pages : 13 No. of Claims : 10

Minor oral surgical procedures include procedures that are done under local anaesthesia. These procedures when needs to be performed in pediatric patients, requires greater skill and patience. Surgery performed on paediatric patients involves several special considerations unique to this population. This book explores and explains few of the most common minor oral surgical procedures that are routinely performed on pediatric patients in clinical practice.



Manojit Mahato
Anant Gopal Nigam
Nikhil Marwah



Manojit Mahato has completed his Bachelors in Dental Sciences (BDS) from Maratha Mandal's N G H Institute of Dental Sciences and Research Centre, Belgaum, Karnataka. He is currently pursuing his Masters in Dental Science (MDS) from Mahatma Gandhi Dental College and Hospital, Jaipur, Rajasthan.



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Flap harvesting and inseting in Maxillofacial surgery

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Class II malocclusion is one of most common anomalies found within the population. Among this correction of vertical growth pattern adds a challenge to it. There are different treatment modalities for the same i.e. non-surgical and surgical treatment. This book covers the non-surgical aspect for the treatment of vertical class II malocclusion. All the methods described are complimented with representative case reports.



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Ranal Maheshwari
Siddharth Mehta
Kamal Bajaj



Dr. Ranal Maheshwari is a postgraduate of Department of Orthodontics and Dentofacial Orthopedics, Mahatma Gandhi dental college and hospital, Jaipur, Rajasthan. She has completed her BDS from MCOOS, Manipal College of Dental Sciences, Mangalore, Karnataka.

NON-SURGICAL MANAGEMENT OF VERTICAL CLASS II MALOCCLUSION

Maheshwari, Mehta, Bajaj



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Oro-mucosal lesions are frequently encountered by practicing dentist. The diagnosis of these conditions is usually based on case specific historical findings, clinical appearance and the results of diagnostic procedures. Various treatment modalities has been used for oro-mucosal disorders. Topical as well as systemic form these included steroids, antibiotics, analgesics, immunosuppressive, immunomodulators and various herbs. This book offers drug regimens of oro-mucosal lesions along with emergency drugs and drugs to be used during pregnancy.



Dr. Amrita Aggarwal, MDS (Gold Medalist) in Oral Medicine and Radiology is now an assistant professor in Mahatma Gandhi Dental College and Hospital, Jaipur.

Dr. Anshuman Jamdade, Professor and Head of the Department, Department of Oral Medicine and Radiology, Mahatma Gandhi Dental College and Hospital.



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Anshuman Jamdade

Drug Regimens in Oral Medicine

a complete prescription to all oral diseases

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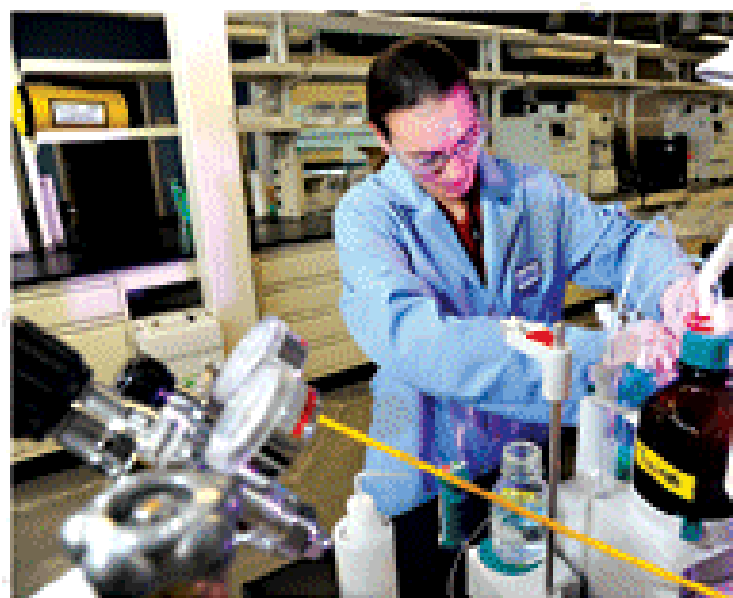
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ROLE OF MICROBES IN INDUSTRIAL PRODUCTS AND PROCESSES

Edited By

Sanjay Kumar
Narendra Kumar
Shahid-ul-Islam

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Dermatophytoses account for nearly a quarter of all fungal infections worldwide. These difficult to treat infections of the skin, hair, and nails, are growing more resistant to conventional antifungal treatments, and when treatable, often require prolonged therapeutic regimens. A new bioactive compounds isolated from plants that are essential oils have been used for the treatment of Dermatophytosis. This book contains information of essential oils derived from plants and used as an alternative topical therapy for dermatophytosis or commonly called as "Ringworm". This comprehensive research aimed at understanding the mechanism of action of essential oils and their components may provide the basis for a natural alternative to topical antifungal drugs.



Richa Sharma
Gajanand Sharma

Essential oils: An alternative Topical Therapy for Dermatophytosis

Dr. Richa Sharma is working as an Associate Professor, Dept of Microbiology, Mahatma Gandhi University of Medical Sciences & Technology, Jaipur. She has published more than 85 research papers in globally accepted databases and various chapters in book. Dr. Gajanand Sharma is working as an Head, Dept of Chemistry, MPS International, Jaipur.



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APPLIED BIOCHEMISTRY

For B.Sc. Nursing Students

II Semester



Foreword: Dr. SK. Vardey

DR. MAHEEP SINHA
DR. RUBAL SINGH - VIKAS SHARMA

APPLIED BIOCHEMISTRY

Salient Features:

- * Book is written as per the new revised INC syllabus for B.Sc. Nursing students.
- * All chapters are written in simple and lucid language and organized in logical order to facilitate easy comprehension.
- * For self evaluation each chapter comprises different types of questions.
- * All the contents of the book have been reviewed by eminent medical and nursing professionals.

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Dr. Maheep Sinha, M.B.B.S, MD (Biochemistry) is a former PHOD of Biochemistry department in MGMCH and SMS Hospital, Jaipur and currently he is an Emeritus Professor in Biochemistry department, MGMCH, Jaipur. He has done M.B.B.S and MD from S.M.S Medical College Jaipur. He has got the honour of Chikitsa Vibhushan by JMA & Medical Practitioner society Jaipur on 1st July, 2014. He got Life Time Achievement Award by Jaipur Medical Association on 1st July, 2022 on the occasion of Doctors Day. He had so many publications in National and International Journals. He was also appointed as Inspector by Medical Council of India (MCI), for Inspection of various medical colleges in 8 to 9 states (other than Rajasthan). He was Ex-President of Indian Medical Association, and Ex-Vice President of Jaipur Medical Association. He also contributed as a judge in an International Conference 2021. He contributed his whole life in betterment of his students.



Dr. Rubal Singh was awarded a Gold medal in M.Sc. Medical Biochemistry from Vice President of India Shree M. Venkaiah Naidu in 3rd Convocation organized by Mahatma Gandhi University of Medical Sciences & Technology at Jaipur in March 2019. She completed Bachelors in Biotechnology (Integrated) from Kanoria P.G. Mahila Mahavidyalaya, Masters and Ph.D in Biochemistry (Med.) from Mahatma Gandhi University of Medical Sciences & Technology, Sitapura, Jaipur under the guidance of Dr. Maheep Sinha. She has also done PG Diploma in Advanced Clinical Research and Pharmacovigilance from Institute of Clinical Research India (ICRI), Delhi at Narayana Multi-Speciality Hospital, Jaipur Campus.



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- * For self evaluation each chapter comprises different types of questions.
- * All the contents of the book have been reviewed by eminent medical and nursing professionals.

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Indirect Tooth-Colored Restorations

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Biofilm is a microbially derived community characterized by cells that are irreversibly attached to a substratum or interface or to each other, are embedded in a matrix of extracellular polysaccharides that they have produced and exhibit an altered phenotype with respect to growth rate and gene transcription. In 1890 Miller first observed microorganisms in association with pulp tissue and in 1987 first identification of biofilm structures in infected root canals was carried out by Nair. Since then it is explicit that bacteria are causative agent of endodontic infections. Bacteria can exert their pathogenicity via specific virulence factors such as exotoxins, Lipopolysaccharides, Lipoteichoic acid thereby causing either direct or indirect damage to host cells. Endodontic disease is essentially a biofilm-mediated infection with broader bacterial diversity than previously anticipated.



Ridhima Gupta
Ashwini B. Prasad
Deepak Raisingani

Biofilms in Endodontics

I am a PG third year resident pursuing my Masters in conservative and endodontics under guidance of Dr. Ashwini Prasad in Mahatma Gandhi Dental College. This book provides an overview of Biofilm associated with root canal, challenges we face while eliminating them and recent advancements focusing on complete eradication of biofilms from root canal.

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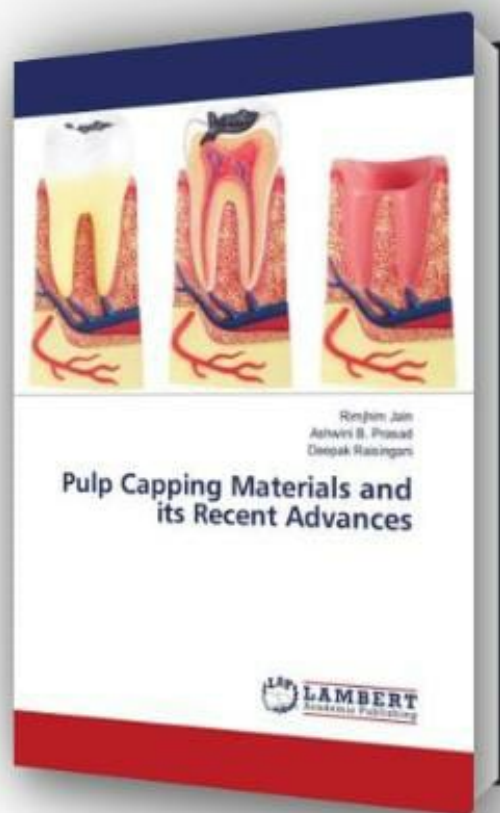
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Pulp Capping Materials and its Recent Advances

978-620-5-52554-8



Development of minimally invasive biologically based therapies aimed at preservation of the pulp vitality remains the key theme within contemporary clinical endodontics. Vital pulp therapy for cariously exposed permanent teeth remains one of the most controversial areas in dentistry. Because a vital, functioning pulp is capable of initiating several defence mechanisms to protect the body from bacterial invasion, it is beneficial to preserve the vitality and health of an exposed pulp rather than replace it with a root -filling material following pulp exposure. A variety of pulp dressing materials have been investigated and used over the past century to encourage bridge formation and pulp preservation. Different materials have been introduced in literature in order to seal and induce tertiary dentine regeneration. Newer introduced materials aim at sealing the exposure site while induce odontogenesis therefore increasing the vital pulp therapy success rates. Newer materials ranges from different synthetic materials such as bioceramics to the new biological proposed scaffolds.

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Open Lung or Keep Lung Closed: Which Strategy to Choose?

Sachin Gupta, Ravi Jain

■ INTRODUCTION

The ARDSNet trial¹ showed that the low tidal volume ventilatory strategy for acute respiratory distress syndrome (ARDS) had been shown to reduce the overall outcome, but there is still controversy regarding the level of positive end-expiratory pressure (PEEP) that should be applied while ventilating these patients. Similar confusion exists about the role of recruitment maneuver.

■ ACUTE RESPIRATORY DISTRESS SYNDROME—LUNG

In ARDS, there is a loss of aerated lung tissue, and it is more pronounced in the dependent areas. ARDS is a heterogeneous syndrome and divides the lungs into three compartments. The first compartment is the nondependent area which has a small number of alveoli that are aerated and form the functional residual capacity. They are referred to as “baby lungs.”² The second compartment is the most dependent part of the lung, filled with interstitial edema fluid, is noncontributory to aeration, and follows the “sponge” theory. The third compartment is the transition zone between the two above-mentioned compartments, and the alveoli here open and close with every breath. The total collapse of the alveoli leads to atelectasis, peripheral airway closure, and finally to increased ventilation-perfusion mismatch. The concept of opening up these collapsed alveoli is the entire principle behind lung recruitment strategies such as high PEEP or even prone positioning.

■ OPEN LUNG APPROACH

The open lung approach means keeping the lung alveoli open by applying recruitment maneuver followed by higher levels of PEEP along with controlled tidal volume to limit the total alveolar distending pressure (plateau pressure) below 30 cmH₂O.

The proposed beneficial effects of adopting an open lung approach are multifold:

- Opening up of collapsed alveoli

- Minimizing the ventilator-inflicted lung injury (VILI) by preventing the repeated opening and closing of the collapsed alveoli
- Improvement in ventilation-perfusion mismatch by reduction of the shunt.

■ Physiology

Alveolar recruitment recruits the collapsed alveoli leading to a reduction in the venous admixture and hence reducing the dead space. This causes a reduction in the shunt fraction reflected as an increase in partial pressure of oxygen in the arterial blood (PaO₂). As more and more atelectatic alveoli are opened up, the partial pressure of carbon dioxide in the arterial blood (PaCO₂) reduces, depicting the corresponding reduction in the dead space.³ Prone positioning is an excellent example of an open lung approach as it opens the dependent lung zones without increasing the distending pressure.

■ KEEPING THE LUNG CLOSED

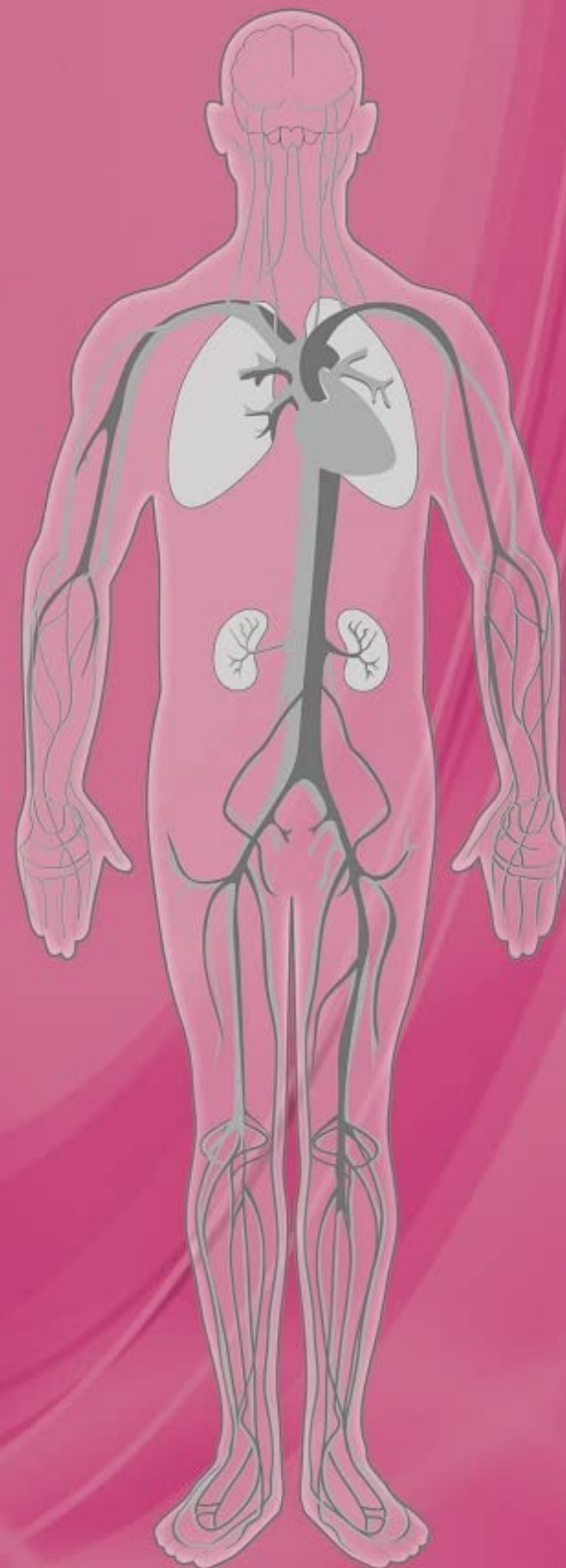
This has also been referred to as “permissive atelectasis” in experimental studies. This strategy includes the usage of minimal PEEP to allow adequate gas exchange and to administer adequate tidal volume to ventilate only the aerated alveoli and prevent any detrimental effects on the dependent collapsed alveoli. This leads to a permissive hypoxemia state with oxygen saturation targeting at around 88%. The respiratory rate is adjusted to keep the patient either normocapnic or a certain degree of permissive hypercapnic.

■ CONTROVERSY ABOUT OPEN LUNG APPROACH

The ARDSNet trial proposed setting PEEP as per fraction of inspired oxygen (FiO₂) and even setting higher PEEP to allow alveolar recruitment. But the existing evidence has failed to reflect any improvement in outcome.⁴ The ART trial⁵ concluded that patients who had recruitment



Critical Care Update 2023



Editors

Rajesh Chandra Mishra
Sheila Nainan Myatra
Deepak Govil
Subhash Todi

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Edition

Foreword
Mukul Misra



Life threatening emergencies can occur to anyone, anywhere and anytime for instance they can occur in dental practice to patient, doctor, members of the dental clinic staff or a person accompanying a patient. Although the occurrence of life threatening emergencies in dental offices is infrequent, certain factors can contribute to the likelihood of such incidents. These include

- The increasing number of older persons seeking dental care
- The increasing use of drugs in dentistry
- Medical conditions of the patient
- Special child

Although any medical emergency can develop in the dental office, some are seen more frequently than others. Many such situations are stress related or involves preexisting conditions that are exacerbated when patients are placed in stressful environments. Stress induced situations include vasodepressor syncope and hyperventilation, whereas preexisting medical conditions that can be exacerbated by stress include most acute cardiovascular emergencies, bronchospasm (asthma) and seizures. The effective management of pain and anxiety in the dental office is therefore essential in the prevention and minimization of potentially catastrophic situation.

Medical Emergencies in Dental Practice



Srishty Chalana
Shantanu Jain
Nikhil Marwah

Dr. Srishty Chalana pursued her B.D.S from Rajasthan Dental College and hospital, Jaipur and is currently pursuing M.D.S from Mahatama Gandhi Dental College and Hospital, MGUMST, Jaipur .

Medical Emergencies in Dental Practice

with pediatric consideration



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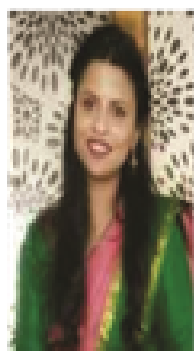
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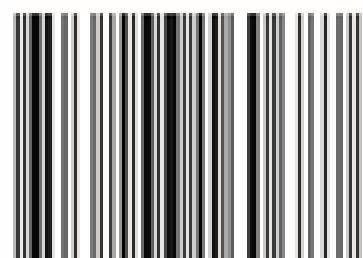
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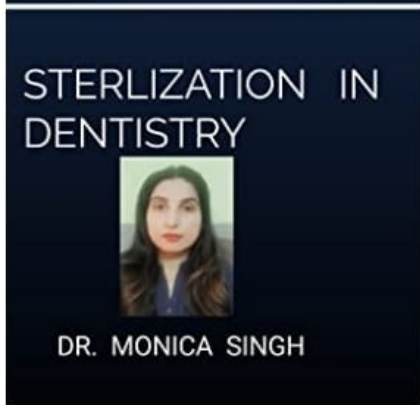
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Richa Sharma
Gajanand Sharma

Essential oils: An alternative Topical Therapy for Dermatophytosis

Dr. Richa Sharma is working as an Associate Professor, Dept of Microbiology, Mahatma Gandhi University of Medical Sciences & Technology, Jaipur. She has published more than 85 research papers in globally accepted databases and various chapters in book. Dr. Gajanand Sharma is working as an Head, Dept of Chemistry, MPS International, Jaipur.



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Pediatric Oral Pathology

Oral Soft Tissue Lesions

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Pediatric Oral Pathology is an art and science of dentistry that deals with the etiology, pathogenesis, management and prognosis of various diseases and developmental anomalies affecting oral and paraoral structures of infants, children through adolescence and encompass primary and comprehensive, preventive and therapeutic oral health care through variety of disciplines, techniques, procedures, and skills that are modified and adapted to the unique requirements of infants, children, adolescents, and those with special health care needs.

Soft tissue lesions of the oral cavity are common in children. When evaluating soft tissue lesions, it is important to distinguish between findings that are normal and those that are indicative of gingivitis, periodontal disease, local or systemic infection, and potentially life-threatening systemic conditions.

The presentation of pathology in children is often different from adult pathology and the subtleties of these differences are often important in diagnosis. In addition, many lesions change in form or extent with growth of the body.

Pediatric Oral Soft Tissue Lesions



Divya Gera
Anant Gopal Nigam
Nikhil Marwah



I, Dr Divya Gera, am an aspiring Pediatric Dentist. I love children & hence, have a special interest in treating their dental problems. I also have a keen interest in psychology, which makes me connect more with the kids. I maintain that oral pathology, though a difficult topic, is extremely important for learning and practicing dentistry.



Gera, Nigam, Marwah

Pediatric Oral Pathology

Oral Soft Tissue Lesions



Gestão Dentária de Crianças com Deficiência

As crianças são consideradas especiais se não puderem, dentro dos limites, brincar, aprender, trabalhar ou fazer outras coisas que não a sua idade possa fazer ou se forem impedidas de atingir todas as suas potencialidades físicas, mentais e sociais. Nos últimos anos, às profissões dentárias e médicas juntaram-se grupos de pais, associações comunitárias e nacionais de saúde", aumentando assim a preocupação com o problema da prestação de cuidados de saúde oral às crianças portadoras de deficiência mental ou física. Os pais estão a ser informados sobre os bons cuidados dentários reparadores e preventivos para as crianças. Esta preocupação crescente é o resultado da percepção de que os indivíduos com uma deficiência, seja ela de desenvolvimento ou adquirida, têm direito à oportunidade de obter a habilitação adequada, de lhes permitir realizar o seu nível máximo de funcionamento e de os ajudar a "normalizar" as suas vidas.

A Dra. Mitakshra Nirwan concluiu o seu MDS em Medicina Dentária Pediátrica e Preventiva em 2016 a partir de MGUMST, Jaipur. Ela pratica desde 6 anos no campo da Odontologia Pediátrica. Ela tem experiência na gestão de todas as necessidades dentárias de uma criança. O seu interesse em psicologia infantil ajuda a compreender melhor as necessidades emocionais das crianças.


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Especial Odontologia Infantil

**Mitakshra Nirwan
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General Anesthesia is a controlled state of unconsciousness in which protective reflexes are lost. It is nearly three decades that general and dental rehabilitation under GA has been offered to pediatric population. Treating an uncooperative child, due to age or systemic illness, who suffers from severe general or oral diseases, is a challenge for Pediatrician and pediatric dentists, especially when extensive and complex treatments are needed. Despite the behavioral techniques to increase compliance and pharmacological sedation techniques, there are cases in which General and dental rehabilitation under general anesthesia is the only therapeutic choice to provide a safe and effective treatment. This book covers every aspect of pediatric general anesthesia right from Anatomy, Growth and Development, Pharmacology, Preoperative Evaluation, Premedication, Induction, Maintenance, Emergence, Tracheal Intubation, Monitoring and Postoperative care for child.



Dr. Shradha Jain has completed her BDS in 2019 from MUHS under prestigious institute ACPM dental college, Dhule. Presently she is pursuing MDS in the branch of Pediatric and Preventive dentistry from MGUMST Jaipur. Her field of interest is in Preventive and special child dentistry.

Shradha Jain
Bharathi Padiyar
Nikhil Marwah

General Anesthesia for Children

A guide for Pediatrician and Pediatric dentist



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5th Edition



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Nikhil Marwah

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(<http://ipindia.nic.in/index.htm>)

Application Details

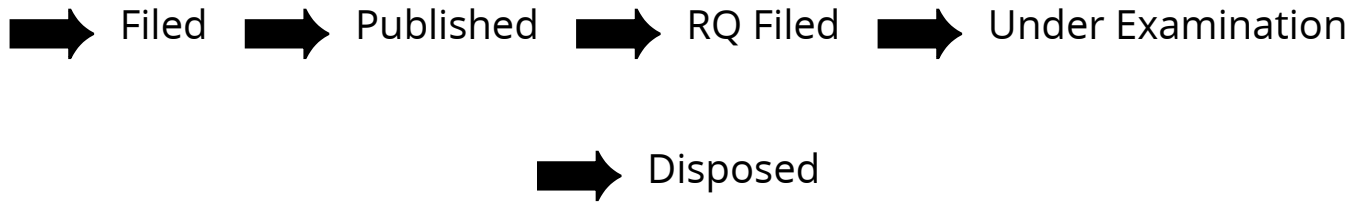
APPLICATION NUMBER	202211052848
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/09/2022
APPLICANT NAME	1 . ASHISH NAGILA 2 . Dr. SHEIKH JAVED AHMAD 3 . VIKAS SHARMA 4 . Y.D.STELLA 5 . Dr AKSHAY DHAMMASHOK MESHAM 6 . Dr.VIKRANT VERMA 7 . S KANNAN 8 . Dr.ABDUL HAFEEZ 9 . SAI KOTESWAR SARMA 10 . RAJ KUMAR JAIN 11 . Dr.A.SASI KUMAR 12 . Dr.PJOEL JOSEPHSON
TITLE OF INVENTION	CLASSIFICATION MODELS FOR EARLY DETECTION AND PREDICTION OF CANCER WITH IMPROVED EFFICIENCY
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	sgowthami12@gmail.com
ADDITIONAL-EMAIL (As Per Record)	sgowthami12@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	07/10/2022

Application Status

APPLICATION STATUS

Awaiting Request for Examination

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FORM 1
THE PATENTS ACT, 1970
(39 of 1970)
&
THE PATENTS RULES, 2003
APPLICATION FOR GRANT OF PATENT
[See sections 7,54 & 135 and rule 20(1)]

(FOR OFFICE USE ONLY)

Application No.:
 Filing Date:
 Amount of Fee Paid:
 CBR No.:
 Signature:

1. APPLICANT(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	ASHISH NAGILA	India	ASSISTANT PROFESSOR DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IFTM UNIVERSITY MORADABAD LODHIPUR RAJPUT DELHI MORADABAD PIN 244102	India	Uttar Pradesh	Moradabad	MORADABAD
2	Dr. SHEIKH JAVED AHMAD	India	PRINCIPAL, REGENCY COLLEGE OF NURSING, KANPUR, PIN- 208017	India	Uttar Pradesh	Kanpur Nagar	KANPUR
3	VIKAS SHARMA	India	PROFESSOR AT MAHATMA GANDHI NURSING COLLEGE, MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES AND TECHNOLOGY, SITAPURA JAIPUR. PIN -302022	India	Rajasthan	Jaipur	JAIPUR
4	Y.D.STELLA	India	PRINCIPAL,VIKASH NURSING COLLEGE,BARGARH,ODISHA,768028	India	Orissa	Bargarh	BARGARH.
5	Dr AKSHAY DHAMMASHOK MESHRAM	India	PHARMACOLOGY DEPARTMENT,ST WILFRED INSTITUTE OF PHARMACY PANVEL MUMBAI	India	Maharashtra	Raigad	PANVEL
6	Dr.VIKRANT VERMA	India	ASSOCIATE PROFESSOR KHARVEL SUBHARTI COLLEGE OF PHARMACY SWAMI VIVEKANAND SUBHARTI UNIVERSITY MEERUT	India	Uttar Pradesh	Meerut	MEERUT
7	S KANNAN	India	ASST.PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, MALLA REDDY COLLEGE OF ENGINEERING, HYDERABAD, 500100	India	Telangana	Hyderabad	HYDERABAD
8	Dr.ABDUL HAFEEZ	India	ASSOCIATE PROFESSOR, GLOCAL SCHOOL OF PHARMACY, GLOCAL UNIVERSITY MIRZAPUR POLE DISTRICT SAHARANPUR UTTAR PRADESH INDIA 247121	India	Uttar Pradesh	Saharanpur	SAHARANPUR
9	SAI KOTESWAR SARMA	India	ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACOGNOSY,SRI PADMAVATI SCHOOL OF PHARMACY, TIRUCHANOOR, TIRUPATI, 517503.	India	Andhra Pradesh	Chittoor	TIRUPATI
10	RAJ KUMAR JAIN	India	ASSISTANT PROFESSOR/ELECTRONICS AND COMMUNICATION DEPARTMENT/JAIPUR ENGINEERING COLLEGE & RESEARCH CENTRE JAIPUR/302022	India	Rajasthan	Jaipur	JAIPUR
11	Dr.A.SASI KUMAR	India	PROFESSOR (MENTOR-IT – INURTURE EDUCATION SOLUTIONS PVT LTD), DEPARTMENT OF CLOUD TECHNOLOGY & DATA SCIENCE, INSTITUTE OF ENGINEERING & TECHNOLOGY, SRINIVAS UNIVERSITY, SRINIVAS NAGAR, MUKKA, SURATHKAL, MANGALORE-574146, DAKSHINA KANNADA DISTRICT, KARNATAKA STATE, INDIA.	India	Karnataka	Dakshina Kannada	MANGALORE
12	Dr.P.JOEL	India	ASSOCIATE PROFESSOR/ECE, ST	India	Telangana	Medchal	SECUNDERABAD

JOSEPHSON	MARTIN'S ENGINEERING COLLEGE, SECUNDERABAD, 500100				
-----------	---	--	--	--	--

2. INVENTOR(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	ASHISH NAGILA	India	ASSISTANT PROFESSOR DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IFTM UNIVERSITY MORADABAD LODHIPUR RAJPUT DELHI MORADABAD PIN 244102	India	Uttar Pradesh	Moradabad	MORADABAD
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4	Y.D.STELLA	India	PRINCIPAL,VIKASH NURSING COLLEGE,BARGARH,ODISHA,768028	India	Orissa	Bargarh	BARGARH.
5	Dr AKSHAY DHAMMASHOK MESHRAM	India	PHARMACOLOGY DEPARTMENT,ST WILFRED INSTITUTE OF PHARMACY PANVEL MUMBAI	India	Maharashtra	Raigad	PANVEL
6	Dr.VIKRANT VERMA	India	ASSOCIATE PROFESSOR KHARVEL SUBHARTI COLLEGE OF PHARMACY SWAMI VIVEKANAND SUBHARTI UNIVERSITY MEERUT	India	Uttar Pradesh	Meerut	MEERUT
7	S KANNAN	India	ASST.PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, MALLA REDDY COLLEGE OF ENGINEERING, HYDERABAD, 500100	India	Telangana	Hyderabad	HYDERABAD
8	Dr.ABDUL HAFEEZ	India	ASSOCIATE PROFESSOR, GLOCAL SCHOOL OF PHARMACY, GLOCAL UNIVERSITY MIRZAPUR POLE DISTRICT SAHARANPUR UTTAR PRADESH INDIA 247121	India	Uttar Pradesh	Saharanpur	SAHARANPUR
9	SAI KOTESWAR SARMA	India	ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACOGNOSY,SRI PADMAVATI SCHOOL OF PHARMACY, TIRUCHANOOR, TIRUPATI, 517503.	India	Andhra Pradesh	Chittoor	TIRUPATI
10	RAJ KUMAR JAIN	India	ASSISTANT PROFESSOR/ELECTRONICS AND COMMUNICATION DEPARTMENT/JAIPUR ENGINEERING COLLEGE & RESEARCH CENTRE JAIPUR/302022	India	Rajasthan	Jaipur	JAIPUR
11	Dr.A.SASI KUMAR	India	PROFESSOR (MENTOR-IT – INURTURE EDUCATION SOLUTIONS PVT LTD), DEPARTMENT OF CLOUD TECHNOLOGY & DATA SCIENCE, INSTITUTE OF ENGINEERING & TECHNOLOGY, SRINIVAS UNIVERSITY, SRINIVAS NAGAR, MUKKA, SURATHKAL, MANGALORE-574146, DAKSHINA KANNADA DISTRICT, KARNATAKA STATE, INDIA.	India	Karnataka	Dakshina Kannada	MANGALORE
12	Dr.P.JOEL JOSEPHSON	India	ASSOCIATE PROFESSOR/ECE, ST MARTIN'S ENGINEERING COLLEGE, SECUNDERABAD, 500100	India	Telangana	Medchal	SECUNDERABAD

3. TITLE OF THE INVENTION: CLASSIFICATION MODELS FOR EARLY DETECTION AND PREDICTION OF CANCER WITH IMPROVED EFFICIENCY

4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / Telephone No.:
AUTHORISED PATENT AGENT IN INDIA: Fax No.:
 No 325 17th Main B Block 3rd Stage Vijayanagar Mysuru Mobile No: 9538377433
 570030 E-mail: sgowthami12@gmail.com

5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Title of the Invention
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6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:

International Application Number	International Filing Date as Allotted by the Receiving Office
PCT//	

7. PARTICULARS FOR FILING DIVISIONAL APPLICATION

Original (first) Application Number	Date of Filing of Original (first) Application
-------------------------------------	--

8. PARTICULARS FOR FILING PATENT OF ADDITION:

Main Application / Patent Number:	Date of Filing of Main Application
-----------------------------------	------------------------------------

9. DECLARATIONS:

(i) Declaration by the inventor(s)

I/We ,ASHISH NAGILA,Dr. SHEIKH JAVED AHMAD,VIKAS SHARMA,Y.D.STELLA,Dr AKSHAY DHAMMASHOK MESHARAM,Dr.VIKRANT VERMA,S KANNAN,Dr.ABDUL HAFEEZ,SAI KOTESWAR SARMA,RAJ KUMAR JAIN,Dr.A.SASI KUMAR,Dr.P.JOEL JOSEPHSON, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) of the inventor(s):

(c) Name(s): ASHISH NAGILA,Dr. SHEIKH JAVED AHMAD,VIKAS SHARMA,Y.D.STELLA,Dr AKSHAY DHAMMASHOK MESHARAM,Dr.VIKRANT VERMA,S KANNAN,Dr.ABDUL HAFEEZ,SAI KOTESWAR SARMA,RAJ KUMAR JAIN,Dr.A.SASI KUMAR,Dr.P.JOEL JOSEPHSON

(ii) Declaration by the applicant(s) in the convention country

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) :

(c) Name(s) of the singnatory: ASHISH NAGILA,Dr. SHEIKH JAVED AHMAD,VIKAS SHARMA,Y.D.STELLA,Dr AKSHAY DHAMMASHOK MESHARAM,Dr.VIKRANT VERMA,S KANNAN,Dr.ABDUL HAFEEZ,SAI KOTESWAR SARMA,RAJ KUMAR JAIN,Dr.A.SASI KUMAR,Dr.P.JOEL JOSEPHSON

(iii) Declaration by the applicant(s)

- The Complete specification relating to the invention is filed with this application.
- I am/We are, in the possession of the above mentioned invention.
- There is no lawful ground of objection to the grant of the Patent to me/us.

10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

Sr.	Document Description	FileName
	<p>I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hereing are correct and I/We request that a patent may be granted to me/us for the said invention.</p>	
	<p>Dated this(Final Payment Date): -----</p>	<p>Signature:</p>
		<p>Name: Gowthami S</p>
	<p>To The Controller of Patents The Patent office at NEW DELHI</p>	

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Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

Application Details

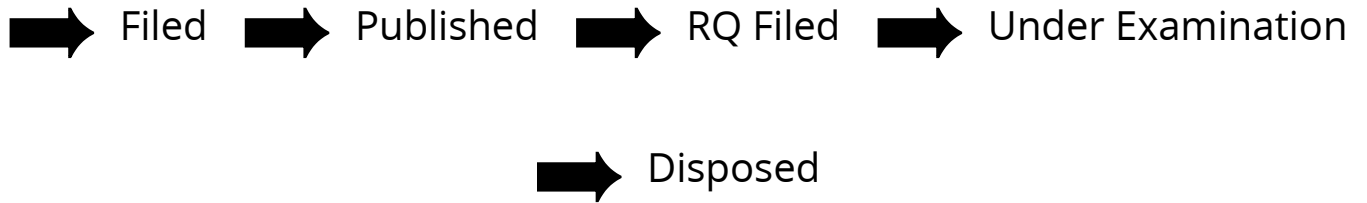
APPLICATION NUMBER	202211056590
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	02/10/2022
APPLICANT NAME	1 . Dr. BHARTENDRA SHARMA 2 . DEBAJANI NAYAK 3 . Dr S.SUBHA 4 . MRS.SHRUTI PAUL 5 . Dr. PRASHANT TIWARI 6 . SHIVANI THAKUR 7 . MOH AIJAZ 8 . A ABDUL HAYUM 9 . Dr.SULTANA RAZIA 10 . Dr. AR MAHESH 11 . Dr. MOHD ABDUL HAMEED 12 . SAI KRISHNA KODALI
TITLE OF INVENTION	ARTIFICIAL INTELLIGENCE BASED APPROACH TO STUDY THE ANTICANCER EFFECTS OF THYMOQUINONE ON BREAST CANCER CELLS THROUGH NATURAL KILLER CELL ACTIVITY
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	sgowthami12@gmail.com
ADDITIONAL-EMAIL (As Per Record)	sgowthami12@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	14/10/2022

Application Status

APPLICATION STATUS

Awaiting Request for Examination

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FORM 1
THE PATENTS ACT, 1970
(39 of 1970)
&
THE PATENTS RULES, 2003
APPLICATION FOR GRANT OF PATENT
[See sections 7,54 & 135 and rule 20(1)]

(FOR OFFICE USE ONLY)

Application No.:
Filing Date:
Amount of Fee Paid:
CBR No.:
Signature:

1. APPLICANT(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	Dr. BHARTENDRA SHARMA	India	PROFESSOR MAHATMA GANDHI NURSING COLLEGE MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES AND TECHNOLOGY JAIPUR RAJASTHAN INDIA PIN CODE 302022	India	Rajasthan	Jaipur	JAIPUR
2	DEBAJANI NAYAK	India	ASSOCIATE PROFESSOR, DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY, SUM NURSING COLLEGE, SIKSHA 'O' ANUSANDHAN DEEMED TO BE UNIVERSITY, BHUBANESWAR- 751003, ODISHA, INDIA	India	Orissa	Khordha	BHUBANESWAR
3	Dr S.SUBHA	India	ASSISTANT PROFESSOR, DEPARTMENT OF MICROBIOLOGY DR LANKAPALLI BULLAYYA COLLEGE, VISAKHAPATNAM.	India	Andhra Pradesh	Visakhapatnam	VISAKHAPATNAM
4	MRS.SHRUTI PAUL	India	ASSISTANT PROFESSOR, BHARTI VISHWAVIDYALAYA, SCHOOL OF PHARMACY, CHANDKHURI, DURG - 491001, CHHATTISGARH, INDIA.	India	Chattisgarh	Durg	DURG
5	Dr. PRASHANT TIWARI	India	ASSOCIATE PROFESSOR,	India	Karnataka	Bangalore Urban	BENGALURU

			DEPARTMENT OF PHARMACOLOGY AND TOXICOLOGY, COLLEGE OF PHARMACEUTICAL SCIENCES DAYANANDA SAGAR UNIVERSITY BENGALURU.				
6	SHIVANI THAKUR	India	ASSISTANT PROFESSOR SCHOOL OF PHARMACY, MAHARAJA AGRASEN UNIVERSITY BADDI, DISTT SOLAN-HP.	India	Himachal Pradesh	Solan	BADDI
7	MOH AIJAZ	India	RESEARCH SCHOLAR, SCHOOL OF PHARMACY, GRAPHIC ERA HILL UNIVERSITY, DEHRADUN PIN 248002.	India	Uttarakhand	Dehradun	DEHRADUN
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9	Dr.SULTANA RAZIA	India	ASST. PROF./DEPT OF BIOTECHNOLOGY, ISR, IPS ACADEMY, INDORE, 452018	India	Madhya Pradesh	Indore	INDORE
10	Dr. AR MAHESH	India	ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, FACULTY OF PHARMACY,MS RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU.	India	Karnataka	Bangalore Urban	BENGALURU
11	Dr. MOHD ABDUL HAMEED	India	ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, UNIVERSITY COLLEGE OF ENGINEERING, OSMANIA	India	Telangana	Ranga Reddy	HYDERABAD

			UNIVERSITY, HYDERABAD.				
12	SAI KRISHNA KODALI	India	ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, ANURAG UNIVERSITY, HYDERABAD-500088	India	Telangana	Medchal	HYDERABAD

2. INVENTOR(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
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2	DEBAJANI NAYAK	India	ASSOCIATE PROFESSOR, DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY, SUM NURSING COLLEGE, SIKSHA 'O' ANUSANDHAN DEEMED TO BE UNIVERSITY, BHUBANESWAR- 751003, ODISHA, INDIA	India	Orissa	Khordha	BHUBANESWAR
3	Dr S.SUBHA	India	ASSISTANT PROFESSOR, DEPARTMENT OF MICROBIOLOGY DR LANKAPALLI BULLAYYA COLLEGE, VISAKHAPATNAM.	India	Andhra Pradesh	Visakhapatnam	VISAKHAPATNAM
4	MRS.SHRUTI PAUL	India	ASSISTANT PROFESSOR, BHARTI VISHWAVIDYALAYA, SCHOOL OF PHARMACY, CHANDKHURI, DURG - 491001, CHHATTISGARH, INDIA.	India	Chattisgarh	Durg	DURG

5	Dr. PRASHANT TIWARI	India	ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACOLOGY AND TOXICOLOGY, COLLEGE OF PHARMACEUTICAL SCIENCES DAYANANDA SAGAR UNIVERSITY BENGALURU.	India	Karnataka	Bangalore Urban	BENGALURU
6	SHIVANI THAKUR	India	ASSISTANT PROFESSOR SCHOOL OF PHARMACY, MAHARAJA AGRASEN UNIVERSITY BADDI, DISTT SOLAN-HP.	India	Himachal Pradesh	Solan	BADDI
7	MOH AIJAZ	India	RESEARCH SCHOLAR, SCHOOL OF PHARMACY, GRAPHIC ERA HILL UNIVERSITY, DEHRADUN PIN 248002.	India	Uttarakhand	Dehradun	DEHRADUN
8	A ABDUL HAYUM	India	ASSISTANT PROFESSOR, DEPARTMENT OF ECE, HINDUSTHAN INSTITUTE OF TECHNOLOGY, COIMBATORE-641032.	India	Tamil Nadu	Coimbatore	COIMBATORE
9	Dr.SULTANA RAZIA	India	ASST. PROF./DEPT OF BIOTECHNOLOGY, ISR, IPS ACADEMY, INDORE, 452018	India	Madhya Pradesh	Indore	INDORE
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			OSMANIA UNIVERSITY, HYDERABAD.				
12	SAI KRISHNA KODALI	India	ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, ANURAG UNIVERSITY, HYDERABAD-500088	India	Telangana	Medchal	HYDERABAD

3. TITLE OF THE INVENTION: ARTIFICIAL INTELLIGENCE BASED APPROACH TO STUDY THE ANTI-CANCER EFFECTS OF THYMOQUINONE ON BREAST CANCER CELLS THROUGH NATURAL KILLER CELL ACTIVITY

4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / Telephone No.: 08212500422
AUTHORISED PATENT AGENT IN INDIA: Fax No.:
#325, 17th Main, B Block, Vijayanagar, 3rd Stage, Mysore - 570030. Mobile No: 9538377433
E-mail: sgowthami12@gmail.com

5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Title of the Invention
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6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:

International Application Number	International Filing Date as Allotted by the Receiving Office
PCT//	

7. PARTICULARS FOR FILING DIVISIONAL APPLICATION

Original (first) Application Number	Date of Filing of Original (first) Application
-------------------------------------	--

8. PARTICULARS FOR FILING PATENT OF ADDITION:

Main Application / Patent Number:	Date of Filing of Main Application
-----------------------------------	------------------------------------

9. DECLARATIONS:

(i) Declaration by the inventor(s)

I/We ,Dr. BHARTENDRA SHARMA,DEBAJANI NAYAK,Dr S.SUBHA,MRS.SHRUTI PAUL,Dr. PRASHANT TIWARI,SHIVANI THAKUR,MOH AIJAZ,A ABDUL HAYUM,Dr.SULTANA RAZIA,Dr. AR MAHESH,Dr. MOHD

ABDUL HAMEED,SAI KRISHNA KODALI, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) of the inventor(s):

(c) Name(s): Dr. BHARTENDRA SHARMA,DEBAJANI NAYAK,Dr S.SUBHA,MRS.SHRUTI PAUL,Dr. PRASHANT TIWARI,SHIVANI THAKUR,MOH AIJAZ,A ABDUL HAYUM,Dr.SULTANA RAZIA,Dr. AR MAHESH,Dr. MOHD ABDUL HAMEED,SAI KRISHNA KODALI

(ii) Declaration by the applicant(s) in the convention country

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) :

(c) Name(s) of the singnatory: Dr. BHARTENDRA SHARMA,DEBAJANI NAYAK,Dr S.SUBHA,MRS.SHRUTI PAUL,Dr. PRASHANT TIWARI,SHIVANI THAKUR,MOH AIJAZ,A ABDUL HAYUM,Dr.SULTANA RAZIA,Dr. AR MAHESH,Dr. MOHD ABDUL HAMEED,SAI KRISHNA KODALI

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10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

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I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hering are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this(Final Payment Date): -----

Signature:

Name: Gowthami S

To The Controller of Patents

The Patent office at NEW DELHI



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

(<http://ipindia.nic.in/index.htm>)



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Application Details

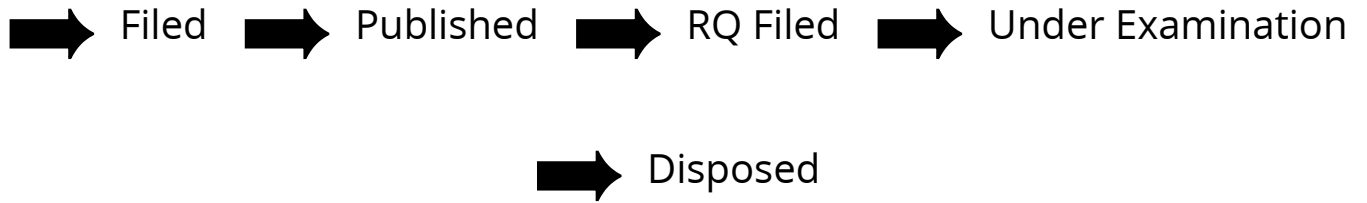
APPLICATION NUMBER	202241057763
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/10/2022
APPLICANT NAME	1 . Dr. G Saravana Kumar 2 . Mrs. K T Thilagham 3 . Dr. Charulata Madhav Kulkarni 4 . Dr. Priyanka Sharma 5 . Dr. Ajay k Srivastava 6 . Dr. M.Vetrivel 7 . Dr. Bhartendra Sharma 8 . Dr. Ram Kumar Garg
TITLE OF INVENTION	IMPACT OF REWARDS IN EMPLOYEE MOTIVATION
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	k.saravana@jainuniversity.ac.in
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	14/10/2022

Application Status

APPLICATION STATUS

Awaiting Request for Examination

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FORM 1
THE PATENTS ACT, 1970
(39 of 1970)
&
THE PATENTS RULES, 2003
APPLICATION FOR GRANT OF PATENT
[See sections 7,54 & 135 and rule 20(1)]

(FOR OFFICE USE ONLY)

Application No.:
Filing Date:
Amount of Fee Paid:
CBR No.:
Signature:

1. APPLICANT(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	Dr. G Saravana Kumar	India	Associate Professor, School of Commerce, Jain University, 9th block, Jayanagar, Bengaluru 560041, Karnataka, India.	India	Karnataka	Bangalore Rural	Jayanagar
2	Mrs. K T Thilagham	India	Assistant Professor , Department of Metallurgical Engineering , Government College of Engineering, Salem-636011, Tamilnadu , India.	India	Tamil Nadu	Salem	Salem
3	Dr. Charulata Madhav Kulkarni	India	Assistant Professor, RMD Sinhgad Mgt. School, Kondhapuri, Tal. Shirur, Dist. Pune, Maharashtra-412209, India.	India	Maharashtra	Pune	Shirur
4	Dr. Priyanka Sharma	India	Associate Professor , Prin. L. N. Welingkar Institute of Management Development & Research,Lakhamsi Napoo Road, Near Matunga Central Rly. Station, Matunga Mumbai, Maharashtra -400019, India.	India	Maharashtra	Mumbai City	Matunga
5	Dr. Ajay k Srivastava	India	Assistant Professor, SCMS ,Jain university, 9th block, Jayanagar, Bengaluru-560069, Karnataka, India.	India	Karnataka	Bangalore Rural	Jayanagar

Signature Not Verified

Digitally Signed.
Name: Menugopal Chandika
Date: 10-Oct-2022 14:32:29
Reason: Patent Filing
Location: DELHI

6	Dr. M.Vetrivel	India	Associate Professor, Commerce, VELS University VISTAS, Chennai, Tamilnadu-600117, India.	India	Tamil Nadu	Chennai	Chennai
7	Dr. Bhartendra Sharma	India	Professor, Mahatma Gandhi nursing college, jaipur, rajasthan-302022, India.	India	Rajasthan	Jaipur	jaipur
8	Dr. Ram Kumar Garg	India	Principal , Guru Dronacharya College of Nursing Yol Dharamshala , Himachal Pradesh -176052, India.	India	Himachal Pradesh	Kangra	Kangra

2. INVENTOR(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	Dr. G Saravana Kumar	India	Associate Professor, School of Commerce, Jain University, 9th block, Jayanagar, Bengaluru 560041, Karnataka, India.	India	Karnataka	Bangalore Rural	Jayanagar
2	Mrs. K T Thilagham	India	Assistant Professor , Department of Metallurgical Engineering , Government College of Engineering, Salem-636011, Tamilnadu , India.	India	Tamil Nadu	Salem	Salem
3	Dr. Charulata Madhav Kulkarni	India	Assistant Professor, RMD Sinhgad Mgt. School, Kondhapuri, Tal. Shirur, Dist. Pune, Maharashtra-412209, India.	India	Maharashtra	Pune	Shirur
4	Dr. Priyanka Sharma	India	Associate Professor , Prin. L. N. Welingkar Institute of Management Development & Research, Lakhamsi Napoo Road, Near Matunga Central Rly. Station,	India	Maharashtra	Mumbai City	Matunga

			Matunga Mumbai, Maharashtra -400019, India.				
5	Dr. Ajay k Srivastava	India	Assistant Professor, SCMS ,Jain university, 9th block, Jayanagar, Bengaluru-560069, Karnataka, India.	India	Karnataka	Bangalore Rural	Jayanagar
6	Dr. M.Vetrivel	India	Associate Professor, Commerce, VELS University VISTAS, Chennai, Tamilnadu-600117, India.	India	Tamil Nadu	Chennai	Chennai
7	Dr. Bhartendra Sharma	India	Professor, Mahatma Gandhi nursing college, jaipur, rajasthan-302022, India.	India	Rajasthan	Jaipur	jaipur
8	Dr. Ram Kumar Garg	India	Principal , Guru Dronacharya College of Nursing Yol Dharamshala , Himachal Pradesh -176052, India.	India	Himachal Pradesh	Kangra	Kangra

3. TITLE OF THE INVENTION: IMPACT OF REWARDS IN EMPLOYEE MOTIVATION

4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / Telephone No.:

AUTHORISED PATENT AGENT IN INDIA:

Dr. G Saravana Kumar, Associate Professor, School of Commerce, Jain University, 9th block, Jayanagar, Bengaluru 560041, Karnataka, India.

Fax No.:

Mobile No: 8500580495

E-mail: k.saravana@jainuniversity.ac.in

5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Tilte of the Invention
--------	---------	--------------------	-------------	-----------------------	------------------------

6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:

International Application Number	International Filing Date as Allotted by the Receiving Office
PCT//	

7. PARTICULARS FOR FILING DIVISIONAL APPLICATION

Original (first) Application Number	Date of Filing of Original (first) Application
-------------------------------------	--

8. PARTICULARS FOR FILING PATENT OF ADDITION:

Main Application / Patent Number:	Date of Filing of Main Application
--	---

9. DECLARATIONS:

(i) Declaration by the inventor(s)

I/We ,Dr. G Saravana Kumar,Mrs. K T Thilagham,Dr. Charulata Madhav Kulkarni,Dr. Priyanka Sharma,Dr. Ajay k Srivastava,Dr. M.Vetrivel,Dr. Bhartendra Sharma,Dr. Ram Kumar Garg, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) of the inventor(s):

(c) Name(s): Dr. G Saravana Kumar,Mrs. K T Thilagham,Dr. Charulata Madhav Kulkarni,Dr. Priyanka Sharma,Dr. Ajay k Srivastava,Dr. M.Vetrivel,Dr. Bhartendra Sharma,Dr. Ram Kumar Garg

(ii) Declaration by the applicant(s) in the convention country

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) :

(c) Name(s) of the singnatory: Dr. G Saravana Kumar,Mrs. K T Thilagham,Dr. Charulata Madhav Kulkarni,Dr. Priyanka Sharma,Dr. Ajay k Srivastava,Dr. M.Vetrivel,Dr. Bhartendra Sharma,Dr. Ram Kumar Garg

(iii) Declaration by the applicant(s)

- **The Complete specification relating to the invention is filed with this application.**
- **I am/We are, in the possession of the above mentioned invention.**
- **There is no lawful ground of objection to the grant of the Patent to me/us.**
- **I am/We are, the assignee or legal representative to true first inventors.**

10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

Sr.	Document Description	FileName
-----	----------------------	----------

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hering are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this(Final Payment Date): -----

Signature:

Name: Venugopal Chandika

To The Controller of Patents

The Patent office at CHENNAI

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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

Application Details

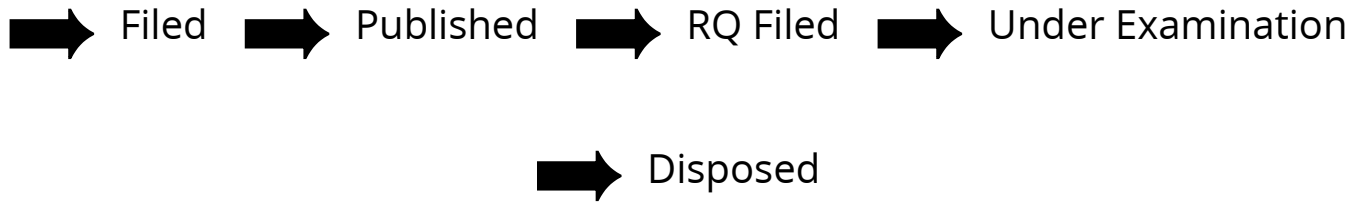
APPLICATION NUMBER	202241049037
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	27/08/2022
APPLICANT NAME	1 . SANTHOSH S 2 . Sudesh Rao 3 . Krishnaraj Rao N S 4 . Dr. Rajkamal Sharma 5 . Rajendra Prasad Sharma 6 . Jagdish Prasad Sharma 7 . Girisha s 8 . Chidananda T 9 . Ms. Preethi Salian K 10 . Disha D N
TITLE OF INVENTION	Artificial Intelligent based Prediction and Prevention of Different Eye Diseases Based on Fundus Photography Using Deep Learning Algorithms
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	senanipindia@gmail.com
ADDITIONAL-EMAIL (As Per Record)	admin@senanip.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	16/09/2022

Application Status

APPLICATION STATUS

Awaiting Request for Examination

[View Documents](#)



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<p>FORM 1</p> <p>THE PATENTS ACT 1970</p> <p>(39 of 1970)</p> <p>&</p> <p>The Patents rules, 2003</p> <p>APPLICATION FOR GRANT OF PATENT</p> <p>[See section 7, 54 & 135 and rule 20 (1)]</p>	<p>(FOR OFFICE USE ONLY)</p> <p>Application No:</p> <p>Filing Date:</p> <p>Amount of Fee Paid:</p> <p>CBR No:</p> <p>Signature:</p>																				
<p>1. APPLICANT'S REFERENCE / IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)</p>																					
<p>2. TYPE OF APPLICATION [Please tick (✓) at the appropriate category]</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Ordinary (✓)</td> <td colspan="2">Convention ()</td> <td colspan="2">PCT-NP ()</td> </tr> <tr> <td>Divisional ()</td> <td>Patent of Addition ()</td> <td>Divisional ()</td> <td>Patent of Addition ()</td> <td>Divisional ()</td> <td>Patent of Addition ()</td> </tr> </table>		Ordinary (✓)		Convention ()		PCT-NP ()		Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()								
Ordinary (✓)		Convention ()		PCT-NP ()																	
Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()																
<p>3. (3A) APPLICANT</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Name</th> <th style="width: 15%;">Nationality</th> <th style="width: 15%;">Country of Residence</th> <th style="width: 40%;">Address</th> </tr> </thead> <tbody> <tr> <td>SANTHOSH S</td> <td>Indian</td> <td>India</td> <td>ASSISTANT PROFESSOR GD II DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING NITTE UNIVERSITY (Deemed to be University) NMAMIT</td> </tr> <tr> <td>Sudesh Rao</td> <td>Indian</td> <td>India</td> <td>ASSISTANT PROFESSOR GD II DEPARTMENT OF AIML NITTE UNIVERSITY (Deemed to be University) NMAMIT</td> </tr> <tr> <td>Krishnaraj Rao N S</td> <td>Indian</td> <td>India</td> <td>ASSISTANT PROFESSOR DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING NMAMIT INSTITUTE OF TECHNOLOGY NITTE KARKALA</td> </tr> <tr> <td>Dr. Rajkamal Sharma</td> <td>Indian</td> <td>India</td> <td>ASSOCIATE PROFESSOR DEPARTMENT OF COLLEGE OF NURSING Galgotias University Plot No. 2, Yamuna Expy, opposite Buddha International Circuit, Sector 17A, Greater Noida, Uttar Pradesh 203201</td> </tr> </tbody> </table>		Name	Nationality	Country of Residence	Address	SANTHOSH S	Indian	India	ASSISTANT PROFESSOR GD II DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING NITTE UNIVERSITY (Deemed to be University) NMAMIT	Sudesh Rao	Indian	India	ASSISTANT PROFESSOR GD II DEPARTMENT OF AIML NITTE UNIVERSITY (Deemed to be University) NMAMIT	Krishnaraj Rao N S	Indian	India	ASSISTANT PROFESSOR DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING NMAMIT INSTITUTE OF TECHNOLOGY NITTE KARKALA	Dr. Rajkamal Sharma	Indian	India	ASSOCIATE PROFESSOR DEPARTMENT OF COLLEGE OF NURSING Galgotias University Plot No. 2, Yamuna Expy, opposite Buddha International Circuit, Sector 17A, Greater Noida, Uttar Pradesh 203201
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Rajendra Prasad Sharma	Indian	India	ASSOCIATE PROFESSOR DEPARTMENT OF NURSING Mahatma Gandhi Nursing College (MGUMST), Sitapura-Jaipur
Jagdish Prasad Sharma	Indian	India	PROFESSOR DEPARTMENT OF NURSING Mahatma Gandhi Nursing College Jaipur Mahatma Gandhi University of Medical Science and Technolgy Riico industrial area, Sita pura Jaipur
Girisha s	Indian	India	Mr.Girisha Department of AI&ML NMAMIT, Nitte
Chidananda T	Indian	India	ASSISTANT PROFESSOR DEPARTMENT OF COMPUTER &COMMUNICATION ENGINEERING NMAMIT, Nitte University c/o Dept of CCE, NMAMIT, Nitte , Karkala, Udupi
Ms. Preethi Salian K	Indian	India	ASSISTANT PROFESSOR DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING NMAM Institute of Technology, Nitte
Disha D N	Indian	India	ASSISTANT PROFESSOR DEPARTMENT OF AI & ML NMAM Institute of Technology Nitte Karkala

3B. CATEGORY OF APPLICANT [Please tick (√) at the appropriate category]

Natural Person (√)	Other than Natural Person		
	Small Entity ()	Start up ()	Others ()

4. INVENTOR (S) [Please tick (√) at the appropriate category]

Are all the inventor(s) same as the applicant(s) named above?	Yes (√)	NO ()
If "No", furnish the details of the inventor(s)		

Name	Nationality	Country of Residence	Address

5. TITLE OF THE INVENTION

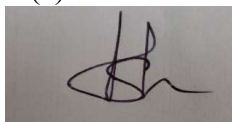
Artificial Intelligent based Prediction and Prevention of Different Eye Diseases Based on Fundus Photography Using Deep Learning Algorithms

6. AUTHORISED REGISTERED PATENT AGENT(S)				IN/PA No.	
				Name	
				Mobile No.	
7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA Scientific International Publishing House (SIPH), Mannargudi, Tamilnadu, India.				Telephone No. NA	
				Mobile No. +91- 7019991025	
				E-mail: editorsippublisher@gmail.com	
8. IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION					
Country	Application Number	Filing date	Name of the applicant	Title of the invention	IPC (as classified in the convention country)
-NA-	-NA-	-NA-	-NA-	-NA-	-NA-
9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT)					
International application number			International filing date		
-NA-			-NA-		
10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION					
Original (first) application No			Date of filing of original (first) application		
-NA-			-NA-		
11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN APPLICATION OR PATENT					
Main application/patent No.			Date of filing of main application		
-NA-			-NA-		
12. DECLARATIONS:					
(i) Declaration by inventor (s)					
(In case the applicant is an assignee: the inventor(s) may sign herein below or the applicant may upload the assignment or enclose the assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period).					
I/We, the above-named inventor(s) is/are the true & first inventor(s) for this Invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.					

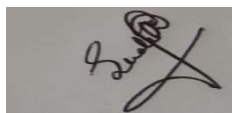
(a) Date: 27/08/2022

(b) Signature:

(c) Name:



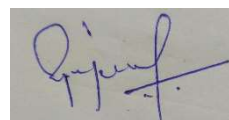
Santhosh S




Sudesh Rao



Krishnaraj Rao N S



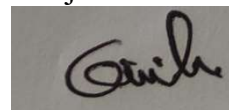
Dr. Rajkamal Sharma



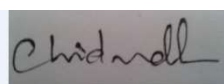
Rajendra Prasad Sharma



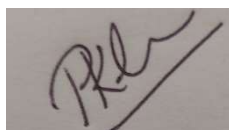
Jagdish Prasad Sharma



Girisha s



Chidananda T



Ms. Preethi Salian K



Disha D N

(ii) Declaration by the applicant(s) in the convention country

(In case the applicant in India is different than the applicant in the convention country: the applicant in the convention country may sign herein below or applicant in India may upload the assignment from the applicant in the convention country or enclose the said assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period)

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date

(b) Signature(s) -----NA-----

(c) Name(s) of the signatory

(ii) Declaration by the applicant:

I/We, the applicant hereby declares that:-

- I am /we are in possession of the above-mentioned invention
- The ~~provisional~~/complete specification relating to the invention is filed with this application.
- ~~The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by me/us before the grant of patent to me/us.~~
- There is no lawful ground of objection to the grant of the patent to me/us.
- I am/we are the true & first inventor(s).
- I am/we are the assignee or legal representative of true & first inventor(s).
- ~~The application or each of the applications, particulars of which are given in Paragraph 8, was the~~

~~first application in convention country/countries in respect of my/our invention(s).~~

- ~~I/We claim the priority from the above mentioned application(s) filed in convention country/countries and state that no application for protection in respect of the invention had been made in a convention country before that date by me/us or by any person from which I/We derive the title.~~
- ~~My/our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Paragraph 9.~~
- ~~The application is divided out of my /our application particulars of which is given in Paragraph 10 and pray that this application may be treated as deemed to have been filed on DD/MM/YYYY under section 16 of the Act.~~
- ~~The said invention is an improvement in or modification of the invention particulars of which are given in Paragraph 11.~~

(d) Following are the attachments with the application:

(a) Form 2

Item	Detail	Fee	Remark
Complete specification	No. of pages: 09	1, 600	
No. of Claim(s)	No. of claims: 08 No. of pages: 02		
Abstract	No. of pages: 01		
Drawings	No. of drawings: 0 No. of Pages: 0		
Priority	No. of Priorities:		

~~# In case of a complete specification, if the applicant desires to adopt the drawings filed with his provisional specification as the drawings or part of the drawings for the complete specification under rule 13(4), the number of such pages filed with the provisional specification are required to be mentioned here.~~

- ~~(a) Provisional specification (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).~~
- ~~(b) Sequence listing in electronic form~~
- ~~(c) Drawings (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).~~
- ~~(d) Priority document(s) or a request to retrieve the priority document(s) from DAS (Digital~~

Access Service) if the applicant had already requested the office of first filing to make the priority document(s) available to DAS.

- (e) ~~Translation of priority document/Specification/International Search Report/International Preliminary Report on Patentability.~~
- (f) Statement and Undertaking on Form 3
- (g) Declaration of Inventorship on Form 5

Total fee Rs. in Cash/ Banker's Cheque /Bank Draft bearing No.....
date.....on Bank

We hereby declare that to the best of my/our knowledge, information and belief the fact and matters slated herein are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this 27th day of August, 2022



Saurabh Kumar Jain
(IN/PA-3637)
Agent for Applicant

To,
The Controller of Patents
The Patent Office, At Delhi/Mumbai/Chennai/Kolkata, India.



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भारत सरकार
GOVERNMENT OF INDIA

पेटेंट कार्यालय
THE PATENT OFFICE

पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 of The Patents Rules)

क्रमांक : 044145199
SL No :



पेटेंट सं. / Patent No. : 408029
आवेदन सं. / Application No. : 202141010426
फाइल करने की तारीख / Date of Filing : 12/03/2021
पेटेंटी / Patentee : 1.DR. SHWETA KAJJARI 2.DR. SHIVAYOGI M. HUGAR
3.DR. VANISHREE B.K 4.DR. TRUPTI V. SADHUNAVAR
et al. et al. et al. et al.

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित FORMULATION OF MOUTHWASH WITH ETHANOLIC EXTRACT OF MENTHA ARVENSIS नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख मार्च 2021 के बारहवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled FORMULATION OF MOUTHWASH WITH ETHANOLIC EXTRACT OF MENTHA ARVENSIS as disclosed in the above mentioned application for the term of 20 years from the 12th day of March 2021 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 29/09/2022
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, मार्च 2023 के बारहवें दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 12th day of March 2023 and on the same day in every year thereafter.



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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	202141010426
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/03/2021
APPLICANT NAME	1 . DR. SHWETA KAJJARI 2 . DR. SHIVAYOGI M. HUGAR 3 . DR. VANISHREE B.K 4 . DR. TRUPTI V. SADHUNAVAR 5 . DR. CHANDRASHEKHAR BADA KAR 6 . DR. NIRAJ GOKHALE 7 . DR. NIVEDITA SAXENA 8 . DR. POOJA DIALANI
TITLE OF INVENTION	FORMULATION OF MOUTHWASH WITH ETHANOLIC EXTRACT OF MENTHA ARVENSIS
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	drshwetakajjari@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	12/03/2021
PUBLICATION DATE (U/S 11A)	26/03/2021
FIRST EXAMINATION REPORT DATE	29/03/2021
Date Of Certificate Issue	29/09/2022
POST GRANT JOURNAL DATE	07/10/2022
REPLY TO FER DATE	28/07/2021

Application Status

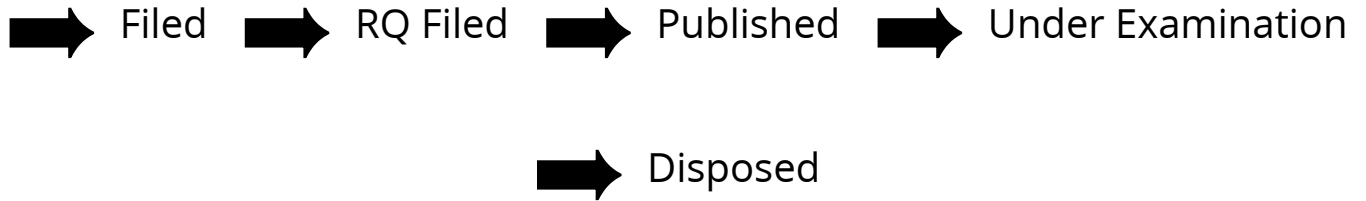
APPLICATION STATUS

**Granted Application, Patent Number
:408029**

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Biotechnology and Covid-19 Pandemic: Role of Biotechnology in Covid Vaccine Development

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**Biotechnology and Covid-19 Pandemic: Role of Biotechnology in Covid
Vaccine Development**

By : Dr. Deepika Saini
Dr. Prabhat Kumar Singh

Recent Developments in Medicine and Medical Research

Vol. 13



B P International

Multidrug resistance (MDR) is a major cause of human suffering that impairs the trust relationships between doctors and their patients, concomitant with huge economic losses. According to the World Health Organization (WHO), medicinal plants would be the best source to obtain a variety of drugs. Many plants have been used because of their antimicrobial traits, which are due to phytochemicals synthesized in the secondary metabolism of the plant. Plants are rich in a wide variety of secondary metabolites such as tannins, alkaloids, phenolic compounds, and flavonoids, which have been found in vitro to have antimicrobial properties. Plants have played a unique holistic role for the provision of food, drugs, clothing, shelter, etc. Natural compounds have been extensively explored for new drug discoveries. Indeed, plants have been used as medicines for more than 5000 years as a source of antibiotics. The emergence and spread of multidrug resistant pathogens have substantially threatened the current antibacterial therapy. This has necessitated a search for a new source of antimicrobial substances such as plants as they produce a variety of bioactive compounds.



Dr. Richa Sharma
Dr. Gajanand Sharma

Natural Medicinal Products

Role of Medicinal Plants for the Health & Well Being

Dr. Richa Sharma is Assistant Professor in Microbiology at Mahatma Gandhi University of Medical Sciences & Technology, Jaipur.

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Dr. Richa Sharma, Dr. Gajanand Sharma



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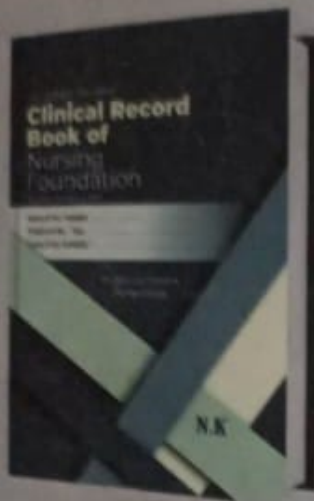
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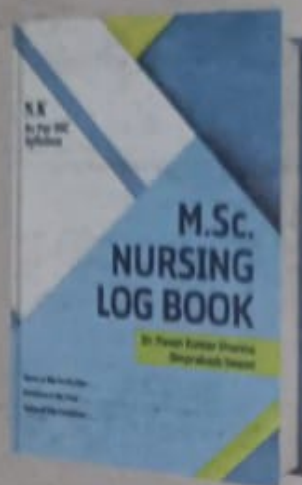


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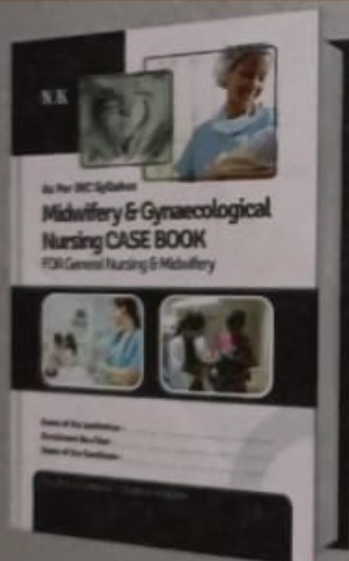


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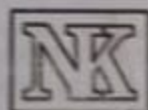
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Root Canal perforations have always been regarded as serious complications in dental practice and from a historical perspective most likely resulted in tooth extractions in the majority of cases. These types of defects, whether of pathologic or mechanical origin often require a creative approach to management.

The word "perforate" comes from the Latin word "perforo" which means to "bore", "pierce-through" or "penetrate".

Root Canal Perforation is a mechanical or pathological communication between the root canal system and the external tooth surface. It can be of two types, one that results from a resorptive process and the other, that is iatrogenically produced, which can occur during access cavity preparation or biomechanical preparation of the root canal or a post-endodontic procedure.



Pragya Singhal
Deepak Raisingani

Root Canal Perforation

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Root Canal Perforation

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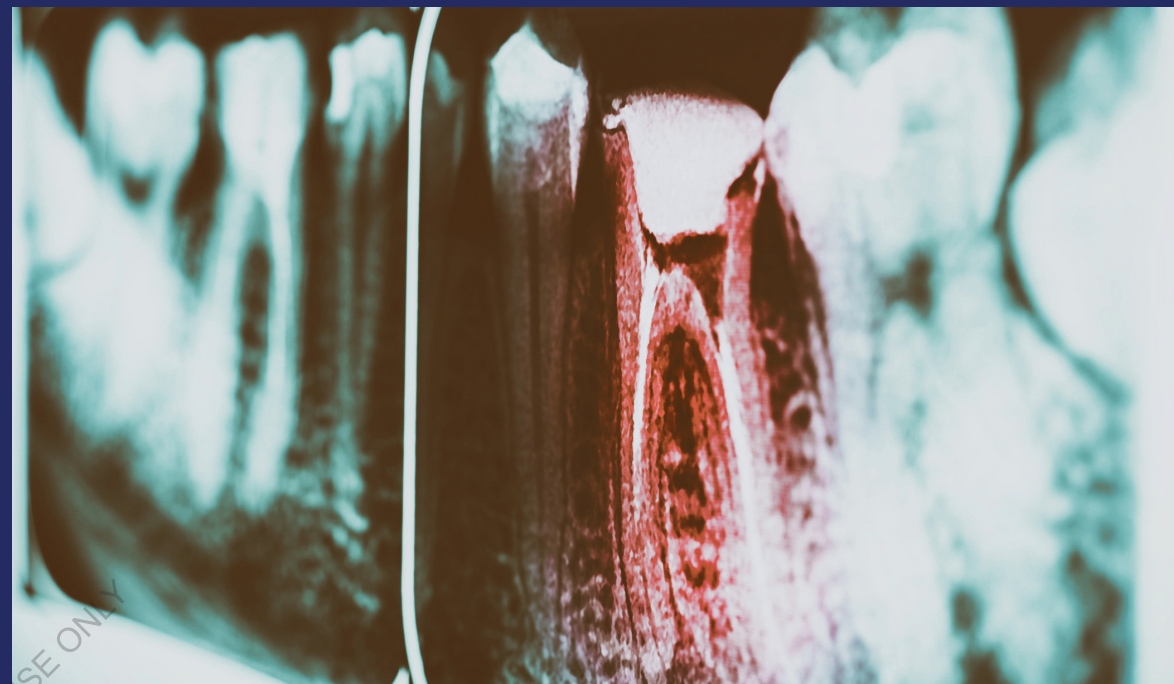
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An estimated two thirds of all dental emergencies are endodontic in nature with patients primarily seeking emergency care for a painful tooth. Dentists should use their professional judgment in determining a patient's need for urgent or emergency care. Dental emergencies could be potentially life threatening and require immediate treatment to stop ongoing tissue bleeding, alleviate severe pain or infection, and include uncontrolled bleeding, cellulitis or a diffuse soft tissue bacterial infection with intra-oral or extra-oral swelling that potentially compromise the patient's airway and trauma involving facial bones, potentially compromising the patient's airway. Urgent dental care focuses on the management of conditions that require immediate attention to relieve severe pain and/or risk of infection and to alleviate the burden on hospital emergency departments. These should be treated as minimally invasively as possible. Hence, the two most important elements of effective patient management for the resolution of an odontogenic infection are correct diagnosis and removal of the cause.



Aarushi Chopra
Deepak Raisingani

Endodontic Emergencies

I am a third year resident pursuing Post Graduate Training under the able guidance of Dr. Deepak Raisingani, Professor & Head, Department of Conservative Dentistry & Endodontics at Mahatma Gandhi Dental College & Hospital, Jaipur.

This book is a brief overview of literature reviewing Endodontic Emergencies and their management.



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Endodontic Emergencies

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Right Ventricle Failure in COVID-19

Sharmili Sinha, Ravi Jain, Rajendra Rawal

INTRODUCTION

The global pandemic caused by SARS COVID-19 (severe acute respiratory syndrome coronavirus disease 2019) virus has inflicted significant morbidity and mortality across nations. It primarily affects the respiratory system though it is well known to involve extrapulmonary systems, mainly cardiovascular, gastrointestinal, and nervous systems, as well. The cardiovascular system gets affected by direct and indirect mechanisms. Directly, it is known to involve the myocardium and can cause conduction blocks and thrombotic events. In the most severe form of respiratory involvement, it manifests as acute respiratory distress syndrome (ARDS), which is usually associated with various degrees of pulmonary arterial hypertension (PAH). This in turn strains the right ventricle (RV). Right ventricular dysfunction is reported in up to 40% cases of COVID-19 infection. RV dysfunction associated with respiratory failure has a worse prognosis.

PHYSIOLOGY OF RIGHT HEART

The close interactions between the RV and pulmonary artery (PA) are known as RV-PA coupling.

Right Ventricle–Pulmonary Artery Coupling

Coupling of RV and PA is essential for optimal output and maintenance of RV and pulmonary vascular pressures (Fig. 1).

Ventricular contractility is implied by end-systolic elastance (E_{es}). Effective arterial elastance (E_a) refers to net stiffness of the PA and thus indicates afterload. An E_{es}/E_a ratio of 1.0–2.0 is ideal and indicates healthy RV-PA unit. The PA hydraulic load has two main components, i.e., pulmonary vascular resistance (PVR) and pulmonary vascular capacitance or PA compliance (PAC). PAC is defined as the ratio of the stroke volume (SV) to PA pulse pressure. There is an inverse relation between PVR and PAC and their product is a constant.

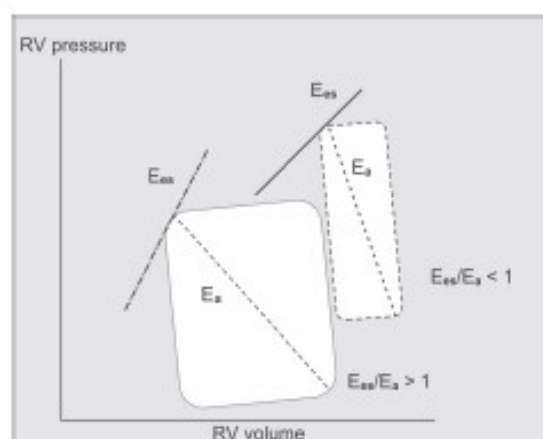
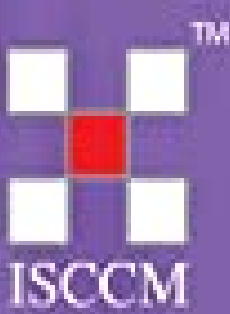


Fig. 1: RV-PA coupling. The pressure–volume curve of the RV allows characterization of the end-systolic PV relationship, whose slope corresponds to the RV systolic elastance (E_{es}), a load-independent measure of RV contractility. The line joining the RV end-systolic volume with its end-diastolic volume is termed as the pulmonary arterial elastance (E_a), which is a measure of the afterload as it is seen by the RV. The ratio between the E_{es} and E_a defines the RV-PA coupling, which should always be kept > 1 for optimal RV efficiency (black lines). Increased E_a or/and reduced E_{es} precipitates RV uncoupling ($E_{es}/E_a < 1$). The RV must dilate (Frank–Starling mechanism) to maintain its output, at the expense of a marked increase in wall stress, hence myocardial oxygen demand (red lines). (PA: pulmonary artery; RV: right ventricle)

Source: Bonnemain J, Ltaief Z, Liaudet L. The right ventricle in COVID-19. *J Clin Med*. 2021;10(12):2535.¹

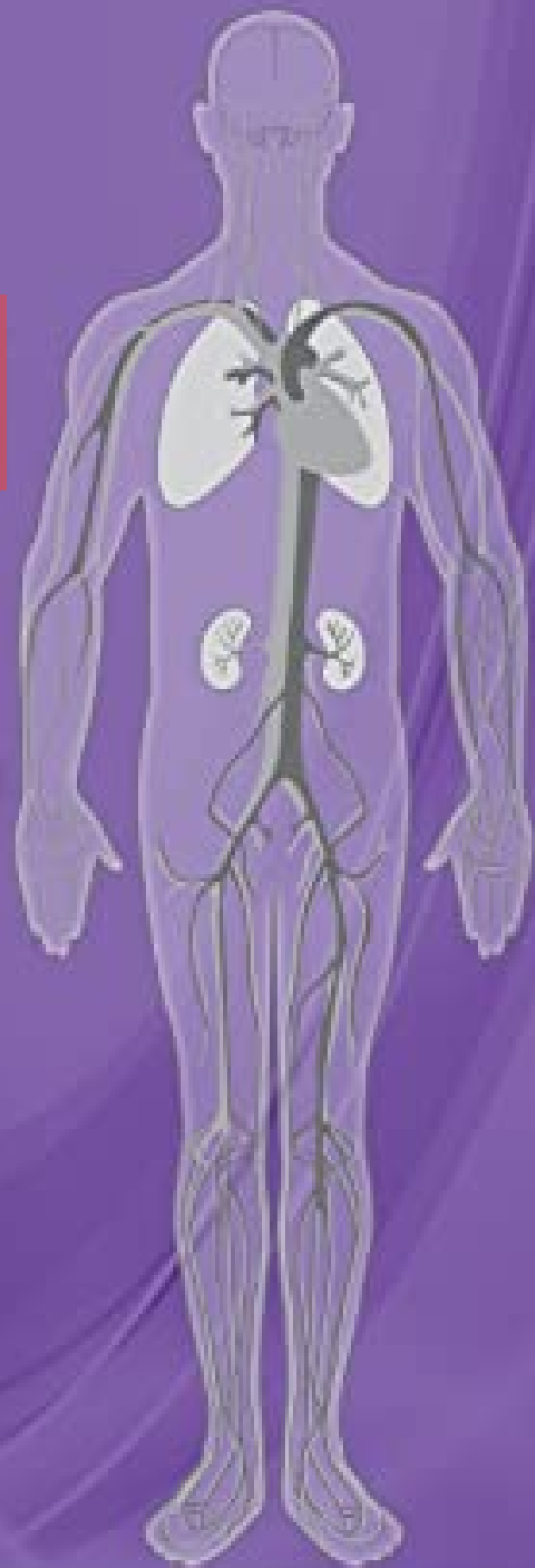
It is interesting to note that RV has a lower systolic elastance and greater diastolic compliance. Therefore, it more often adapts to changes in preload and not afterload. In chronic pathologies of slow rise in PA pressure, RV-PA coupling is maintained by progressive RV hypertrophy. However, if there is any acute rise in RV afterload, it can only be adapted transiently to a limit and beyond that it gets dilated to cope with raised afterload. Hence, RV systolic function declines with simultaneous increase in RV filling pressure with raised wall stress and reduced cardiac output (CO).



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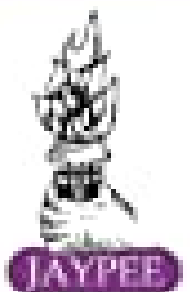
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Antibiotic Stewardship in Onco-Critical Patient

16

Ravi Jain, Monika Rajani, and Yash Javeri

16.1 Introduction

Antimicrobials are among one of the most crucial advances in the field of health-care. These drugs are the mainstay of therapy in the management of infections and prompt initiation provides survival advantages in patients with sepsis and septic shock [1, 2]. Hence early and appropriate use has been promoted vigorously in recent times as a standard of care in sepsis management [2]. However many studies report that majority of hospitalized patients were exposed to broad-spectrum antimicrobials and this exposure is often unnecessary, suboptimal, and inadequate [3, 4]. these observations have also pointed out a significant scope of improvement in antimicrobial prescriptions and an urgent need for antimicrobial stewardship.

It is largely noticed that special patient populations (E.g. Cancer patients, immunocompromised patients, anti-cancer therapy patients) were excluded from antimicrobial stewardship program (ASP) research. On the contrary, this special population should have been the most important groups for ASP. The last updated guidelines make ASP mandatory across the spectrum of health care. However, no specific recommendations were made for this subset of patients [4].

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Onco-critical Care

An Evidence-based Approach

Vinod Kumar
Nishkarsh Gupta
Seema Mishra

Editors

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Central Line Related Blood Stream Infection

Yash Javeri, Ravi Jain

INTRODUCTION

Blood stream is a sterile closed compartment in human body. Any breach or access may lead to infection in this sterile site and is called Blood Stream Infection (BSI). This is a common hospital acquired infection and leads to cost escalation, morbidity and mortality.¹

A simplistic case based approach to the management of BSI is provided in following discussion.

Case Study

A sixty year old gentleman rushed from dialysis unit of the hospital to intensive care unit after announcement of code rapid response team (RRT) for hypotension and altered sensorium. The patient presented five days back to the nephrology out-patient department for uremic symptoms with background of hypertensive chronic kidney disease (CKD-V). Dialysis was initiated with a short term femoral hemodialysis catheter. During the third dialysis session patient encountered episode of sudden shivering and hypotension which was followed by altered sensorium and hypoglycemia.

On examination patient was drowsy, diaphoretic had temperature: 101.1°F, heart rate: 120/minute, blood pressure: 84/40 mm of Hg, RR: 24/minute, SpO₂:99% on room air.

Systemic examination for central nervous system, respiratory and cardiac system examination revealed no other significant

details, while poor personal and inguinal hygiene and soiled femoral hemodialysis catheter was noticed during abdominal examination.

Q.1. What are the different types of blood stream infections?

Q.2. Definition of central line?

Q.3. Types of central lines?

Q.4. Objective definition of CRBSI/CLABSI?

National Healthcare Safety Network (NHSN), CDC have defined BSI in following terminologies for the purpose of surveillance.²

- **Primary BSI:** Where no other site of infection could be identified in a case of Laboratory Confirmed Bloodstream Infection (LCBI).
- **Secondary BSI:** where other site specific infection can be identified in the event of LCBI.

Primary BSI is common complications of iatrogenic interventions and devices introduced in blood stream as to support therapeutic interventions. Two closely related definitions are used to describe the central line related BSI, however these are not interchangeable. These are Catheter related blood stream infection (CRBSI) and central line associated blood stream infection (CLABSI).^{3,4}

- **CRBSI:** It is a clinical definition of the BSI, where infection is attributed to an intravascular catheter, by the means of

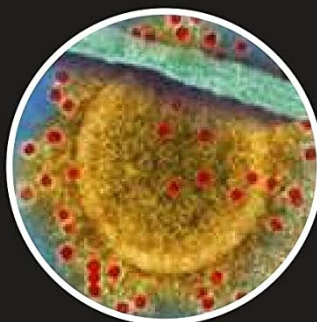
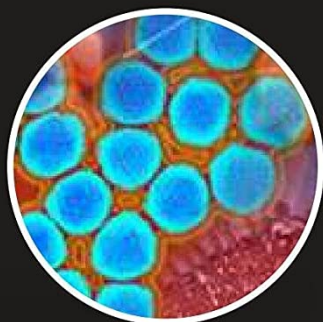


Infectious

Diseases in

Critical Care

Case Based Approach



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Managing the behavior of pediatric dental patient is an important step for the success of the dental treatment. Even if treatment is completed successfully but child is not managed properly, the treatment is considered to be a failure.

This book addresses a thorough information about the behavior of a child, factors affecting the behavior and various non-pharmacological behavior modification techniques. Information about the new and modified conventional behavior management techniques are also described in detail in the last section of the book. Various research studies related to different techniques are also discussed.



Priyanka Lekhwani
Nikhil Marwah
Anant Gopal Nigam

Dr. Priyanka Lekhwani has completed her graduation from MGM Dental college and Hospital, Navi Mumbai, Maharashtra, India and is now currently doing post graduation in Pediatric and Preventive Dentistry from Mahatma Gandhi Dental College and Hospital, Jaipur, Rajasthan, India.

Non-Pharmacological Behaviour Modification: An Update



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Lekhwani, Marwah, Nigam

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The mouth act as 'a mirror of health or disease, as a sentinel or early warning system, as an open model for the investigation of different tissues and organs and as a possible source of pathology influencing different other systems and organs.' Oral health is one of the most significant component in the normal development of a child. Dental caries is a dynamic process of demineralization and remineralization that can progress or regress depending upon the huge number of variables. Early Childhood Caries (ECC) influences 60% to 90% of pre-school and grown-ups children in both industrialized and developing countries. It is a serious public health burden, medically, socially and financially which is characterized by early onset and rapid progression. Since it is a multi-factorial disease and can be preventable during its early stages i.e., can be stopped and reversed. It can have direct or indirect impact on quality of life (QoL) of a child. This book addresses to look at an update of ECC which is a persistent and possibly widespread public health problem. The diagnosis, epidemiology, etiology, preventive strategies and treatment options of ECC are reviewed and revisited.



Mili Meghpara

Early Childhood Caries (ECC): Revisited

Devastating condition of dental decay in small children



Dr. Mili Meghpara has completed her graduation from Rajasthan University of Health Sciences (RUHS), India and then completed post-graduation from Department of Pediatric and Preventive Dentistry, Mahatma Gandhi University Medical Sciences & Technology (MGUMST) – Jaipur, Rajasthan, India. Her field of interest is in cariology, preventive pedodontics.



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GATEWAY OF HEALTH



ANSHUMAN JAMDADE
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Gateway of Health

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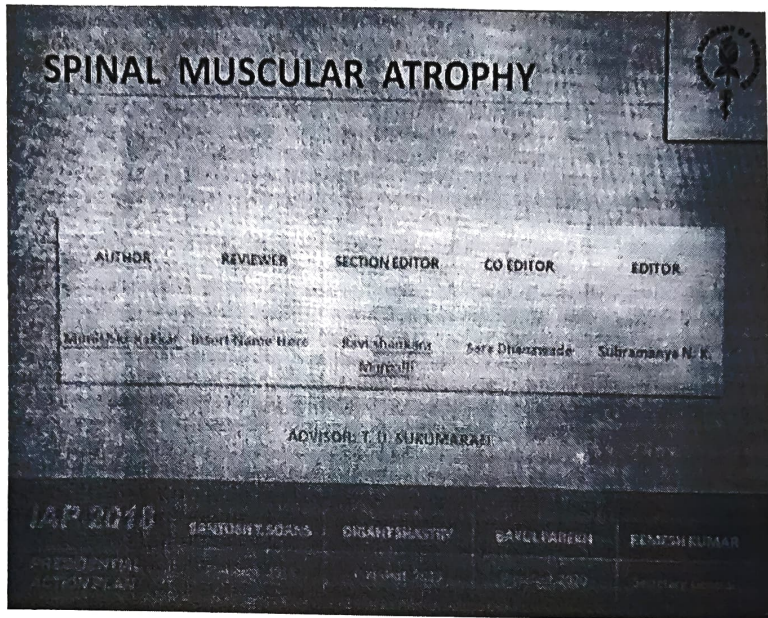
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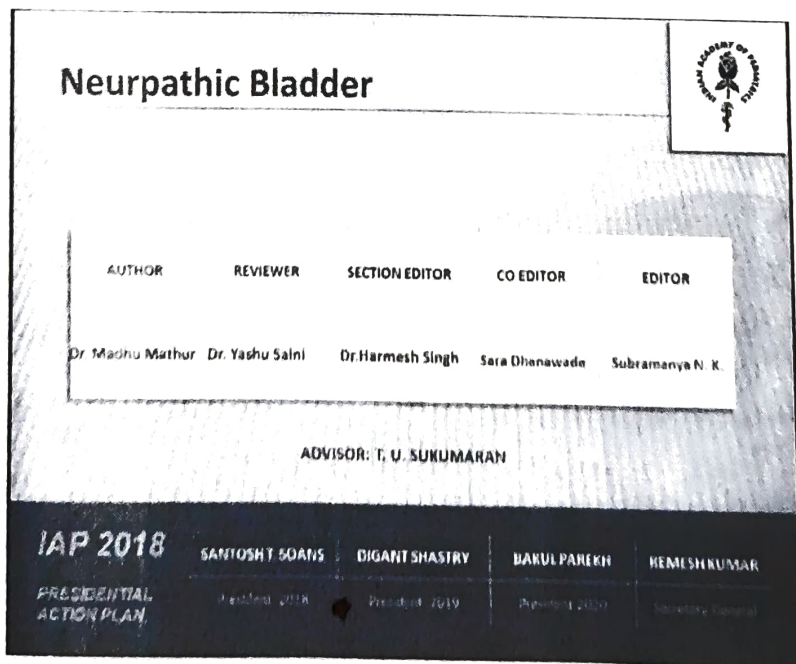
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MCQs

MCQs in Pediatric Dentistry

With Explanatory Answers

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RESEARCH METHODOLOGY IN DENTISTRY

DR. PANGATI KAURANI
DR. NIKHIL MAHWAL



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It is a thorough product of the latest advancement in fluoride dentistry. This book not only provides the recent advancement but also clear the basic concepts of fluorides by providing everything and anything regarding them, starting from their history to the latest innovation. Overall, it is a wide-ranging and student friendly adaptation. It includes various illustrations, flow charts and clinical photographs wherever required for the comprehensive understanding of the reader. This book has been written with facts by reviewing various research studies and scientific references. The studies quoted in the text ranges from the first article published regarding the topic to the latest, so as it offers a complete picture of the topic and the reader does not have to consult various other authors.

SILVER BULLETS



Nikita Gupta

Silver Bullets

Advances In Fluoride Dentistry



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