



**E-COPIES OF LETTER PATENT
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2022**



Mangalayatan University

**Extended NCR, 33rd Milestone, Aligarh-Mathura Highway
Beswan, Aligarh - 202146, Uttar Pradesh, India**

S. No.	Patent Application No.	Status of Patent (Published/Granted)	Inventor/s Name	Title of the Patent	Patent Published Dated/ Granted Date
1	2022/11202	Granted	Ravi Kant, Keshav Lalit Ameta, Aftikhar Agmad Khan, Abdul Rahman Khan, Dinesh Kumar Sharma, Preeti Rani, Jaya Pandey, Atul Kumar	Method of Synthesis and Biomedicinal application of novel heterocyclic bismuthine	21-12-22
2	202211067705	Published	Dr. Dinesh K. Sharma, Dr. Ravi Kant, Dr. Shailesh Narayan, Dr. Debaprakash Dev, Dr. Suraj Sharma Dr. Iti Gontia	Novel organobismuth as antimicrobial and its synthesis thereof	09-12-22
3	2022/03609.	Granted	Devika Tripathi, Sangeeta Mishra, Yadvendra Singh Thenuan, Ritesh Kumar Tiwari, Uday Prakash, Shashi Verma, Dinesh Kumar Sharma, Ramveer Maurya, Rajat Yadav, Rizwana Bee, Aafreen, Priyanka Verma	Formulation of CurcumimLOaded Topical Gel using Sodium Salicylate Hydrotrope	31-08-22



REPUBLIC OF SOUTH AFRICA

REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

CERTIFICATE

In accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

KANT, RAVI; AMETA, KESHAV LALIT; KHAN, IFTIKHAR AHMAD; KHAN, ABDUL RAHMAN; SHARMA, DINESH KUMAR; RANI, PREETI; PANDEY, JAYA; KUMAR, ATUL

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

2022/11202

A copy of the complete specification is annexed, together with the relevant Form P2.

testimony thereof, the seal of the Patent Office has been affixed at Pretoria with effect from the **21st day of December 2022**

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Registrar of Patents



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PATENTS ACT, 1978

Official application No.		Lodging date: Provisional		Acceptance date	
21	01	22		47	
2022/11202					
International classification		Lodging date: Complete		Granted date	
51	C07D;C09K	23	2022/10/13		
71 Full name(s) of applicant(s)/Patentee(s):					
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71	Applicant substituted:			Date registered	
71	Assignee(s):			Date registered	
72	Full name(s) of inventor(s):				
KANT, Ravi AMETA, Keshav Lalit KHAN, Iftikhar Ahmad KHAN, Abdul Rahman SHARMA, Dinesh Kumar RANI, Preeti PANDEY, Jaya KUMAR, Atul					
Priority claimed:		Country	Number	Date	
54	Title of invention				
METHOD OF SYNTHESIS AND BIOMEDICINAL APPLICATIONS OF NOVEL HETEROCYCLIC BISMUTHINE					
Address of applicant(s)/patentee(s):					
Mangalayatan University, Aligarh, Uttar Pradesh INDIA Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar, Gujarat, 388120 INDIA Department of Chemistry, Integral University, Lucknow, Uttar Pradesh, Lucknow INDIA Dean, Faculty of Science, Integral University Lucknow, Uttar Pradesh INDIA Department of Chemistry, Mangalayatan University, Aligarh, Uttar Pradesh, 202145 INDIA Department of Chemistry, Mewar University, Chittorgarh, Chittorgarh, Rajasthan INDIA Department of Chemistry, Amity University, Uttar Pradesh, Lucknow Campus, Lucknow, Uttar Pradesh INDIA Executive Secretary, Indian Science Congress Association, Kolkata, West Bengal INDIA					
74	Address for service				

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211067705 A

(19) INDIA

(22) Date of filing of Application :24/11/2022

(43) Publication Date : 09/12/2022

(54) Title of the invention : NOVEL ORGANOBIISMUTH AS ANTIMICROBIAL AND ITS SYNTHESIS THEREOF

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

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

(71) Name of Applicant :

1) **Mangalayatan University, Aligarh**

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3) **Sikkim Professional University**

4) **Usha Martin University**

5) **Mangalayatan University, Jabalpur**

6) **Dr. Dinesh Kumar Sharma**

7) **Dr. Ravi Kant**

Name of Applicant : NA

Address of Applicant : NA

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6) **Dr. Iti Goatia**

Address of Applicant :Department of Agriculture Microbiology, Mangalayatan University, Jabalpur-483001, M. P., India Jabalpur

(57) Abstract :

The present invention relates to novel organobismuth as antimicrobial and its synthesis thereof. The present invention deals the synthesis of novel organic derivatives of bismuth through modified method. The newly synthesized organobismuth were characterized by melting point, elemental and spectral analysis followed by their antimicrobial activity against pathogenic microbial strains.

No. of Pages : 19 No. of Claims : 4

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REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

CERTIFICATE

In accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

MS. DEVIKA TRIPATHI; MS. SANGEETA MISHRA; MR. YADVENDRA SINGH THENUAN; MR. RITESH KUMAR TIWARI; MR. UDAY PRAKASH; DR. SHASHI VERMA; DR. DINESH KUMAR SHARMA; MR. RAMVEER MAURYA; MR. RAJAT YADAV; MS. RIZWANA BEE; MS. AAFREEN; MS. PRIYANKA VERMA

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

2022/03609

A copy of the complete specification is annexed, together with the relevant Form P2.

In testimony thereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 31st day of August 2022

A handwritten signature in black ink, appearing to read 'Registrar of Patents', is placed over a dotted line. To the left of the signature is a red, star-shaped seal.

Registrar of Patents

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FORM P2

Official application No.	Lodging date: Provisional 21 01 2022/03609	Acceptance date 47 6 June 2022
International classification 51 A61K	Lodging date: National phase 23 29 March 2022	Granted date 31 August 2022
71 Full name(s) of applicant(s)/Patentee(s): (1) Ms. Devika Tripathi; (2) Ms. Sangeeta Mishra; (3) Mr. Yadvendra Singh Thenuan; (4) Mr. Ritesh Kumar Tiwari; (5) Mr. Uday Prakash; (6) Dr. Shashi Verma; (7) Dr. Dinesh Kumar Sharma; (8) Mr. Ramveer Maurya; (9) Mr. Rajat Yadav; (10) Ms. Rizwana Bee; (11) Ms. Aafreen; (12) Ms. Priyanka Verma		
71 Applicant(s) substituted:	Date registered	
71 Assignee(s):	Date registered	
72 Full name(s) of inventor(s): (1) Ms. Devika Tripathi; (2) Ms. Sangeeta Mishra; (3) Mr. Yadvendra Singh Thenuan; (4) Mr. Ritesh Kumar Tiwari; (5) Mr. Uday Prakash; (6) Dr. Shashi Verma; (7) Dr. Dinesh Kumar Sharma; (8) Mr. Ramveer Maurya; (9) Mr. Rajat Yadav; (10) Ms. Rizwana Bee; (11) Ms. Aafreen; (12) Ms. Priyanka Verma		
Priority claimed:	Country	Number
54 Title of invention FORMULATION OF CURCUMIN LOADED TOPICAL GEL USING SODIUM SALICYLATE HYDROTROPE		
Address of applicant(s)/patentee(s): (1) Assistant Professor, Institute of Pharmacy, Pranveer Singh Institute of Technology, Kanpur, Uttar Pradesh, 209305, India; (2) Research Scholar, Institute of Pharmacy, Pranveer Singh Institute of Technology, Kanpur, Uttar Pradesh, 209305, India; (3) Assistant Professor, School of Pharmacy, Mangalayatan University, Beswan, Uttar Pradesh, 202145, India; (4) Assistant Professor, Department of Pharmacy, Shri Ram Murti Smarak College of Engineering and Technology, Bareilly, Uttar Pradesh, 243202, India; (5) Associate Professor, S.R Institute of Pharmacy, Maikpur Bhuta, Bareilly, Uttar Pradesh, 243126, India; (6) Associate Professor, Department of Pharmacy, Shri Ram Murti Smarak College of Engineering and Technology, Bareilly, Uttar Pradesh, 243202, India; (7) Principal, Himalayan Institute of Pharmacy and Research, Rajawala Road, Selakui, Uttarakhand, 248007, India; (8) Assistant Professor, S.R Institute of Pharmacy, Maikpur Bhuta, Bareilly, Uttar Pradesh, 243126, India; (9) Assistant Professor, Department of Pharmacy, Shri Ram Murti Smarak College of Engineering and Technology, Bareilly, Uttar Pradesh, 243202, India; (10) Assistant Professor, Department of Pharmacy, Shri Ram Murti Smarak College of Engineering and Technology, Bareilly, Uttar Pradesh, 243202, India; (11) Assistant Professor, Department of Pharmacy, Shri Ram Murti Smarak College of Engineering and Technology, Bareilly, Uttar Pradesh, 243202, India; (12) Assistant Professor, Department of Pharmacy, Shri Ram Murti Smarak College of Engineering and Technology, Bareilly, Uttar Pradesh, 243202, India		
74 Address for service Sibanda and Zantwijk, Oaktree Corner, 9 Kruger Street, Oaklands (PO Box 1615 Houghton 2041), Johannesburg, 2192, SOUTH AFRICA Reference no.: PT CP_ZA00003832 ([InsID:])		
61 Patent of addition No.	Date of any change	

Fresh application based on:	Date of any change
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