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3.2 Innovation system

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List of patents from AY 2018 To AY 2023

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1.	Dr Ashwini Madgulkar and Dr Mangesh Bhalekar	202021028699	07/01/2022	Solid lipid nanoparticles of plant extract for the treatment of rheumatoid arthritis
2.	Dr Shshikant Bhandari, Dr Aniket Sarkate	202121001303	15/07/2022	Substituted 3,5 di aryl pyrazole compounds as anticancer agents
3.	Dr Shshikant Bhandari, Dr Aniket Sarkate,	202121002076	22/07/2022	Substituted N phenyl 2,2 dichloroacetamide compounds as anticancer agents
4.	Dr. Ashwini R. Madgulkar, Dr Sachin Tembhurne Ms Aparna Ashok Lakare, Mr Gautam Sanjay Gundecha	202221039347	29/07/2022	A nutritional composition containing bovine colostrums,
5.	Dr Sachin Tembhurne, Dr. Ashwini R. Madgulkar Ms Preetam Palkar,Mr Anirudha Chaskar	202221050617	16/09/2022	A nutritional composition for diabetes,
6.	Dr Ashwini Madgulkar , Dr Shshikant Bhandari, Shital Patil	202321039450	08/06/ 2023 Application	Substituted diazole compounds as anticancer agent
7.	Dr Ashwini Madgulkar, Dr. Tejinder kaur Marwaha and Dr Mangesh Bhalekar	202321076393	11/08/2023 Application	Chitosan- 2-mercapto Benzoic acid Based Mucoadhesive Microspheres

Solid lipid nanoparticles of plant extract for the treatment of rheumatoid arthritis

(12) PATENT APPLICATION PUBLICATION (21) Application No.202021028699 A

(19) INDIA

(22) Date of filing of Application :06/07/2020 (43) Publication Date : 07/01/2022

(54) Title of the invention : SOLID LIPID NANOPARTICLES OF PLANT EXTRACT FOR THE TREATMENT OF RHEUMATOID ARTHRITIS

(51) International classification	A61K0036324000, A61K0008970000, A61K0036906800, A23L0033105000	(71)Name of Applicant: 1)Mangesh Ramesh Bhalekar Address of Applicant: AISSMS College of Pharmacy, Kenned road, near RTO, Pune Maharashtra India (72)Name of Inventor:
(31) Priority Document No	:NA	1)Ashwini Raghavendra Madgulkar
(32) Priority Date	:NA	2)Mangesh Ramesh Bhalekar
(33) Name of priority country	:NA	
(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	

(57) Abstract:

The present invention relates to a solid lipid nanoparticles composition comprising effective amount of at least one plant extract for treatment of rheumatoid arthritis. The present invention more particularly relates to a solid lipid nanoparticles consisting of gingerol obtained from ginger extract, chlorogenic acid obtained from coffee bean extract or 3-acetyl-11-keto-beta-boswellic acid obtained from boswellia extract with atleast one lipid selected from the group of fatty acids or glycerides and at least one surfactant for treatment of rheumatoid arthritis suitable for lymphatic uptake on oral administration. The invention also relates to method of treatment of rheumatoid arthritis by oral administration of solid lipid nanoparticles of Coffee bean extract, Ginger extract, Bowellia extract suitable for Lymphatic uptake. The invention relates to a process of preparation of the solid lipid nanoparticles of at least one plant extract by melt emulsification homogenisation method.

Substituted 3,5 di aryl pyrazole compounds as anticancer agents

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121001303 A

(19) INDIA

(22) Date of filing of Application :12/01/2021

(43) Publication Date: 15/07/2022

(54) Title of the invention: SUBSTITUTED 3,5-DIARYL PYRAZOLE COMPOUNDS AS ANTI-CANCER AGENTS

(51) International classification	:C07D0403040000, C07D0403140000, A61K0045060000, C07F0009655800, C07D0405040000	(71)Name of Applicant: 1)Dr. Shashikant Vasantrao Bhandari Address of Applicant: AISSMS COLLEGE OF PHARMACY PUNE, NEAR RTO, KENNEDY ROAD, 411001 Maharashtra India
(31) Priority Document No	:NA	2)Dr. Aniket P. Sarkate
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	1)Dr. Shashikant Vasantrao Bhandari
(86) International Application No	:NA	2)Dr. Aniket P. Sarkate
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	ber:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Substituted 3,5-diaryl pyrazole compounds as anti-cancer agents The present invention relates to substituted 3,5-diaryl pyrazole compounds anti-cancer agents, pharmaceutically acceptable salts, wherein substitutes are described herein, for their use in medicine for the treatment of cancer diseases more particulary as EGFR tyrosine kinase inhibitors. The invention also relates to pharmaceutical composition containing such compounds for treating tuberculosis.

Substituted N phenyl 2,2 dichloroacetamide compounds as anticancer agents

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121002076 A

(19) INDIA

(22) Date of filing of Application :16/01/2021

(43) Publication Date: 22/07/2022

(54) Title of the invention: SUBSTITUTED N-PHENYL-2,2-DICHLOROACETAMIDE COMPOUNDS AS ANTI-CANCER AGENTS

C07D0403040000, A61K0031095000,	(71)Name of Applicant: 1)DR. SHASHIKANT VASANTRAO BHANDARI Address of Applicant :AISSMS COLLEGE OF PHARMACY PUNE, NEAR RTO, KENNEDY ROAD, 411001 Maharashtra India
:NA	2)DR. ANIKET P SARKATE
:NA	(72)Name of Inventor :
:NA	1)DR. SHASHIKANT VASANTRAO BHANDARI
:NA	2)DR. ANIKET P SARKATE
:NA	- Area consistent of Mineral Control of Area and
: NA	
:NA :NA	
:NA	
	C07D0403040000, A61K0031095000, A61K0009127000, C07K0005020000 :NA :NA :NA :NA :NA :NA :NA

(57) Abstract:

The present invention relates to substituted N-phenyl-2,2-dichloroacetamide compounds as anti-cancer agents, pharmaceutically acceptable salts, wherein substitutes are described herein, for their use in medicine for the treatment of cancer diseases. The invention also relates to pharmaceutical composition containing such compounds for treating cancer.

No. of Pages: 17 No. of Claims: 5

A nutritional composition containing bovine colostrums

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221039347 A

(19) INDIA

(22) Date of filing of Application :08/07/2022

(43) Publication Date: 29/07/2022

(54) Title of the invention: A NUTRITIONAL COMPOSITION CONTAINING BOVINE COLOSTRUM

(51) International classification :A23L0033000000, A23L0033160000, A23L0033190000, A61K0036480000, A61K0035200000

(86) International

Application No Filing Date :NA

(87) International Publication No : NA

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

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

(71)Name of Applicant:

1)All India Shri Shivaji Memorial Society's College of Pharmacy (Principal)

Address of Applicant : Kennedy Road, Near RTO, Pune-411001, Maharashtra, India ------

Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor :

1)Dr. Ashwini Raghayendra Madgulkar

Address of Applicant: All India Shri Shivaji Memorial Society's College of Pharmacy, Kennedy Road, Near RTO, Pune-411001,

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4)Mr. Gautam Sanjay Gundecha

Address of Applicant : All India Shri Shivaji Memorial Society's College of Pharmacy, Kennedy Road, Near RTO, Pune-411001, Maharashtra, India Pune -------

(57) Abstract:

ABSTRACT The present invention relates to a nutritional composition for management of protein-energy malnutrition in human population, more preferably malnourished infants and children. The invention particularly relates anutritional composition comprising bovine colostrum, Brassica oleracea, Pumpkin seeds, Vigna radiata beans, Flax seed and combinations thereof. The nutritional composition is effective in managing micronutrient deficiency, anaemic condition, to support weight gain and to overcome the several issues in pregnancy associated with malnutrition.

No. of Pages: 29 No. of Claims: 9

A nutritional composition for diabetes

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221050617 A

(19) INDIA

(22) Date of filing of Application :05/09/2022

(43) Publication Date: 16/09/2022

(54) Title of the invention : A NUTRITIONAL COMPOSITION FOR DIABETES

:A61P0019100000, A61P0025180000, (51) International A61K0008490000, A61P0025200000, classification A61P0009100000 (86) International :NA Application No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to NA Application Number :NA Filing Date (62) Divisional to :NA Application Number :NA Filing Date

(71)Name of Applicant :

 All India Shri Shivaji Memorial Society's College of Pharmacy Address of Applicant: Kennedy Road, Near RTO, Pune-411001,

Maharashtra, India Pune -----

Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor :

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Address of Applicant :All India Shri Shivaji Memorial Society's College of Pharmacy, Kennedy Road, Near RTO, Pune-411001, Maharashtra,

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2)Dr. Ashwini Raghavendra Madgulkar

Address of Applicant :All India Shri Shivaji Memorial Society's College of Pharmacy, Kennedy Road, Near RTO, Pune-411001, Maharashtra,

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3)Mr. Nikhil Potdar Address of Applicant :All India Shri Shivaji Memorial Society's College of Pharmacy, Kennedy Road, Near RTO, Pune-411001, Maharashtra,

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5)Mr. Anirudha Chaskar

Address of Applicant :All India Shri Shivaji Memorial Society's College of Pharmacy, Kennedy Road, Near RTO, Pune-411001, Maharashtra,

India Pune -----

(57) Abstract :

ABSRACT A NUTRITIONAL COMPOSITION FOR DIABETES The present invention relates to a nutritional composition for management of diabetes in human population, more preferably type 2 diabetes conditions in lean body mass patients and or in fibrocalculous pancreatic diabetes subjects. The invention particularly relates a nutritional composition comprising bovine colostrum, Trigonella foenum-graecum, Asparagus racemosus and combinations thereof. The nutritional composition has application in single formulation to control the glycemia as well as micronutrient deficiency specially vitamin B12 without use of metformin. The composition also has application to improve the pharmacokinetic profile of high protein bound drugs.

Substituted diazole compounds as anticanceragent

Date: 09/06/2023

To,

All India Shri Shivaji Memorial Society's College of Pharmacy Kennedy Road, Near RTO.

Pune-411001, Maharashtra, India

SUBJECT: FILING PROVISIONAL PATENT APPLICATION ININDIA

Re:

Patent Application No.	202321039450
Applicant Name	All India Shri Shivaji Memorial Society's College of Pharmacy
Title	SUBSTITUTED DIAZOLE COMPOUNDS AS ANTICANCER AGENT
FILING DATE	08 th Day of June, 2023

Dear Sir/Madam,

We confirm the filing of provisional patent application in India for your invention at the Indian Patent Office with the application number 202321039450 on June 08, 2023. Please findenclosed herewith the "Patent Office Receipt" and documents as filed at the Indian Patent Office.

1) Request for publication: Default publication of the instant application shall be ordinarily due *after 18 months* from the priority date. However, a request for early publication may be filed along with the prescribed fees anytime after the filing of the provisional patent application. On filing such request for early publication, the instant application shall be published in the Indian Patent Office Journal ordinarily within 1 month from the date of filing of the request for early publication.

Request for examination: The non-extendable and mandatory deadline for filing Requestfor Examination is **48** *months* from the priority date. {Section 11B(1); Rule 24B(1) (i) of the Patents Act, 1970 and Patents (Amendment) Rules 2014}.

The above mentioned patent application is eligible for the expedited examination and the request for examination can be filed to expedite the patent examination process.

Please note that the above details are pursuant to the existing provisions of the Patent Law of India. The addressee of this letter is responsible for taking cognizance of the deadlines and is expected to take the necessary action towards the stipulated requirements. Also note that additional updates or details may be provided from time to time when relevant.

1) Filing foreign application: The non-extendable deadline to file the foreign application or International application (PCT) is 12 Month from the date of filing.

Thanking you,

Yours faithfully,

Asha Hole

IP consultant

Indian Patent and Trademark Agent

Chitosan- 2-mercapto Benzoic acid Based Mucoadhesive Microspheres

PATENT eFiling

intCBRReceipt

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Welcome Asha Popat Hole

Sign out

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24130387
E-mail: mumbai-patent@nic.in
Web Site: www.ipindia.gov.in

सत्यमेव जयते G.A.R.6 [See Rule 22(1)] RECEIPT INTELLECTUAL PROPERTY INDIA PATENTS I DESIGNS I TRADE MARKS GEOGRAPHICAL INDICATIONS

Docket No 47005 Date/Time 2023/06/08 16:30:00

To Asha Popat Hole

C/o Dr. Sachin Borawake, Flat no 1, above Om hospital, near SK traders, Opposite Bhekrainagar bus stop UserId: Ashahole

CBR Detail:

Sr. No.	App. Number	Ref. No./Application No.	Amount Paid	C.B.R. No.	Form Name		Rei	marks
1	E-106/1276 /2023/MUM	202321039450	0		FORM28			
2	202321039450	TEMP/E-1/44212/2023- MUM	1600	25051	FORM 1	~	STITUTED DIAZO FICANCER AGENT	LE COMPOUNDS AS
Tra	ansactionID	Payment Mode	Challan	Identificat	ion Number		Amount Paid	Head of A/C No
N-0	0001162096	Online Bank Transfer		080623003	0656		1600.00	1475001020000001

Total Amount : ₹ 1600.00

Amount in Words: Rupees One Thousand Six Hundred Only Received from Asha Popat Hole the sum of ₹ 1600.00 on account of Payment of fee for above mentioned Application/Forms.

 $\ensuremath{^*}$ This is a computer generated receipt, he
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IIC Establishment Certificate



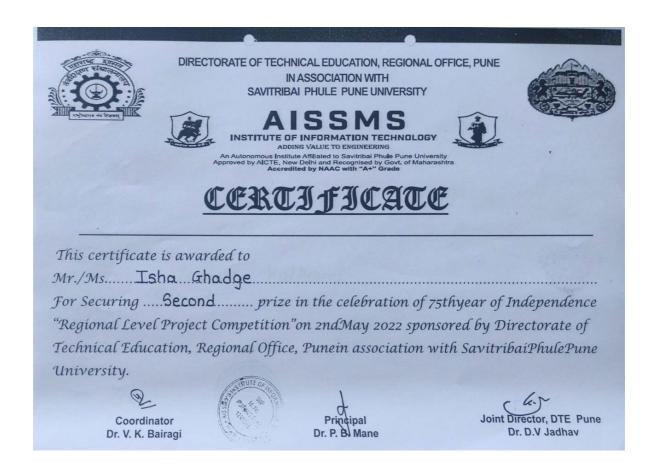
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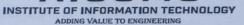


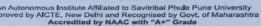
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Coordinator Dr. V. K. Bairagi

Principal Dr. P. B. Mane

Joint Director, DTE Pune Dr. D.V Jadhav

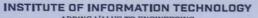




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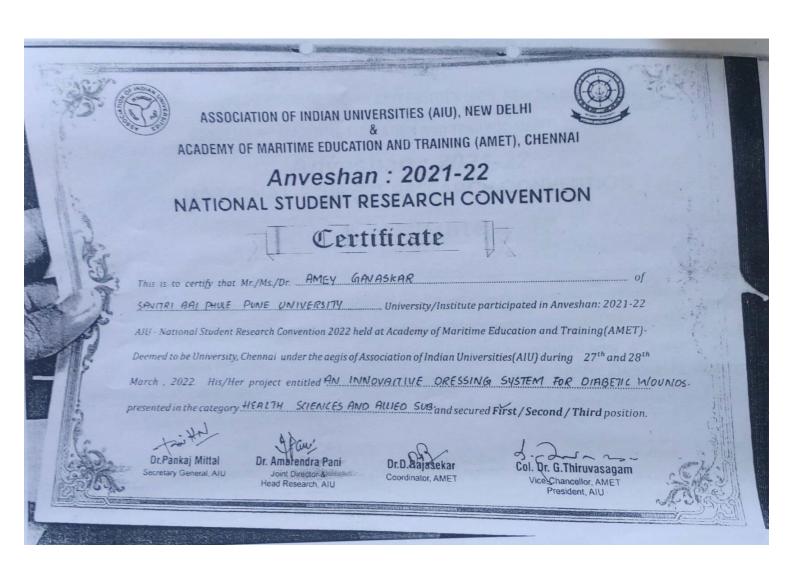


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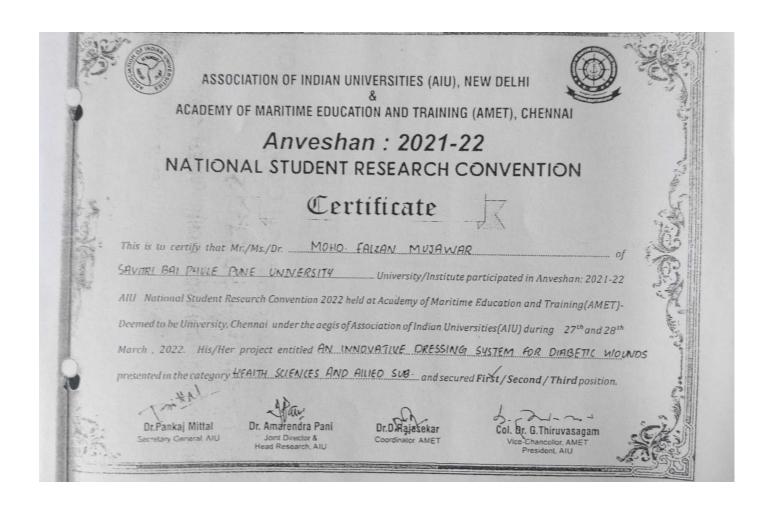


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Mr./Ms. Namuata	Rathod	
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"Regional Level Project Competiti	on"on 2ndMay 2022 sponsored by Directorate	of
	fice, Punein association with SavitribaiPhulePr	
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Coordinator Dr. V. K. Bairagi	Principal Joint Director, DTE I Dr. P. B. Mane Dr. D.V Jadhav	









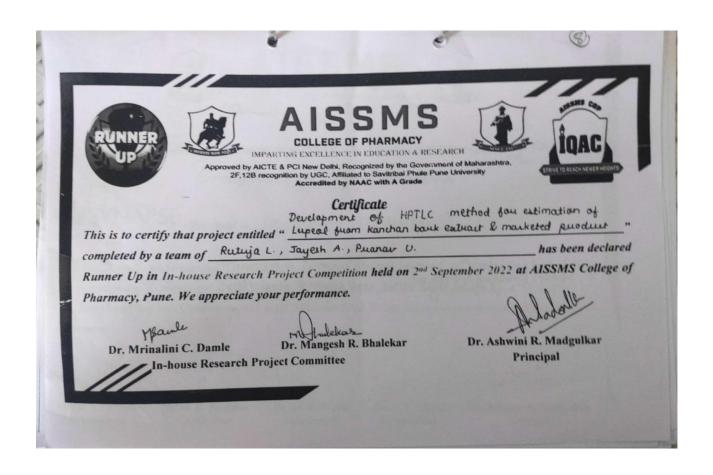






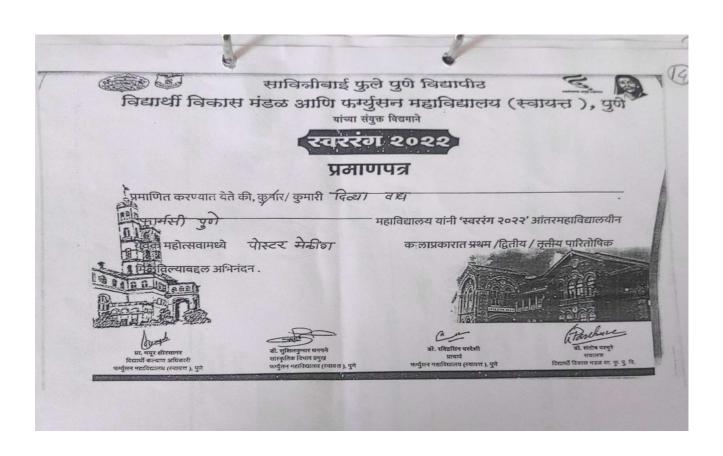




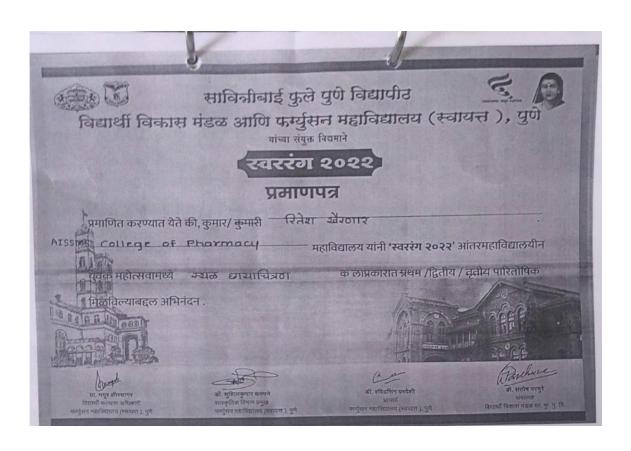










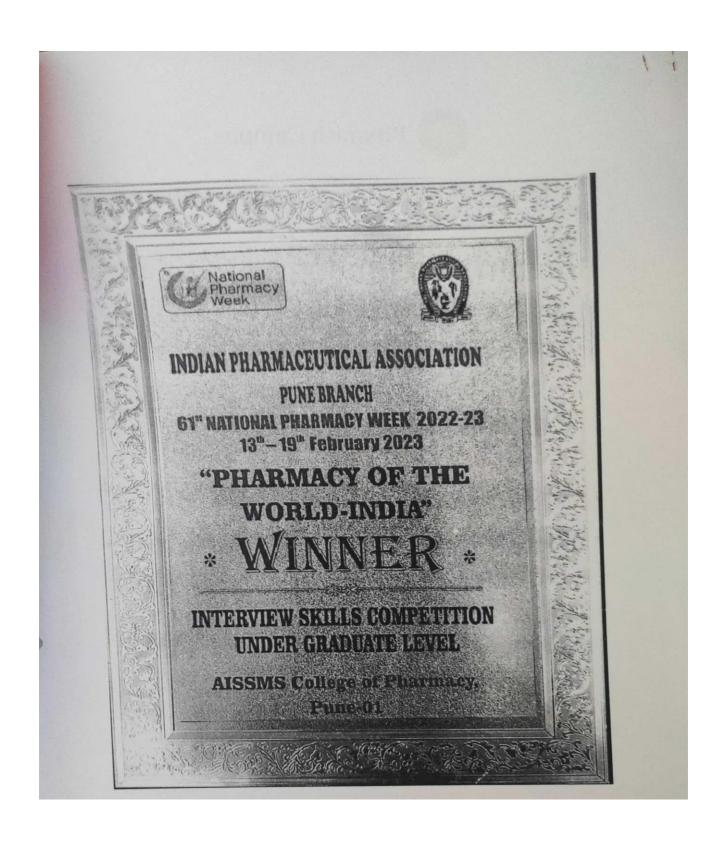






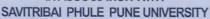






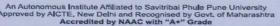


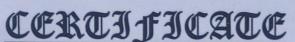
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This certificate is awarded to Mr./Ms. Namerata Rathod For Securing ... Second prize in the celebration of 75thyear of Independence "Regional Level Project Competition" on 2ndMay 2022 sponsored by Directorate of Technical Education, Regional Office, Punein association with SavitribaiPhulePune University.

Coordinator

Dr. V. K. Bairagi

Principal Dr. P. B. Mane

Joint Director, DTE Pune Dr. D.V Jadhav



