

Institute of Pharmaceutical Education & Research, Wardha

**Annual Self-Assessment for the Performance Based Appraisal
System (PBAS)**

Academic Session 2023-24

(To be completed and submitted at the end of each academic year)

PART A: GENERAL INFORMATION

1.	Name (in Block Letters) :	Dr. NILESH ASHOKRAO KARANDE
2.	Father's Name / Mother's Name/ Husband's Name	ASHOK MAHADEORAO KARANDE
3.	Department	QUALITY ASSURANCE
4.	Current Designation & Pay Scale	ASSOCIATE PROFESSOR 131400
5.	Date of Joining	01/08/2009
6.	Address for correspondence (with Pincode)	NILESH A. KARANDE, KASHINAGAR, SAWANGI(MEGHE), WARDHA 442001
7.	Permanent Address (with Pincode)	NILESH A. KARANDE, KASHINAGAR, SAWANGI(MEGHE), WARDHA 442001
	Telephone No.	09403367335
	Email	nileshkarande79@gmail.com
8.	Whether acquired any degrees or fresh academic qualifications during the year	NO

9. Academic Staff College Orientation / Refresher Course attended during the year :

Name of the Course / Summer School	Place	Duration	Sponsoring Agency
Faculty Development Program on "Cutting Edge Technologies in Pharmaceutical Sciences"	IIMT College of Pharmacy, Greater Noida	1 Week	IIMT College of Pharmacy, Greater Noida
National Level one week Programme on Research Methodologies	Kamla Neharu Mahavidyalaya	1 Week	Kamla Neharu Mahavidyalaya



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	Nagpur		Nagpur
Faculty Development Program on "Recent Advancement in Drug Design and Development"	KVSR Siddhartha College of Pharmaceutical Sciences, Vijatwada	1 Week	Siddhartha Academy of General and Technical Education

PART B: ACADEMIC PERFORMANCE INDICATORS

(Please see detailed instructions of this PBAS proforma before filling out this section)

CATEGORY: I. TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

i) Lecturers, Seminars, Tutorials, Practicals, Contact Hours (give semester-wise details, where necessary)

S.No.	Subject	Year	Mode of teaching*	No. of classes allotted	No. of Classes conducted	% of Classes / Practicals taken per documented record
1	Pharmaceutical Inorganic Chemistry	B. Pharm-I(Sem-I)	L	45	45	100
2	Pharmaceutical Organic Chemistry	B. Pharm-I(Sem-II)	L	45	45	100
3	Quality System Management	M. Pharm-I(Sem-I)	L	60	60	100
4	Audits & Regulatory Compliance	M. Pharm-I(Sem-II)	L	60	60	100

*Lecture(L), Seminar (S), Tutorial (T), Practical (P), Contact Hours I

		API Score
(a)	Classes Taken (max 50 for 100% performance & proportionate score up to 80% performance, below which no score may be given)	50
(b)	Teaching load in excess of UGC norm (Max score : 10)	07

ii) Reading / Instructional material consulted and additional knowledge resources provided to students

S. No.	Subject	Consulted	Prescribed	Additional Resource provided
1.	Pharmaceutical Inorganic Chemistry	BOOKS, INTERNET	BOOKS	NOTES AND PPT
2.	Pharmaceutical	BOOKS,	BOOKS	NOTES AND PPT



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	Organic Chemistry	INTERNET		
3.	Quality System Management	BOOKS, INTERNET	BOOKS	NOTES AND PPT
4.	Audits & Regulatory Compliance	BOOKS, INTERNET	BOOKS	NOTES AND PPT
API score based on preparation and imparting of knowledge / instruction as per curriculum & syllabus enrichment by providing additional resources to Students (Max. score : 20)				API Score
				16

iii) Use of participatory and innovative Teaching-Learning Methodologies, Updating of Subject Content, Course Improvement etc.

S. No.	Short Description	API Score
1	USE OF ANIMATED PRESENTATION, SEMINAR, PRACTICAL APPROACH REGARDING SUBJECT	
Total Score (Max Score : 20)		16

iv) Examination Duties Assigned and Performed

S.No.	Type of Examination Duties	Duties Assigned	Extent to which carried out (%)	API Score
1				
2	ANNUAL PRACTICAL- B.PHARM-I(Sem-I)	INTERNAL and EXTERNAL EXAMINER	100%	
3	ANNUAL PRACTICAL – B.PHARM-I (Sem-II)	INTERNAL and EXTERNAL	100%	
4	ANNUAL THEORY- B.PHARM-I(SEM-I)	Paper Settings and Moderation of Paper of RTM Nagpur University	100%	
5	ANNUAL THEORY- B.PHARM-I(SEM-II)	Paper Settings and Moderation of Paper of RTM Nagpur University	100%	
6	ANNUAL THEORY- M.PHARM-I(SEM-I)	Paper Settings and Moderation of Paper of RTM Nagpur University	100%	
7	ANNUAL THEORY- M.PHARM-I(SEM-II)	Paper Settings and Moderation of Paper of RTM Nagpur University	100%	
Total Score (Max Score : 25)				25



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**CATEGORY: II. CO-CURRICULAR, EXTENSION, PROFESSIONAL DEVELOPMENT
RELATED ACTIVITIES**

Please mention your contribution to any of the following:

S.No.	Type of Activity	Average Hrs / week	API Score
	(i) Extension, Co-curricular & field based Activities		
1	Yoga Day		
2	Meri Maati Mera Desh Program		
3	Har Ghar Tiranga Campaign		
4	Swami Vivekananda Youth Movement Program		
5	Tree Plantation		
6	Eco-friendly Ganesh Visarjan		
7	Aids Awareness Rally		
8	NB EMS CPR Awareness Programme		
9	Blood Donation Camp		
10	Awareness Program on Vit. D & Vit. B12		
	Total (Max:20)		
	(ii) Contribution to Corporate Life and Management of the Institution	Yearly / Semester wise responsibilities	API Score
1	EPF monthly online payment of employees on EPF portal	Yearly	
2	Workload and Time table distribution	Yearly	
3	NAAC AQAR documentation	Yearly	
4	Academic audit of University and PCI documentation	Yearly	
	Total (Max:15)		
	(iii) Professional Development Activities		
1	N.S.S. Coordinator	Yearly	
2	Sports Coordinator	Yearly	
3	Admission committee in charge	Yearly	
	Total (Max:15)		
	Total Score (i+ ii + iii) (Max : 25)		20



CATEGORY: III. RESERCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS

A) Published Papers in journals

S. No	Title with page nos.	Journal	ISSN/ISBN No	Whether peer reviewed. Impact Factor, if any	No. of co-authors	Whether you are the main author	API Score
1.	Synthesis, Anti-Inflammatory Activity and Molecular Docking Studies of Novel 1,2,4-Triazol[3,4-B][1,3,4]Thiadiazine Derivatives	Pharmaceutical Chemistry Journal, Vol. 57, No. 2, May, 2023 (Russian Original Vol. 57, No. 2, February, 2023)	0091-150X / 1573-9031	1.063	7	Yes	16.1
2.	Synthesis and Evaluation of Antiphlogistic Activity of Some New 4-Fluorophenyltriazolothiadiazines	Indian Journal of Heterocyclic Chemistry Vol. 34 - Number 01 (Jan-Mar 2024) 1-6	ISSN No: 0971-1627	0.3	7	Yes	12.6

B) (i) Articles / Chapters published in Books

S. No.	Title with page nos.	Book Title, editor & Publisher	ISSN/ISBN No	Whether peer reviewed.	No. of co-authors	Whether you are the main author	API Score
1	Advances in Food and Nutrition Research	Nutrigenomics and Nutraceuticals	ISBN hard: 978-1-77491-438-0. ISBN ebook: 9781003428268	Yes	4	No	05

(ii) Full Papers in conference Proceedings

S. No.	Title with page nos.	Details of Conference	ISSN/ISBN No	No. of co-	Whether you are	API Score
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	Publication	authors	the main author
1	-	-	-

(iii) Books Published as single author or as editor

S. No.	Title with page nos.	Type of Book & Authorship	Publisher & ISSN/ ISBN No	Whether peer reviewed. Impact Factor, if any	No. of co-authors	Whether you are the main author	API Score
	-	-	-	-	-	-	-

III C). Ongoing and Completed Research Projects and Consultancies

(C) (i & ii) Ongoing Projects / Consultancies

S. No.	Title	Agency	Period	Grant / Amount Mobilized (Rs. lakh)	API Score
1	Design, synthesis and biological evaluation of Triazole-Indole derivative for the discovery of new cytotoxic agents.	Research Promotion Scheme (RPS)	3 Year	1873772/-	2.5

(C) (iii & iv) Completed Projects / Consultancies

S. No.	Title	Agency	Period	Grant / Amount Mobilized (Rs. lakh)	Whether policy document / patent as outcome	API Score

(D) Research Guidance

S. No.	Number Enrolled	Thesis Submitted	Degree awarded	API Score
M. Pharm.	4	4	4	08
Ph. D.	1	-	-	-

(E) (i) Training Courses, Teaching-Learning-Evaluation Technology Programmes, Faculty Development Programmes (Not less than one-week duration)

S.No.	Programme	Duration	Organised by	API Score
1	Faculty Development Program on "Cutting Edge Technologies in Pharmaceutical Sciences"	One Week	IIMT College of Pharmacy, Greater Noida	
2	National Level one week	One Week	Kamla Neharu	



**Vidarbha Youth Welfare Society's INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH
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	Programme on Research Methodologies		Mahavidyalaya Nagpur	
3	Faculty Development Program on "Recent Advancement in Drug Design and Development"	One Week	KVSR Siddhartha College of Pharmaceutical Sciences, Vijatwada	

(E) (ii) Papers presented in Conferences, Seminars, Workshops, Symposia

S. No.	Title of Paper presented	Title of Conference / Seminar	Organised by	Whether international / national / state / regional / college or University level	API Score
I	-	-	-	-	-

(E) (iii) Invited Lectures and Chairmanships at national or international conference / seminar etc

S. No.	Title of Paper presented	Title of Conference / Seminar	Organised by	Whether international / national	API Score
	-	-	-	-	-

IV SUMMARY OF API SCORES

	Criteria	Last Academic Year	Total – API Score for Assessment Period	Annual Av. API Score for Assessment Period
I	Teaching, Learning and Evaluation related activities		14	
II	Co-curricular, extension, Professional development etc		20	
	Total I + II			
III	Research and Academic Contribution		51.2	



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CATEGORY: IV. LEAVE RECORD

Total number of leave enjoyed during year 2023-24.

1.	Casual Leave	:	08
2.	Medical Leave	:	-
3.	Earned Leave	:	-
4.	Duty Leave	:	06
5.	Extra Ordinary Leave	:	-
6.	Absent	:	-

PART C: OTHER RELEVANT INFORMATION


Please give details of any other credential, significant contributions, awards received etc. not mentioned earlier.

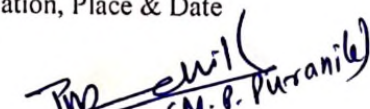
S. No.	Details (Mention Year, value etc. where relevant)
1	Patent Serial No: 174135, Design Patent [Design No: 418155-001] "AI Based Plant Extract Analysing Device to Identify Disease" registered dated on 27/05/2024
2	Patent Serial No: 141468, Design Patent [Design No: 385967-001] "Particle Size Analyzer" registered dated on 10/05/2023

LIST OF ENCLOSURES: (Please attach, copies of certificates, sanction, orders, papers etc. wherever necessary)

1.	Research Paper	6	Patent
2.	Book Chapter		
3.	RPS project letter		
4.	Certificate of FDP		
5.	Poster Presentation Proceeding (IPC)		

I certify that the information provided is correct as per records available with the university and / or documents enclosed along with the duly filled PBAS proforma.


Signature of the faculty with
Designation, Place & Date


Signature of HOD

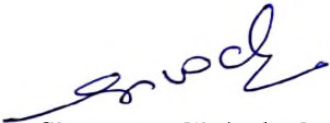


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N.B : The Annual Self-Assessment proforma duly filled along with all enclosures, submitted for
CAS promotions will be verified by the university / college and information filled with
the IQAC


Total API Score for : 185.2
Assessment period

Date : 18-6-2024


Signature of Principal
PRINCIPAL
Institute of Pharmaceutical Education & Research
Borgaon (Meghe), Wardha

* To be filled by the Principal




(Dr. R. O. Ganjivale)
Principal
PRINCIPAL
Institute of Pharmaceutical Education & Research
Borgaon (Meghe), Wardha

SYNTHESIS, ANTI-INFLAMMATORY ACTIVITY AND MOLECULAR DOCKING STUDIES OF NEW 1,2,4-TRIAZOLO[3,4-b][1,3,4]THIADIAZINE DERIVATIVES

N. A. Karande,^{1,*} L. G. Rathi,¹ K. S. Kamble,¹ A. Nagar,² S. Gholve,²
A. R. Bendale,³ K. Danao,⁴ and P. D. Bangre⁵

Original article submitted March 24, 2022.

The reaction of 4-chlorobenzohydrazide **1** with carbon disulphide in the presence of methanolic potassium hydroxide afforded 4-chloro potassium dithiocarbonylhydrazide **2**. The intermediate **2** reacts with a solution of hydrazine hydrate in water gave 4-amino-5-(4-chlorophenyl)-4H-[1,2,4]-triazolo-3-thiol **3**. Condensation of **3** with various substituted phenacyl bromide in alcohol afforded series of 1,2,4-triazolo-[3,4-b][1,3,4]thiadiazine analogs **4a–4l** bearing 4-chlorophenyl moiety. The structures of newly synthesized compounds were characterized by IR, ¹H NMR, ¹³C NMR and mass spectroscopy techniques. All synthesized compounds **4a–4l** were screened for anti-inflammatory activity by carrageenan induced paw edema using albino Wistar rats. In addition, molecular docking study was performed for **4a–4l** using prostaglandin D2 synthase (PGDS) enzyme receptor binding pocket. Compounds **4l** and **4b** exhibited significant anti-inflammatory activity ($P < 0.01$), whereas compounds **4b**, **4f**, and **4k** unveiled good anti-inflammatory activity ($P < 0.05$) when compared with standard drug indomethacin.

Keywords: thiazole; triazole; thiadiazine; anti-inflammatory activity.

1. INTRODUCTION

The widely disseminated naturally occurring and synthetic heterocyclic compounds are vital for life. The genetic material, vitamins and co-enzymes, the photosynthesizing pigments, oxygen transporting pigments (sugars and hormones), antibiotics and alkaloids etc. are an enormous number of clinical-pharmacologically active heterocyclic compounds which are regularly used in routine life [1, 2]. A recent literature investigation divulges that voluminous of the halogen comprising heterocycles have attracted concern due to their ability to act as polar hydrogen or hydroxyl imitators

[3]. Exchange of hydrogen with electronegative atoms like halogen has been an approach in scheming molecules in lieu of anthropology [4]. As a result, it was anticipated that moieties containing both 1,2,4-triazolo and [1,3,4]thiadiazine with substituted halogen phenyl moiety would be responsible for superior biological activities [5, 6].

Encouraged by these surveys we continued research for the synthesis of novel heterocyclic compounds revealing biological activity, it was assumed that synthesizing molecule with similar properties, specifically a 1,2,4-triazole moiety joined to a 1,3,4-thiadiazine ring, would be intriguing. Prostaglandins (PG) are produced from arachidonic acid (AA) containing various physiological functions within different systems [7]. The function of different PG is determined by the cellular environment and receptor expression profile. Cyclooxygenases (COX-1 and COX-2) are responsible to produce PGH₂ (subtype) and enzyme PGD₂ synthase (PGDS) that converts PGH₂ to PGD₂ by catalysing isomerization [8]. The release of PGD₂ promotes sleep and resists the accumulation of platelet to the attraction of inflammatory cells and bronchoconstriction [9]. The enzyme PGDS has two isoforms: hematopoietic form (H-PGDS) and lipocalin form (L-PGDS). H-PGDS is a homodimer with two active sites, which is found in WBCs, and L-PGDS is found

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⁴ Department of Pharmaceutical Chemistry, Dadasaheb Balpande College of Pharmacy, Nagpur, Maharashtra, 440037 India.

⁵ Mahatma Gandhi Ayurved College Hospital and Research centre, Salod (Hirapur), Wardha, Maharashtra, 442001 India.

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Synthesis and Evaluation of Antiphlogistic Activity of Some New 4-Fluorophenyltriazolothiadiazines

P. D. Bangre¹, N. A. Karande^{2*}, L. G. Rathi³, D. J. Singhavi⁴, R. O. Ganjiwale⁵,
A. Nagar³, A. R. Bendale³, and K. R. Danao⁵

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³Department of Pharmaceutical Chemistry, R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur, Dhule, Maharashtra, India

⁴Department of Pharmaceutical Chemistry, Mahavir Institute of Pharmacy, Nashik, Maharashtra, India

⁵Department of Pharmaceutical Chemistry, Dadasaheb Balpande College of Pharmacy, Nagpur, Maharashtra, India

ABSTRACT The reaction between 4-fluorobenzoic acid hydrazide (1) and carbon disulfide in the existence of alcoholic potassium hydroxide yielded *N*'-(4-fluoro-benzoyl)-hydrazinecarbodithioic acid (2). Subsequently, product 2 on reaction with an aqueous solution of hydrazine hydrate led to the formation of compound 3. The condensation of compound 3 with various substituted ω -bromoacetophenones in ethanol furnished the targeted triazolothiadiazines, bearing a 4-fluorophenyl moiety (4a-l). Subsequently, a comprehensive evaluation of the antiphlogistic potential of the synthesized molecules 4a-l was conducted. This assessment was completed using albino Wistar rats that had their paws swollen with carrageenan. Compounds 4l and 4b demonstrated significant ($P < 0.01$) antiphlogistic activity. Furthermore; compounds 4d, 4f, and 4k exhibited noteworthy antiphlogistic effects ($P < 0.05$), comparable to the standard drug indomethacin. This study sheds light on the antiphlogistic properties of these compounds and holds promise for further research in this area.

KEYWORDS Antiphlogistic, Anti-inflammatory, 4-Fluorophenyl, Triazole, Thiadiazine.

How to cite this article: Bangre, P.D., Karande, N.A., Rathi, L.G., Singhavi, D.J., Ganjiwale, R.O., Nagar, A., Bendale, A.R., and Danao, K.R. Synthesis and Evaluation of Antiphlogistic Activity of Some New 4-Fluorophenyltriazolothiadiazines. *Indian J. Heterocycl. Chem.*, 2024, 34, 1-6. (<https://doi.org/10.59467/IJHC.2024.34.1>)

INTRODUCTION

Over the past few decades, significant attention has been directed toward 1,2,4-triazoles' chemistry and their fused heterocyclic derivatives due to their synthetic versatility and noteworthy biological significance.^[1] Five-membered N-heterocyclic molecule chemistry, particularly tetrazoles, triazoles, and its derivatives that are substituted, has been of continuous interest.^[2] These five-membered nitrogen heterocycles hold importance as structural components in various contexts, serving as bioactive substances, anti-corrosion agents, insecticides, dyes, acid-base markers, and other industrial chemicals.^[3]

Bladin used the name "triazole" in 1885 to refer to the derivatives of the $C_2N_3H_3$ carbon-nitrogen ring structure.^[4] 1,2,3-triazoles and 1,2,4-triazoles are the two isomeric forms of triazoles. The former is used for applications such as antibacterial, antifungal, antioxidant, anti-malarial, and anti-leishmanial drugs.^[5,6] However, the 1,2,4-triazole isomer is even more prevalent in drug structures. The chemical industry has shown keen interest in developing both simple and fused triazole systems.^[7]

Due to their wide range of biological functions, nitrogen-containing heterocyclic organic molecules have attracted

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**The statements, data, opinions and views expressed by the authors in this manuscript are of their own. Clarifications may be taken by writing to the authors directly. The chief editor, editors, reviewers or publishers of the Journal do not hold any responsibility for the authenticity of data and results drawn by authors.

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(Reaccredited with A+ Grade with CGPA 3.53)



Organizes
National Level One-week Faculty Development Programme on
RESEARCH METHODOLOGY

Certificate of Participation

This is to certify that Dr. Nilesh Ashokrao Karande
of Institute of Pharmaceutical Education & Research, Borgaon(Meghe), Wardha has participated in
National Level One-week Faculty Development Programme on Research Methodology
from 24th June to 29th June, 2023 organized by Kamla Nehru Mahavidyalaya, Nagpur.

Certificate no: ZMEJ18-CE000409

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MLC & Secretary
Amar Sewa Mandal, Nagpur

Dr. Smeeta A. Wanjarri
Treasurer
Amar Sewa Mandal

Dr. D. S. Badwaik
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from..... *Institute of Pharmaceutical Education and Research, Borgaon*
(Meghe), Wardha..... has attended

Five Days Online Faculty Development Program On

“Cutting Edge Technologies in Pharmaceutical Sciences”,

IIMT College of Pharmacy, Greater Noida from 27th of June to 1st of July of the year 2023.

A. Balaji
Dr. Anna Balaji
Director & Convenor

Pushendra Jain
Dr. Pushendra Jain
Dean & Co- Convenor

Priya Chaturvedi
Mrs. Priya Chaturvedi
Co-Convenor



R. O. Ganjivale
(Dr. R. O. Ganjivale)
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(Sponsored by: Siddhartha Academy of General and Technical Education)

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Certificate of Participation

This is to certify that **DR. NILESH ASHOKRAO KARANDE** of

INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

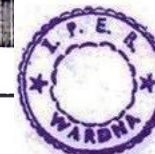
..... has participated in Faculty Development Program on "Recent Advancements in Drug Design and Development" organized by Department of Pharmaceutical Chemistry, KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada during 07th August, 2023 to 11th August, 2023.

B. Anupama

Dr. B. Anupama
Organizing Secretary

A. Suneetha

Prof. A. Suneetha
Principal



R. O. Ganjivale
(Dr. R. O. Ganjivale)
Principal
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AAP Advances in Nutraceuticals


Nutrigenomics and Nutraceuticals



Raj K. Keservani | Eknath D. Ahire | Shubham J. Khairnar
Sanjay J. Kshirsagar | Rajesh K. Kesharwani
Editors

 **CRC Press**
Taylor & Francis Group
APPLE ACADEMIC PRESS




(Dr. R. O. Ganjivale)
Principal
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CHAPTER 4

Apple Academic Press

ADVANCES IN FOOD AND
NUTRITION RESEARCH

KISHOR DANAQ,¹ VIJAYSHRI ROKDE,² AKHIL NAGAR,¹
ATUL R. BENDALE,³ and NILESH KARANDE⁴

¹*Dadasaheb Balpande College of Pharmacy, Nagpur, Maharashtra, India*

²*R. C. Patel Institute of Pharmaceutical Education and Research,
Shirpur, Maharashtra*

³*Sandip Institute of Pharmaceutical Sciences, Nashik, Maharashtra, India*

⁴*Institute of Pharmaceutical Education and Research, Wardha,
Maharashtra, India*

ABSTRACT

Food and nutritional research are one among the most popular, efficient, and cost-effective methods for decreasing the problem of noncommunicable diseases (NCD) and their risk factors, such as nutritional deficits. The dietary research is crucial to learning more about the reasons of obesity and its comorbidities, and so it has the potential to have a significant impact on world health and the economy. Antioxidant (Singh et al., 2017a) characteristics in many functional foods, often recognized as common foods with health advantages beyond their nutritional value, can moderate the degenerative processes of aging. Most countries suffer from malnutrition and noncommunicable diseases, but there are no globally accepted standards for determining dietary superiority in populations and subgroups. Different nutritional assessment methods are used, such as domestic food production (Level 1), total food availability (Level 2), and household measurements

Nutrigenomics and Nutraceuticals, Raj K. Keservani, Eknath D. Ahire, Shubham J. Khairnar,
Sanjay J. Kshirsagar, & Rajesh K. Keskarwani (Eds.)
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Author Copy



(Dr. R. O. Ganjivale)
Principal
PRINCIPAL
Institute of Pharmaceutical Education & Research
Borgaon (Meghe), Wardha



ORIGINAL
क्रम सं/ Serial No. : 174135



पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 418155-001
तारीख / Date : 27/05/2024
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *AI BASED PLANT EXTRACT ANALYSING DEVICE TO IDENTIFY DISEASE* से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Dr. Priyanka Dinesh Bangre 2. Dr. Nilesh Ashok Karande 3.Dr. Atul Rupchand Bendale 4.Mrs. Vaishali Dattatray Naphade 5.Ms. Namrata Suresh Revar 6.Mr. Amit Kakad 7.Dr. Anil G. Jadhav 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 15-03 in respect of the application of such design to *AI BASED PLANT EXTRACT ANALYSING DEVICE TO IDENTIFY DISEASE* in the name of 1.Dr. Priyanka Dinesh Bangre 2. Dr. Nilesh Ashok Karande 3.Dr. Atul Rupchand Bendale 4.Mrs. Vaishali Dattatray Naphade 5.Ms. Namrata Suresh Revar 6.Mr. Amit Kakad 7.Dr. Anil G. Jadhav.

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

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

जारी करने की तिथि :
Date of Issue : 04/07/2024



उत्कृष्टता की संज्ञिका

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

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार 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 सकता है। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.



(Dr. R. O. Ganjiwale)
Principal
PRINCIPAL
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Borgaon (Meghe), Wardha



ORIGINAL
क्रम सं/ Serial No. : 141468

पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 385967-001
तारीख / Date : 10/05/2023
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *PARTICLE SIZE ANALYZER* से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Dr. Atul Rupchand Bendale 2. Dr. Laxmikant Bansilal Borse 3.Dr. Vasim Tasilim Khan Pathan 4.Dr. Nilesh A. Karande 5.Dr. Suraj M. Sarode 6.Dr. Aarti S. Zanwar 7.Mr. Pritam B. Chaudhari. 8.Dr. Anil G. Jadhav 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 10-05 in respect of the application of such design to *PARTICLE SIZE ANALYZER* in the name of 1.Dr. Atul Rupchand Bendale 2. Dr. Laxmikant Bansilal Borse 3.Dr. Vasim Tasilim Khan Pathan 4.Dr. Nilesh A. Karande 5.Dr. Suraj M. Sarode 6.Dr. Aarti S. Zanwar 7.Mr. Pritam B. Chaudhari. 8.Dr. Anil G. Jadhav.

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.

जारी करने की तिथि : 01/08/2023
Date of Issue :



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

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार 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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बोरगांव (मेघे), वर्धा

परिशिष्ट - ब (भाग - ३)

(स्वयंगूल्यनिर्धारण अहवाल)

वैशिष्ट्यपूर्ण कामे

कालावधी

१. शासकीय अधिकाऱ्याचे / कर्मचाऱ्याचे नांव : जेश जयशमती सोनटके

२. पद : प्रयोगशाळा वरतार

३. या वर्षी / कालावधीत नेमून दिलेल्या कामाची उद्दिष्टे (असल्यास) : सत्र २०२३-२४ मध्ये नेमून दिलेली कामे पूर्ण करणे.

४. वर्षभरात केलेली उल्लेखनीय अशी महत्वाची व वैशिष्टपूर्ण कामे (उद्दिष्टांच्या संदर्भासहीत) : सत्र २०२३-२४ मध्ये नेमून दिलेली कामे पूर्ण करणे.

जेश जयशमती सोनटके

अधिकाऱ्याची / कर्मचाऱ्याची सही, नाव व पद

(प्र. जे. सोनटके)

..... प्रयोगशाळा वरतार

१. शासकीय अधिकारी / कर्मचारी यांच्यावरील :
मताशी सहमत आहात का?

२. नसल्यास त्याची कारणे

प्रतिवेदन अधिकाऱ्यांची सही, नांव व पदनाम



गट क्र. "अ" गट क्र. "क" शासकीय अधिकारी / कर्मचारी यांच्यासाठी गोपनीय
अहवालाचे स्वयंमूल्यनिर्धारण अहवाल प्रपत्र

स्वयंमूल्यनिर्धारण अहवाल लिहिणाऱ्या अधिकाऱ्यांना / कर्मचाऱ्यांना सूचना

१. वर उद्दिष्टे ठरवून देण्यात आली असतील तर ती उद्दिष्टे सर्वसाधारण सूचनांनुसार अथवा विशेष सूचनानुसार ठरवून देण्यात आली होती की आपापसातील चर्चेनुसार ठरविण्यात आली होती.
२. सर्व दैनंदिन कामांची यादी येथे देऊ नये. फक्त ठळक वैशिष्ट्यपूर्ण व उल्लेखनीय कामगिरीचा उल्लेख करावा. (उद्दिष्टे ठरवून देण्यात आली असल्यास उद्दिष्टांचा संदर्भ देऊन) संदिग्ध विधाने टाळावीत व नेमके विधान करावी.
३. तुमच्या कामगिरीबाबतचे तुमचे अभिप्राय, दिलेल्या जागेएवढेच मर्यादित ठेवावित. काहीही सहपत्रे त्यास जोडू नयेत ती गोपनीय अहवालाच्या बस्तीत ठेवली जाणार नाहीत व कर्मचाऱ्यास परत करण्यात येतील.
४. "मी" माझ्या वरिष्ठांचे समाधान / पूर्ण समाधान होईपर्यंत काम केले "किंवा" वरिष्ठांनी माझे काम वाखावले अशी किंवा अशासारखी विधाने करू नयेत, अशी विधाने केल्यास ती दुर्लक्षित करण्यात येतील.
५. स्वयंमूल्य निर्धारण अहवाल अर्ध्या पानातच लिहावा.
६. स्वयंमूल्य निर्धारण अहवाल अधिकारी / कर्मचारी यांनी त्यांना प्राप्त झाल्यापासून १५ दिवसांच्या आत प्रतिवेदन अधिकाऱ्याकडे द्यावा.

प्रतिवेदन अधिकाऱ्यांना सूचना

१. गोपनीय अहवाल लिहितांना कर्मचाऱ्यांचा भाग - ३ मध्ये लिहिलेल्या स्वयंमूल्यनिर्धारण अहवाल विचारात घ्यावा व तो घेतला गेला असल्याचा विशिष्ट उल्लेख गोपनीय अहवालास करण्यात यावा.
२. वरील सूचना क्रमांक ६ अनुसार स्वयंमूल्यनिर्धारण अहवाल प्राप्त न झाल्यास प्रतिवेदन अधिकारी स्वतः गोपनीय अहवाल लिहू शकेल.



बोरगांव (मेघे), वर्धा

परिशिष्ट - ब (भाग - ४)

गट क्र. "अ" ते गट क्र. "क" च्या अधिकाऱ्यांची / कर्मचाऱ्यांची सर्वसाधारण योग्यता व चरित्र यासंबंधी अभिप्राय
(Estimate of General Ability and Character of Grade 'A' to Grade 'C' Officers / Employees)

०१ नांव	:	श्री/श्रीमती/कुमारी	<u>ज्येष्ठ जयशंकर साठवडे</u>						
Name	:	Shri/Smt./Kum.							
०२ प्रतिवेदनाचा कालावधी	:	पासून	दिवस	: महिना	: वर्ष	पर्यंत	दिवस	: महिना	: वर्ष
Period of Report	:	from	Date	: Month	: Year	To	Date	: Month	: Year
०३ धारण केलेले पद/पदे	:	<u>प्रयोगशाळा तंत्रज्ञ</u>							
Post / Posts held	:								
०४ उद्योगप्रियता व कार्यतत्परता	:	<input checked="" type="checkbox"/> अत्युत्कृष्ट	<input type="checkbox"/> उत्कृष्ट	<input type="checkbox"/> चांगले	<input type="checkbox"/> साधारण	<input type="checkbox"/> साधारणपेक्षा कमी			
Industry & Application	:	Outstanding	Very good	Good	Average	Below Average			
०५ हाताखालील कर्मचाऱ्यांकडून काम करून घेण्याची क्षमता	:	अत्युत्कृष्ट	<input checked="" type="checkbox"/> उत्कृष्ट	<input type="checkbox"/> चांगले	<input type="checkbox"/> साधारण	<input type="checkbox"/> साधारणपेक्षा कमी			
Capacity to get work done by Subordinate	:	Outstanding	Very good	Good	Average	Below Average			
०६ सहकारी व जनता यांच्याशी असलेले संबंध	:	सकार्यचे	<input checked="" type="checkbox"/> सौजन्याचे	<input type="checkbox"/> मदतीचे	<input type="checkbox"/> उदासीन	<input type="checkbox"/> अमैत्रीपूर्ण			
Relation with colleagues & the public	:	Cooperative	Courteous	Helpful	Indifferent	Unfriendly			
०७ सर्वसाधारण बुद्धीमत्ता	:	अतिशय बुद्धीमान	<input checked="" type="checkbox"/> बुद्धीमान	<input type="checkbox"/> निश्चित चांगली	<input type="checkbox"/> चांगली	<input type="checkbox"/> साधारण			
General Intelligence	:	Very Brilliant	Brilliant	Intelligent	Average	Dull.			
०८ निर्णयशक्ती उपक्रमशीलता व घडाडीयासह कार्यक्षमता	:	अत्युत्कृष्ट	<input checked="" type="checkbox"/> उत्कृष्ट	<input type="checkbox"/> निश्चित चांगली	<input type="checkbox"/> चांगली	<input type="checkbox"/> साधारण	<input type="checkbox"/> प्रशासनीक कार्यक्षमता कमी		
Administrative ability including judgement/ initiative / drive	:	Outstanding	Very good	Positively good	Good	Average	Below Average		
तांत्रिक कार्यक्षमता (संबंधित असेल तेथे)	:	<u>Positively good.</u>							
Technical professional ability (where relevant)	:								
१० विशेष कल	:	<u>Good.</u>							
Special attitude	:								
११ सचोटी व चरित्र	:	<u>Good.</u>							
Integrity Character	:								
१२ प्रदान करण्यात आलेल्या शक्तीचा वापर करतात काय?	:	होय	अंशतः	नाही					
whether power delagated are fully utilised	:	Yes	Partly	No					
१३ पदोन्नतीसाठी पात्रता	:	अयोग्य	ज्येष्ठतेनुसार योग्य	<input checked="" type="checkbox"/> त्वरीत बढतीसाठी योग्य					
Fitness for Promotion	:	Unfit	Fit in normal course	Fit for accelarated Promotion.					
(According to seniority)	:								
१४ प्रशिक्षणासाठी आवश्यक क्षेत्र	:	<u>येथे आवश्यक त्या क्षेत्राचा उल्लेख करावा. <u>Implementation of teaching on industry</u></u>							



Status of Health	Borgaon (Meghe), Wardha 442001 (M. S.)	Very Good.	
१६ क्षेत्रीय स्तरावर काम करण्याची योग्यता	आहे	नाही	संबंधित नाही
Fitness for field work	Yes	No	Not Relevant
१७ संगणकावर काम करण्याची आवड	आहे	नाही	दिसून आली नाही
Willingness to work on Computer	Yes	No	Not seen
१८ सर्वसाधारण मूल्यमापन	:		
General Assessment	:		
१९ प्रतवारी (हाताने लिहावी)	: अ+ अत्युत्कृष्ट, अ उत्कृष्ट, ब+ निश्चित चांगली, ब चांगली ब- साधारण, क साधारणपेक्षा कमी		
Grading (Write in Handwriting)	A+ Outstanding, A very Good, B+ Positively Good, B Good B- Average, C Below average.		

ठिकाण :

Place : Wardha

दिनांक :

Date : 31.03.24

प्रतिवेदन अधिकाऱ्याची सही, नाव व पदनाम

Signature, Name & Designation of the Reporting Officer

PRINCIPAL

Institute of Pharmaceutical Education & Research
Borgaon (Meghe), Wardha

परिशिष्ट - ब (भाग - ५)

पुनर्विलोकन अधिकाऱ्याचे अभिप्राय

Remarks of the Reviewing Officer

०१ पुनर्विलोकन अधिकाऱ्याच्या हाताखालील सेवावधी	:	होय
Length of service Under Reviewing Officer	:	होय
०२ आपण प्रतिवेदन अधिकाऱ्याशी सहमत आहात (सहमत नसल्यास कुठल्या अभिप्रायाशी सहमत नाही हे विनिर्दिष्टपणे नमूद करावे) की त्यांच्या मूल्यमापनामध्ये काही फेरफार करण्याची किंवा भर घालण्याची आपली इच्छा आहे?	:	होय
Do you agree with the Reporting Officer (if not state specifically the remarks with which you do not agree) or do you wish to Modify or add to his assessment?	:	होय
०३ प्रतवारी (हाताने लिहावी)	:	अ+ अत्युत्कृष्ट, अ उत्कृष्ट, ब+ निश्चित चांगली, ब चांगली ब- साधारण, क साधारणपेक्षा कमी
Grading (Write in Handwriting)	:	A+ Outstanding, A very Good, B+ Positively Good, B Good, B- Average, C Below average.

ठिकाण : Wardha

Place :

दिनांक : 31.03.24

Date :

प्रतिवेदन अधिकाऱ्याची सही, नाव व पदनाम

Signature, Name & D

PRINCIPAL
Institute of Pharmaceutical
Borgaon (Meghe)



(Dr. R. O. Ganjiwale)

Principal

PRINCIPAL

Institute of Pharmaceutical Education & Research
Borgaon (Meghe), Wardha