

# Rayat Shikshan Sanstha's, Abasaheb Marathe Arts and New Commerce, Science College, Rajapur, Dist-Ratnagiri

#### Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year 2020-21

Sl. No	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Nature of the activity
1	Faculty Exchange	Dr. Saurabh A. Shete, Assistant Professor, K. J. Somaiya college of science and commerce, Vidyavihar, Mumbai	Abasaheb Marathe Arts and New Commerce, Science College, Rajapur	Guest lecture series
2	Faculty Exchange	Mr. Jaidip Wable, Assistant Professor, K. J. Somaiya college of science and commerce, Vidyavihar, Mumbai	Abasaheb Marathe Arts and New Commerce, Science College, Rajapur	Guest lecture series
3	Faculty Exchange	Dr. H. N. Akolkar, Abasaheb Marathe Arts and New Commerce, Science College, Rajapur	K. J. Somaiya college of science and commerce, Vidyavihar, Mumbai	Guest lecture series
4	Research	Dr. Dipak Raut, Department of Pharmacognosy, Amrutvahini College of Pharmacy, Sangamner,	Dr. H. N. Akolkar, Abasaheb Marathe Arts and New Commerce, Science College, Rajapur	For biological activities
5	Faculty Exchange	Dr. Sandip Ghodake, Head, Department of Political Sciences, Veer Wajekar Arts, Science and Commerce College Phunde	Abasaheb Marathe Arts and New Commerce, Science College, Rajapur	Guest lecture on the occasion of Constitution awareness day

6	Faculty	Dr. Prakash Naik,	Abasaheb	Guest lecture
	Exchange	Shri. Shiv Shahu	Marathe Arts and	
	_	Vidyalaya, Sarud	New Commerce,	
			Science College,	
			Rajapur	
7	Research,	Gokhale Education	Abasaheb	Research, Faculty and
	Faculty and	Society's HPT Arts	Marathe Arts and	Student exchange
	Student	and RYK Science	New Commerce,	
	exchange	College, Nashik,	Science College,	
		422005	Rajapur	
8	Research,	KVN Naik Shikshan	Abasaheb	Research, Faculty and
	Faculty and	Prasarak Sanstha's	Marathe Arts and	Student exchange
	Student	Arts, Commerce and	New Commerce,	
	exchange	Sccience college,	Science College,	
		Nashik-422002	Rajapur	
9	Research,	Maratha Vidya	Abasaheb	Research, Faculty and
	Faculty and	Prasarak Samaj's	Marathe Arts and	Student exchange
	Student	Botany Department of	New Commerce,	
	exchange	Arts, Commerce and	Science College,	
	_	Science College,	Rajapur	
		Trymbakeshwar-	V 1	
		422212		
10	Research,	Department of	Abasaheb	Research, Faculty and
	Faculty and	undergraduate	Marathe Arts and	Student exchange
	Student	programme of Sandip	New Commerce,	
	exchange	University, Nashik,	Science College,	
	_	Maharashtra	Rajapur	



# ABASAHEB MARATHE ARTS

NEW COMMERCE, SCIENCE COLLEGE, RAJA

Estd. June 1994

(Vikhare Gothane) Dist. Ratnagiri - 416702. • NAAC Reaccredited with 'B' grade

Ph.: No. (02353) 221002 Fax : (02353) 221003 E-mail : abasahebmarathecollege@gmail.com

Founder - Dr. Karmaveer Bhaurao Patil (D.III.)

Prin. Dr. Pralhad G. Pawar, M.Com., M.Phil., Ph.D.

Date: 25/03/2021

Outward No. By mail / 2020-21

To,

Dr. Saurabh A. Shete,

Assistant Professor,

K. J. Somaiya College of Science and Commerce, Vidyavihar,

Mumbai, 400077.

Subject: Invitation as a guest lecturer for Drugs and Dyes course to T.Y.B.Sc. class.

Respected sir,

We are very much pleased to invite you as a guest lecturer for Drugs and Dyes course to our T.Y.B.Sc. Chemistry class as per your convenience. Your guidance will inspire them to achieve excellence. You are requested to accept the invitation.

Topic: Chemistry of Dyestuffs

Date: 29th March to 31st March 2021

Thanking you.

College, Raisour, Dist. Ralnagiri.

Principal
A.M.A.&N.C.S.College
Rajapur,(V.Gothne)Dist.Ratnagiri.



## **ABASAHEB MARATHE ARTS &** NEW COMMERCE, SCIENCE COLLEGE, RAJAPUR

Estd. June 1994

(Vikhare Gothane) Dist. Ratnagiri - 416702. • NAAC Reaccredited with 'B' grade

Ph.: No. (02353) 221002 Fax: (02353) 221003 E-mail: abasahebmarathecollege@gmail.com

Founder - Dr. Karmaveer Bhaurao Patil (D.III.)

Prin. Dr. Pralhad G. Pawar, M.Com., M.Phil., Ph.D.

Outward No. Bymail / 2020-21

Date: 25103/2024

To,

Mr. Jaidip B. Wable,

Assistant Professor,

K. J. Somaiya College of Science and Commerce, Vidyavihar,

Mumbai, 400077.

Subject: Invitation as a guest lecturer for Drugs and Dyes course to T.Y.B.Sc. class.

Respected sir,

We are very much pleased to invite you as a guest lecturer for Drugs and Dyes course to our T.Y.B.Sc. Chemistry class. Your guidance will inspire them to achieve excellence. You are requested to accept the invitation.

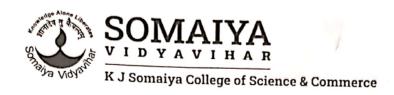
Topic: Chemistry of Drugs

Date: 1st April to 3rd April 2021

Thanking you.

Principal

A.M.A.&N.C.S.College Rajapur,(V.Gothne)Dist.Ratnagiri.





Date: 18-05-2021

To: Dr. Hemantkumar Akolkar, Associate Professor, Abasaheb Marathe Arts and New Commerce, Science college Rajapur Dist. Ratnagiri

Respected Sir,

Somaiya Vidyavihar is committed to the cause of Education, Community Service, Indian Culture and Research in Science and Technology. The K. J. Somaiya College of Science and Commerce was awarded "A" Grade by NAAC. The College was adjudged the Best College of the University of Mumbai in 2010 in the Urban category. The College has been conferred Autonomous Status from 2013-2014. The College was awarded FIST "O" level grant by DST, Star College Scheme by DBT and has recently awarded 'College with Potential for Excellence' by UGC.

It gives me a great pleasure in inviting you as a resource person for the Stereochemistry workshop organised by Department of Chemistry on 28<sup>th</sup> May, 2021 for our UG and PG students.

I am sure your expertise in the subject will enrich and enhance the competency of our students.

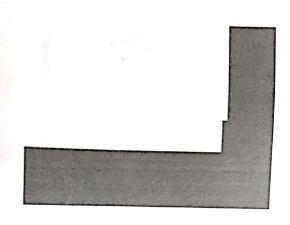
Thanking you,

Yours Sincerely

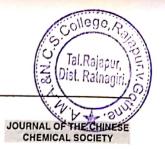
Dr. Pradnya Prabhu Principal



K J Somaiya College of Science and Commerce Autonomous (Affiliated to University of Mumbai) Vidyavihar East, Mumbai- 400 077, India. Telephone: (91-22) 21025919 | Email:principal.kjssc@somaiya.edu Web: www.somaiya.edu



#### ARTICLE



# Synthesis of 3-(trifluoromethyl)-1-(perfluorophenyl)-1*H*-pyrazol-5(4*H*)-one derivatives via Knoevenagel condensation and their biological evaluation

Sujata G. Dengale<sup>1</sup> | Hemantkumar N. Akolkar<sup>2</sup> | Bhausaheb K. Karale<sup>2</sup> | Nirmala R. Darekar<sup>2</sup> | Sadhana D. Mhaske<sup>3</sup> | Mubarak H. Shaikh<sup>2</sup> | Dipak N. Raut<sup>4</sup> | Keshav K. Deshmukh<sup>1</sup>

<sup>1</sup>P.G. and Research, Department of Chemistry, Sangamner Nagarpalika Arts, D. J. Malpani Commerce and B. N. Sarada Science College, Sangamner, India

<sup>2</sup>P.G. and Research, Department of Chemistry, Radhabai Kale Mahila Mahavidyalaya, Ahmednagar, India

<sup>3</sup>Department of Chemistry, Dadapatil Rajale College, Pathardi, India

<sup>4</sup>Amrutvahini College of Pharmacy, Sangamner, India

#### Correspondence

Hemantkumar N. Akolkar, P.G. and Research, Department of Chemistry, Radhabai Kale Mahila Mahavidyalaya, Ahmednagar, Maharashtra, India, 414001. Email: hemantakolkar@gmail.com

#### Abstract

In search of new active molecules, a small focused library of the synthesis of 3-(trifluoromethyl)-1-(perfluorophenyl)-1H-pyrazol-5(4H)-one derivatives (4a-d, 5a-f, and 6a-e) has been efficiently prepared via the Knoevenagel condensation approach. All the derivatives were synthesized by conventional and non-conventional methods like ultrasonication and microwave irradiation, respectively. Several derivatives exhibited excellent anti-inflammatory activity compared to the standard drug. Furthermore, the synthesized compounds were found to have potential antioxidant activity. In addition, to rationalize the observed biological activity data, an in silico absorption, distribution, metabolism, and excretion (ADME) prediction study also been carried out. The results of the in vitro and in silico studies suggest that the 3-(trifluoromethyl)-1-(perfluorophenyl)-1H-pyrazol-5(4H)-one derivatives (4a-d, 5a-f, and 6a-e) may possess the ideal structural requirements for the further development of novel therapeutic agents.

#### KEYWORDS

ADME prediction, anti-inflammatory, antioxidant, Knoevenagel, microwave, pyrazole, ultrasonication

#### 1 | INTRODUCTION

The pyrazole ring is a prominent heterocyclic structural compound found in several pharmaceutically active compounds. This is because of its use in pharmacological activity and ease of synthesis. Furthermore, the selective functionalization of pyrazole with diverse substituents was also found to improve their range of action in various fields. Pyrazole containing heterocycles shows various biological activity, such as antibacterial, [1] antifungal, [2] antimicrobial, [3] anti-inflammatory, [4a] antioxidant, [4b] insecticidal, [5] antiviral, [6] anti-nitric oxide

synthase,<sup>[7]</sup> glycogen receptor antagonist,<sup>[8]</sup> anticancer,<sup>[9]</sup> antienzyme,<sup>[10]</sup> immunosuppressant,<sup>[11]</sup> anti-fatty acid amide hydrolase (FAAH),<sup>[12]</sup> and liver-x-receptor [LXR] partial agonist activities.<sup>[13]</sup>

Fluorine or fluorine-based compounds are of great interest in synthetic and medicinal chemistry. The position of the fluorine atom in an organic molecule plays a vital role in agrochemicals, pharmaceuticals, and materials<sup>[14]</sup> as it changes the pharmacokinetic and pharmacodynamic properties of the molecule owing to its high membrane permeability, metabolic stability, lipophilicity, and binding affinity.<sup>[15]</sup>

## रयत शिक्षण संस्थेचे, आबासाहेब मराठे आर्टस् & न्यू कॉमर्स,सायन्स कॉलेज, राजापूर राज्यशास्र विभाग "संविधान जागृती दिवस" सन २०२०-२०२१

#### अहवाल

दि. २६ नोव्हेंबर २०२० रोजी संविधान दिनानिमित्त राज्यशास्र विभागातर्फे महाविद्यालयात संविधान जागृती दिवस आयोजित करण्यात आला. रयत शिक्षण संस्थेचे संस्थापक कर्मवीर भाऊराव पाटील तथा अण्णा यांना वंदन करून कार्यक्रमास सकाळी १०. ०० वाजता सुरुवात करण्यात आली. कार्यक्रमाचे प्रमुख वक्ते मा. डॉ. संदीप घोडके सर यांनी संविधानाविषयी महत्त्वपूर्ण माहिती दिली व उपस्थित सर्व विद्यार्थ्यांना मार्गदर्शन केले.

कार्यक्रमाचे अध्यक्ष मा. प्रा. डॉ. पी. जी. पवार सर यांनी मनोगत व्यक्त केले. प्रास्ताविक व स्वागत श्री. सुधीर न्हावेलकर यांनी केले. पाहुण्याचा परिचय श्री. योगेश कुलकर्णी यांनी करून दिला. सूत्रसंचालन श्री. योगेश कुलकर्णी यांनी केले. तर कार्यक्रमाचे आभार राज्यशास्त्र विभाग प्रमुख श्री. सुधीर न्हावेलकर यांनी मानले. सदर कार्यक्रमास महाविद्यालयातील २१ विद्यार्थिनी, २० विद्यार्थी, असे एकूण ४१ विद्यार्थी ऑनलाइन व्याख्यानास उपस्थित होते. शेवटी सर्व विद्यार्थीनी प्रस्तुत संविधान जागृती दिवस आयोजित केल्याबद्दल आभार व्यक्त केले.

राज्यशास विभाग प्रमुख

Principal

A.M.A.& N.C.S.College Rajapur, (V.Gothne) Dist. Rathagiri



रयत शिक्षण संस्थेचे,

## आबासाहेब मराठे आर्टस् ॲन्ड न्यू कॉमर्स, सायन्स कॉलेज, राजापूर

(विखारे गोठणे), जि. रत्नागिरी - ४१६७०२. फोन नं. (०२३५३) २२१००२ फॅक्स : (०२३५३) २२१००३

ई. मेल : abasahebmarathecollege@gmail.com

नॅक पुनर्मूल्यांकन : बी<sup>†</sup> मानांकित, मुंबई विद्यापिठ : बेस्ट कॉलेज ॲवॉर्ड

संस्थापक - पद्मभूषण डॉ. कर्मवीर भाऊराव पाटील (डी. लिट्.)

प्राचार्य, डॉ. प्रल्हाद गंगाराम पवार, एम.कॉम., एम.फिल., पीएच.डी.

दिनांक: 21/11/2020

जावक क्र.: समद्रा

निमंत्रण पत्र

प्रति.

मा. डॉ. संदीप घोडके, राज्यशास्त्र विभाग प्रमुख, वीर वाजेकर आर्ट्स, सायन्स अंड कॉमर्स कॉलेज फुंडे

> विषय – २६ नोव्हेंबर २०२० संविधान दिनानिमित्त महाविद्यालयातील विद्यार्थी, विद्यार्थिनी मार्गदर्शन करणेबाबत ......

महोदय,

प्रतिवर्षीप्रमाणे महाविद्यालयात राज्यशास्त्र विभागामार्फत संविधान दिन साजरा केला जातो. दि. २६ नोव्हेंबर २०२० रोजी संविधान दिनानिमित्त संविधान जागृती या विषयावर आमच्या महाविद्यालयात व्याख्यान आयोजित केले आहे. सदर कार्यक्रमासाठी आपण विषय तज्ञ म्हणुन भारतीय संविधान या विषयावर ऑनलाइन पध्दतीने महाविद्यालयातील विद्यार्थी, विद्यार्थिनी व प्राध्यापकांना मार्गदर्शन करावे.

ही विनंती.

कळावे!

S.College Respense

A.M.A.& N.C.S.College Rajapur,(V.Gothne)Dist.Ratnagiri.



रयत शिक्षण संस्थेचे,

## आबासाहेब मराठे आर्टस् ॲन्ड न्यू कॉमर्स, सायन्स कॉलेज, राजापूर

(विखारे गोठणे), जि. रत्नागिरी - ४१६७०२. फोन नं. (०२३५३) २२१००२ फॅक्स : (०२३५३) २२१००३ ई. मेल : abasahebmarathecollege@gmail.com

नॅक पुनर्मूल्यांकन : बी⁺ मानांकित, मुंबई विद्यापिठ : बेस्ट कॉलेज ॲवॉर्ड

संस्थापक - पद्मभूषण डॉ. कर्मवीर भाऊराव पाटील (डी. लिट्.)

प्राचार्य, डॉ. प्रल्हाद गंगाराम पवार, एम.कॉम., एम.फिल., पीएच.डी.

जावक क्र.: स्म मिक्ष

विनांक: 27 / 11 / 2020

प्रति,

मा. डॉ. संदीप घोडके, राज्यशास्त्र विभाग प्रमुख, वीर वाजेकर आर्ट्स, सायन्स अंड कॉमर्स कॉलेज फुंडे.

विषय - आभार पत्र

महोदय,

महाविद्यालयाच्या राज्यशास्त्र विभागामार्फत आयोजित संविधान दिनानिमित्त भारतीय संविधान या विषयावर दि. २६ नोव्हेंबर २०२० ऑनलाइन पध्दतीने महाविद्यालयातील विद्यार्थी, विद्यार्थिनी व प्राध्यापकांना मार्गदर्शन केले व महत्त्वपूर्ण माहिती दिली त्याबद्दल महाविद्यालयाच्या वतीने आम्ही आपले आभारी आहोत.

कळावे!



आपला विश्वासु,

Principal
A.M.A.&N.C.S.College
Rajapur, (V.Gothne) Dist. Rajapur,

### रयत शिक्षण संस्थेचे, आबासाहेब मराठे आर्टस् & न्यू कॉमर्स,सायन्स कॉलेज, राजापूर राज्यशास्र विभाग "जागतिक ग्राहक हक्क दिन" सन २०२०-२०२१

#### अहवाल

दि. १५ मार्च २०२१ रोजी जागतिक ग्राहक हक्क दिनानिमित्त राज्यशास्र विभागातर्फे महाविद्यालयात 'नागरिक व ग्राहकांचे हक्क व कर्तव्ये' या विषयावर व्याख्यान आयोजित करण्यात आले. रयत शिक्षण संस्थेचे संस्थापक कर्मवीर भाऊराव पाटील तथा अण्णा यांच्या प्रतिमेचे पुजन करून कार्यक्रमास सकाळी १०. ०० वाजता सुरुवात करण्यात आली. कार्यक्रमाचे प्रमुख वक्ते मा. प्रा. प्रकाश नाईक सर यांनी 'नागरिक व ग्राहकांचे हक्क व कर्तव्ये' विषयी महत्त्वपूर्ण माहिती दिली व उपस्थित सर्व विद्यार्थ्यांना मार्गदर्शन केले.

कार्यक्रमाचे अध्यक्ष मा. प्राचार्य. डॉ. पी. जी. पवार सर यांनी मनोगत व्यक्त केले. प्रास्ताविक व स्वागत राज्यशास्त्र विभाग प्रमुख श्री. सुधीर न्हावेलकर यांनी केले. पाहुण्याचा परिचय श्री. योगेश कुलकर्णी यांनी करून दिला. सूत्रसंचालन सहाय्यक प्राध्यापक एस. जी. मेंगाळ यांनी केले. तर कार्यक्रमाचे आभार राज्यशास्त्र विभाग प्रमुख श्री. सुधीर न्हावेलकर यांनी मानले. राष्ट्रगीताने कार्यक्रमाची सांगता झाली. सदर कार्यक्रमास महाविद्यालयातील ५० विद्यार्थिनी, ३० विद्यार्थी, असे एकूण ८० विद्यार्थी व्याख्यानास उपस्थित होते. शेवटी सर्व विद्यार्थ्यांनी प्रस्तुत जागतिक ग्राहक हक्क दिन आयोजित केल्याबद्दल आभार व्यक्त केले.

A.M.A.& N.C.S.College Rajapur, (V. Gothne) Dist. Ratnagiri.



स्थापना : १९१९

रयत शिक्षण संस्थेचे,

## आबासाहेब मराठे आर्टस् ॲन्ड न्यू कॉमर्स, सायन्स कॉलेज, राजापूर

(विखारे गोठणे), जि. रत्नागिरी - ४१६७०२. फोन नं. (०२३५३) २२१००२ फॅक्स : (०२३५३) २२१००३ ई. मेल : abasahebmarathecollege@gmail.com

नॅक पुनर्मूल्यांकन : बी<sup>†</sup> मानांकित, मुंबई विद्यापिठ : बेस्ट कॉलेज ॲवॉर्ड

प्राचार्य, डॉ. प्रल्हाव गंगाराम पवार, एम.कॉम., एम.फिल., पीएच.डी.

जावक क्र.: समक्ष

दिनांक: 16/03/202

प्रति,

मा. प्रा. प्रकाश नाईक, श्री शिव-शाहू महाविद्यालय, सरूड, ता. शाहूवाडी

संस्थापक - पद्मभूषण डॉ. कर्मवीर भाऊराव पाटील (डी. लिट्.)

विषय - आभार पत्र

महोदय,

महाविद्यालयाच्या राज्यशास्त्र विभागामार्फत आयोजित जागतिक ग्राहक हक्क दिनानिमित्त 'नागरिक व ग्राहकांचे हक्क व कर्तव्ये' या विषयावर दि. १५ मार्च २०२१ रोजी महाविद्यालयातील विद्यार्थी, विद्यार्थिनी व प्राध्यापकांना मार्गदर्शन केले व महत्त्वपूर्ण माहिती दिली. त्याबद्दल महाविद्यालयाच्या वतीने आम्ही आपले आभारी आहोत.

कळावे!



आपला विश्वासु

Principal
A.M.A.&N.C.S.College
Rajapur,(V.Gothne)Dist.Ratnagid.



स्थापना : १९१९

रयत शिक्षण संस्थेचे,

## आबासाहेब मराठे आर्टस् ॲन्ड न्यू कॉमर्स, सायन्स कॉलेज, राजापूर

(विखारे गोठणे), जि. रत्नागिरी - ४१६७०२. फोन नं. (०२३५३) २२१००२ फॅक्स : (०२३५३) २२१००३ ई. मेल : abasahebmarathecollege@gmail.com

lacktriangle नॅक पुनर्मूल्यांकन : बी $^{\star}$  मानांकित, मुंबई विद्यापिठ : बेस्ट कॉलेज ॲवॉर्ड संस्थापक - पद्मभूषण डॉ. कर्मवीर भाऊराव पाटील (डी. लिट्.)

प्राचार्य, डॉ. प्रल्हाद गंगाराम पवार, एम.कॉम., एम.फिल., पीएच.डी.

जावक क्र.: सम्

दिनांक: 10 / 03 / 2021

निमंत्रण पत्र

प्रति,

मा. प्रा. प्रकाश नाईक. श्री शिव-शाहू महाविद्यालय, सरूड, ता. शाह्वाडी

> विषय – १५ मार्च २०२१ जागतिक ग्राहक हक्क दिनानिमित्त महाविद्यालयातील विद्यार्थी, विद्यार्थिनी मार्गदर्शन करणेबाबत .....

महोदय,

प्रतिवर्षीप्रमाणे महाविद्यालयात राज्यशास्त्र विभागामार्फत जागतिक ग्राहक हक्क दिन साजरा केला जातो. दि. १५ मार्च २०२१ रोजी जागतिक ग्राहक हक्क दिनानिमित्त 'नागरिक व ग्राहकांचे हक्क व कर्तव्ये' या विषयावर आमच्या महाविद्यालयात व्याख्यान आयोजित केले आहे. सदर कार्यक्रमासाठी आपण विषय तज्ञ म्हणुन 'नागरिक व ग्राहकांचे हक्क व कर्तव्ये' या विषयावर महाविद्यालयातील विद्यार्थी, विद्यार्थिनी व प्राध्यापकांना मार्गदर्शन करावे. ही विनंती.

कळावे!

आपला विश्वास,

Principal A.M.A.&N.C.S.College Rajapur, (V. Gothne) Dist. reatnagiri.



# ABASAHEB MARATHE ARTS & NEW COMMERCE, SCIENCE COLLEGE, RAJAPUR

Estd. June 1994

(Vikhare Gothane) Dist. Ratnagiri - 416702. ● NAAC Reaccredited with 'B' grade

Ph.: No. (02353) 221002 Fax : (02353) 221003 E-mail : abasahebmarathecollege@gmail.com

Founder - Dr. Kalmaveer Bhaurao Patil (D.lit.)

Prin. Dr. Pralhad G. Pawar, M.Com., M.Phil., Ph.D.

Outward No. 489 /2018-19

Date: 17/01/2019

### Memorandum of Understanding

This memorandum is singed between the Rayat Shikshan Sanstha's Abasaheb Marathe Arts & New Commerce, Science College Rajapur, Dist. Ratnagiri-416702 (Maharashtra).

and

Gokhale Education Society's HPT Arts and RYK Science college, Nashik-422005 (Maharashtra) for working in association with each other for next five years.

It is agreed to conduct the following activities jointly,

- 1) Research collaboration
- 2) Guest lectures of faculties
- 3) Training to the students

The college will provide the infrastructures and human resources.

Dr. Arun. N. Chandore

Allumy-

Chairman, Research and extension committee

Principal >

A.M.A.& N.C.S.College Rajapur(V.Gothne)Dist.Ratnagiri

Dr. Sanjay G. Auti

Head Department of Betany

HPT Arts & RYK Science College NASHIK 422 005.

MASHIK 122 005 S

PRINCIPAL HPT (ARTS) & RYK (SC ) COLLEGE NASHIK-5





# . ABASAHEB MARATHE ARTS & NEW COMMERCE, SCIENCE COLLEGE, RAJAPUR

Estd. June 1994

(Vikhare Gothane) Dist. Ratnagiri - 416702. • NAAC Reaccredited with 'B' grade

Ph.: No. (02353) 221002 Fax : (02353) 221003 E-mail : abasahebmarathecollege@gmail.com

Founder - Dr. Karmaveer Bhaurao Patil (D.lit.)

Prin. Dr. Pralhad G. Pawar, M.Com., M.Phil., Ph.D.

Outward No. 488/2018-19

Date: 17/01/2019

#### Memorandum of Understanding

This memorandum is singed between the Rayat Shikshan Sanstha's Abasaheb Marathe Arts & New Commerce, Science College Rajapur, Dist. Ratnagiri-416702 (Maharashtra).

and

K.V.N. Naik Shikshan Prasarak Sanstha's Arts, Commerce & Science College, Nashik- 422 002.(Maharashtra) for working in association with each other for next five years.

It is agreed to conduct the following activities jointly,

- 1) Research collaboration
- 2) Faculty exchange programme
- 3) Training to the students

The college will provide the infrastructures and human resources.

Dr. Arun. N. Chandore

Chairman, Research and extension committee

Principal

A.M.A.& N.C.S.College

Rajapur(V.Gothne)Dist.Ratnagiri

Dr. H. P.Shinde

Head, Department of Botany

175517

Departos di el Sulany Isik shiko do Poysaek Sa Brigger Seiswee CE College, Roger Colleg

Frynchina i Kr. V. 18. 10 - Oken J. Orssamk Janistha's Arts. To common J. H. Brose College



Founder Padmabhushan Dr. Karmaveer Bhaurao Patil D. Litt.



" Education through Self Help is Our Motto" - Karmaveer Rayat Shikshan Senstha's Estd. June 1994

## ABASAHEB MARATHE

ARTS & NEW COMMERCE, SCIENCE COLLEGE, RAJAPUR

(Vikhare Gothane) Dist. Ratnagiri- 416702

NAAC Reaccredited with 'B' grade

Ph. No. 02353-221002. Fax: 02353-221003 E-mail: abasahebmarathecollege@gmaill.com

I/c. Prin. Dr. Arvind B. Tapase, M.Sc., B.Ed., Ph.D.

Outward No. By hund

Date: 30/04/20/6

#### Memorandum of Understanding

This memorandum is singed between the Rayat Shikshan Sanstha's Botany Department of Abasaheb Marathe Arts & New Commerce, Science College Rajapur, Dist. Ratnagiri-416 702 (Maharashtra).

and

Maratha Vidya Prasarak Samaj's Botany Department of Arts, Commerce & Science College, Tryambakeshwar- 422 212. Nashik (Maharashtra) for working in association with each other for next five years.

It is agreed to conduct the following activities jointly,

- 1) Research collaboration of students and teachers
- 2) Guest lectures of Botany
- 3) Field trip organizations

The college will provide the infrastructures and human resources.

Dr. Arun. N. Chandore

Chairman, Research and extension committee

Dr. Sharad S. Kambale Head, Department of Botany

Dr. Sharad S. Kambale Assistant Professor.

Dent of Botany

AMA&N.C.S.College



Founder Padmabhushan

Dr. Karmaveer Bhaurao Patil

D. Litt.



Estd. 1919

" Education through Self Help is Our Motto" - Karmaveer Rayat Shikshan Senstha's

Estd. June 1994

## ABASAHEB MARATHE

ARTS & NEW COMMERCE, SCIENCE COLLEGE, RAJAPUR

(Vikhare Gothane) Dist. Ratnagiri- 416702

NAAC Reaccredited with 'B' grade

Ph. No. 02353-221002, Fax: 02353-221003 E-mail: abasahebmarathecollege@gmaill.com

I/c. Prin. Dr. Arvind B. Tapase, M.Sc., B.Ed., Ph.D.

Outward No. By hend

Date: 25/06/2017

#### Memorandum of Understanding

This memorandum is singed between the Rayat Shikshan Sanstha's Abasaheb Marathe Arts & New Commerce, Science College Rajapur, Dist. Ratnagiri-416702 (Maharashtra)

and

Department of Undergraduate Programme of "Sandip University" Nashik, Maharashtra, (UGC recognised) for working in association with each other for next five years.

It is agreed to conduct the following activities jointly,

- 1) Research collaboration
- 2) Guest lectures of Botany
- 3) Student training

The college will provide the infrastructures and human resources.

Dr. Arun. N. Chandore

Chairman, Research and extension committee

Dr. Ravikirnan S. Pagare Coordinator, Undergraduate Programme

ASSOCIATE DEAN SCHOOL OF SCIENCES Sandio University. Nashik