

## CRITERION 3

### Research, Innovations and Extension

*3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments in the institution during the last five years.*

***3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments in the institution during the last five years.***

Sr.No.	Contents	Link
1	Grants received from Government and non-governmental agencies for research projects.	Click

***Grants Received For Research  
Projects***

### 3.1.1 Grants received from Government and non-governmental agencies for research projects.

Sr.No.	Name of the research project /endowment	Name of the Principal Investigator/Co-investigator	Year of Award	Amount Sanctioned
1	Synthesis characterization and Ulcerogenic activity of polycyclic indenofused heterocycle	Dr.S.S.Undare	2019	50000/-
2	Synthesis and In vitro anti inflammatory and antimicrobial evaluation of some mannich Bases of N-substituted 2 pyrazoline derivatives	Dr. S.B.Jadhav	2019	50000/-
3	waman dada kardak yanchya ambedkari gitamadhun alela samajik ashey : Ek abhiyas	Dr. M.B. Sirsat	2018	50000/-
4	A Study of some generalized integral transform and their applications	Dr.A.D.Chindhe	2018	30000/-
5	Dr. Babasaheb Ambedkar yancha vishayichya mukha paramparagat sahityachya vivechak abhiyas	Dr. M.B. Sirsat	2018	25000/-



EPABX : (0240) 2403399/400  
 Pro-VC Office Tele : (0240) 2403223  
 Pro-VC Office Fax : (0240) 2403224  
 Registrar (Offi.) : (0240) 2403333/334/336  
 Web Site : [www.bamu.ac.in](http://www.bamu.ac.in)  
 E-mail : [provc.office@bamu.ac.in](mailto:provc.office@bamu.ac.in)  
 E-mail : [registrar@bamu.ac.in](mailto:registrar@bamu.ac.in)



UNIVERSITY CAMPUS  
 AURANGABAD-431004  
 (Maharashtra) INDIA

Ref: No. STAT/VI/RG/College/2019-20/ 441-43

Date: 21/06/2019

24

Dr. Santosh Shivajirao Undare,  
 Associate Professor,  
 Dept. of Chemistry,  
 Balbhim Arts, Science & Commerce College, Beed.

Subject: - Research Grant for the Project "Synthesis characterization and Ulcerogenic activity of polycyclic indenofused heterocycles"

With reference to your proposal for Minor Research Project entitled "Synthesis characterization and Ulcerogenic activity of polycyclic indenofused heterocycles" the University authorities have considered the said application and sanctioned you a grant of **Rs. 50000/- (Rs. Fifty Thousand Only)** subject to fulfillment of conditions laid down by the University for payment of Research Grant (Copy Enclosed) and on the condition that you have not already undertaken and completed the project under University's Minor Research Project Grant.

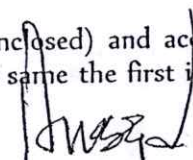
The said grant will be paid to you in two installments. The first installment (Approx. 50%) will be paid to you soon after the acceptance of all conditions attached to the Grants. The last installment will be paid after final report is submitted by you along with the statement of accounts supported by the vouchers and return of materials such as books, equipment's etc if any purchased out of the grant. The final reports and accounts shall be submitted on or before 31 Jan, 2021 through the Head of the Institution.

Principal Investigators to submit year wise measurable outcome of the proposal. This should be submitted before the release of final installment without which grant will not be released.


Principal Investigators should publish at least one research paper in index journal (Indian citation index for social science, humanity & commerce, management science faculty, Scopus citation index for science faculty) by the end of 1<sup>st</sup> year, and submit one copy of the report in Plan & Stat section, failure of which the project will be suspended & grant will not be released. The PI will be called for presentation of the research project in front of the respective experts of the subject by the end of 1<sup>st</sup> year.

I am therefore requesting you to go through the rules (Copy enclosed) and according to Rule (6) give further undertaking in the enclosed form. On receipt of the same the first installment of grant will be released.

Encl: - (As Above)

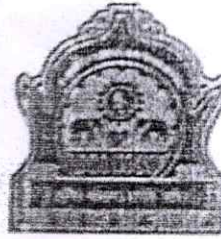
  
 Deputy Registrar  
 Plan & Stat



  
 Principal  
 Balbhim College of Arts, Science  
 & Commerce, Beed  
 District Beed-431122



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 Pro-VC Office Fax (0240) 2403224  
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 Web Site www.bamu.ac.in  
 E-mail provc@bamu.ac.in  
 E-mail registrar@bamu.ac.in



UNIVERSITY CAMPUS  
 AURANGABAD-431804  
 (Maharashtra) INDIA

Ref: No. STAT/VI/RG/College/2019-20/ 392-93

Date: 21/06/2019

To,  
 Dr. Satish Babulal Jadhav,  
 Assistant Professor,  
 Dept. of Chemistry,  
 Balbhim Arts, Science & commerce college, Beed.

Subject: - Research Grant for the Project "Synthesis and in vitro anti-inflammatory and antimicrobial evaluation of some Mannich Bases of N-substituted-2 pyrazoline derivatives"

With reference to your proposal for Minor Research Project entitled "Synthesis and in vitro anti-inflammatory and antimicrobial evaluation of some Mannich Bases of N-substituted-2 pyrazoline derivatives" the University authorities have considered the said application and sanctioned you a grant of Rs. 50000/- (Rs. Fifty Thousand Only) subject to fulfillment of conditions laid down by the University for payment of Research Grant (Copy Enclosed) and on the condition that you have not already undertaken and completed the project under University's Minor Research Project Grant.

The said grant will be paid to you in two installments. The first installment (Approx. 50%) will be paid to you soon after the acceptance of all conditions attached to the Grants. The last installment will be paid after final report is submitted by you along with the statement of accounts supported by the vouchers and return of materials such as books, equipment's etc if any purchased out of the grant. The final reports and accounts shall be submitted on or before 31 Jan, 2021 through the Head of the Institution.

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I am therefore requesting you to go through the rules (Copy enclosed) and according to Rule (6) give further undertaking in the enclosed form. On receipt of the same the first installment of grant will be released.

Encl: - (As Above)

Deputy Registrar  
 Plan & Stat



Principal

Balbhim College of Arts, Science  
 & Commerce, Beed  
 District Beed-431122



DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

N/AAC - Reaccredited "A" Grade

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Pro-VC Office Tele (0240) 2403223  
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Web Site www.bamu.ac.in  
E-mail provc.office@bamu.ac.in  
E-mail registrar@bamu.ac.in

UNIVERSITY CAMPUS  
AURANGABAD-431004  
(Maharashtra) INDIA



Ref: No. STAT/M/RG/College/2019-20/ 522-24

Date: 21/06/2019

24

Dr. Manohar Bhikaji Sirsat,  
Associate Professor & Head,  
Dept. of Marathi,  
Balbhim College, Beed.

Subject: - Research Grant for the Project "वामन दादा कर्डक यांच्या आंबेडकरी गीतांमयून आलेला सामाजिक आशय : एक अभ्यास "

With reference to your proposal for Minor Research Project entitled Project "वामन दादा कर्डक यांच्या आंबेडकरी गीतांमयून आलेला सामाजिक आशय : एक अभ्यास " the University authorities have considered the said application and sanctioned you a grant of Rs. 50000/- (Rs. Fifty Thousand Only) subject to fulfillment of conditions laid down by the University for payment of Research Grant (Copy Enclosed) and on the condition that you have not already undertaken and completed the project under University's Minor Research Project Grant.

The said grant will be paid to you in two installments. The first installment (Approx. 50%) will be paid to you soon after the acceptance of all conditions attached to the Grants. The last installment will be paid after final report is submitted by you along with the statement of accounts supported by the vouchers and return of materials such as books, equipment's etc if any purchased out of the grant. The final reports and accounts shall be submitted on or before 31 Jan. 2021 through the Head of the Institution.

Principal Investigators to submit year wise measurable outcome of the proposal. This should be submitted before the release of final installment without which grant will not be released.

Principal Investigators should publish at least one research paper in index journal (Indian citation index for social science, humanity & commerce, management science faculty, Scopus citation index for science faculty) by the end of 1<sup>st</sup> year, and submit one copy of the report in Plan & Stat section, failure of which the project will be suspended & grant will not be released. The PI will be called for presentation of the research project in front of the respective experts of the subject by the end of 1<sup>st</sup> year.

I am therefore requesting you to go through the rules (Copy enclosed) and according to Rule (6) give further undertaking in the enclosed form. On receipt of the same the first installment of grant will be released.

Encl: - (As Above)

Deputy Registrar  
Plan & Stat



Principal  
Balbhim College of Arts, Science  
& Commerce, Beed  
District Beed-431122

r.m.b. Sirsat

Minor  
Project



डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.



लघु शोध प्रकल्प

(Minor Research Project)

वामनदादा कर्डक यांच्या आंबेडकरी गीतांमधून आलेला

सामाजिक आशय : एक अभ्यास

◆ संशोधक ◆

प्रा. डॉ. मनोहर भिकाजी सिरसाट

(एम.ए., बी.एड., सेट, नेट, एम.फिल., पीएच.डी.)

सहयोगी प्राध्यापक आणि संशोधन मार्गदर्शक

पदवी आणि पदव्युत्तर मराठी विभाग प्रमुख,

बलभीम महाविद्यालय, बीड.

जानेवारी - २०२१



  
Principal

Balbhim College of Arts, Science  
& Commerce, Beed  
District Beed-431122



## प्रतिज्ञापत्र

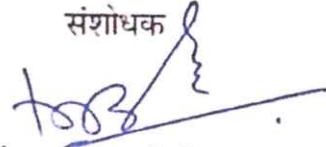
मी डॉ. मनोहर भिकाजी सिरसाट प्रतिज्ञापूर्वक असे नमूद करतो की, वामनदादा कर्डक यांच्या आंबेडकरी गीतांमधून आलेला सामाजिक आशय : एक अभ्यास या विषयावरील शोध अहवाल डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठाच्या कला विद्याशाखे अंतर्गत मराठी विषयात लघु शोध प्रकल्पासाठी सादर केला आहे.

मी हा प्रबंध या व्यतिरिक्त इतर कोणत्याही विद्यापीठातील पदवीसाठी सादर केलेला नाही.

ठिकाण : बीड

दिनांक : 29/12/2020.

संशोधक



डॉ. मनोहर भिकाजी सिरसाट

प्रा.डॉ.मनोहर सिरसाट

(एम.ए.मराठी, बी.एड., सेट, नेट, एम.फिल., पीएच.डी.)  
सहयोगी प्राध्यापक आणि संशोधन मार्गदर्शक  
मराठी विभाग प्रमुख, बलभिम महाविद्यालय



Principal

Balbhim College of Arts, Science  
& Commerce, Beed  
District Beed-431122



## ऋण निर्देश

वामनदादा कर्डक यांच्या आंबेडकरी गीतांमधून आलेला सामाजिक आशय : एक अभ्यास या प्रकल्पासाठी अनेकांचे सहकार्य, मार्गदर्शन आणि प्रेरणा मिळाल्या. त्यांच्या बदल कृतज्ञता व्यक्त करणे मी माझे कर्तव्य समजतो. आमची संस्था मराठवाडा शिक्षण प्रसारक मंडळ ही महाराष्ट्रातील अग्रगण्य असणारी संस्था आहे. संस्था कायम प्राध्यापकांच्या पाठीशी खंबीरपणे उभी राहून संशोधनासाठी सातत्याने प्रेरणा देत राहते. संस्थेचे अध्यक्ष मा.आ. प्रकाशदादा सोळुंके, सरचिटणीस मा.आ. सतीशभाऊ चव्हाण, उपाध्यक्ष मा.आ. अमरसिंहजी पंडीत आणि मंडळाचे सर्वच पदाधिकारी यांच्या विषयीची मी नम्र पणे कृतज्ञता व्यक्त करतो. महाविद्यालयाचे प्राचार्य डॉ. वसंत सानप यांनी या प्रकल्पासाठी वेळोवेळी मार्गदर्शन केले आणि प्रेरणा दिली. त्या बदल त्यांचेही मी आभार मानतो. महाविद्यालयाचे उपप्राचार्य डॉ. संतोष उंदरे, उपप्राचार्य डॉ. गणेश मोहीते, डॉ. बाबासाहेब कोकाटे, डॉ. विष्णू पाटील, प्रा. अनिल चिंधे, डॉ. रविंद्र काळे, डॉ. वापू जाधवर, डॉ. माणिक भताने, डॉ. शैलेश आकुलवार, डॉ. सुरेश घुमटकर, डॉ. हमराज उईके, डॉ. सिद्धार्थ जाधव विभागातील सहकारी प्रा. महारूद्र जगताप, प्रा. संदिप परदेशी, प्रबंधक भास्कर सुरवसे, अधीक्षक पी.पी. डावकर या सर्व सहकार्यांनी देखील सातत्याने या प्रकल्पासाठी सहकार्य केले. त्याबद्दल त्यांचे मनपूर्वक आभार आणि कमी वेळात टंकलेखन करून देणारे भाग्यश्री झेरोक्सचे मालक अरूण शेटे आणि शेख इलियास भाई यांचे ही मनापासून आभार.

डॉ. मनोहर सिरसाट




**Principal**  
**Balbhim College of Arts, Science**  
**& Commerce, Beed**  
**District Beed-431122**



## अनुक्रमणिका

अ.क्र.	प्रकरणाचे नाव	पृष्ठ क्र.
१.	प्रास्ताविक	१ ते ४
२.	शाहिरी काव्य जलसा आणि डॉ. बाबासाहेब आंबेडकर	५ ते ३३
३.	महाकवी वामनदादा कर्डक यांची प्रबोधनाची गाणी	३४ ते ५६
४.	वामनदादा कर्डक यांच्या गीतातील सामाजिक आशय	५७ ते ७१



  
**Principal**  
**Balbhim College of Arts, Science**  
**& Commerce, Beed**  
**District Beed-431122**



Aseb/2020-21-168

Date: 16<sup>th</sup> December 2020

To,  
**The Officer on Special Duty (OSD)**  
Planning & Statics,  
Dr. Babasaheb Ambedkar Marathwada University,  
Aurangabad.

**Subject: - Final Report submission of MRP.**

Ref. No. : STAT/VI/RG/College/201-2020/522-24 dated

Respected Sir,

With reference to your letter ref. no. STAT/VI/RG/College/2019-2020/522-24 dated 24.06.2019. I am submitting herewith a copy of completion of the Minor Research Project entitled "Wamandada Kardak Yanchya Ambedkari Geetanmadhun Aalela Samajik aashay ek Abhyas" under taken by Dr. Manohar Sirsat (Principal Investigator) who is working as a Associate Professor in Dept. of Marathi in our college.

So, please consider the same and extend your cooperation.

Thanking you.



Principal  
Balbhim College of Arts, Science  
& Commerce, Beed  
District Beed-431122

Yours faithfully,

Principal  
I/C Principal  
Balbhim Art, Science & Comm,  
College, Beed

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY AURANGABAD.**

Minor Research Project

**UTILIZATION CERTIFICATE**

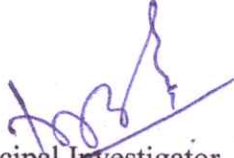
(24/06/2019 TO 31/01/2021)

It is certified that the grant of Rs. 50,000/- (Rupees Fifty Thousand Only) Sanctioned to **Dr. Manohar Sirsat**, Associate Professor Department of Marathi, Balbhim Art's, Science & Commerce College, Beed by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Vide their letter No STAT/VI/RG/College/2019-2020/~~52-24~~ dated 24/06/2019 towards Minor research Project. And received an amount of Rs. 25,000/- (Twenty five Thousand rupees only) through NEFT dated 04/07/2019.

The sanctioned amount utilized for the purpose for which it has been sanctioned and in accordance with the terms and conditions laid down by university.

If as a result of check or audit objection, some irregularity is noticed at a letter stage action will be taken to refund or regularize the objected amount.

Total actual Expenditure incurred for this project is of Rs. 50,177/- (Fifty Thousand One Hundred Seventy Seven Only)



Principal Investigator  
**Dr. Manohar Sirsat**  
Associate Professor  
Department of Marathi  
Balbhim Art's, Science & Commerce College, Beed.

(एम.ए.मराठी, बी.एड., सेट, नेट, एम.फील, पीएच.डी)  
सहयोगी प्राध्यापक आणि संशोधन मार्गदर्शक  
मराठी विभाग प्रमुख, बलभीम महाविद्यालय

Chartered Accountant

**For Nahar Jain & Associates**  
**Chartered Accountants**

F. R. No. 132547W

  
**Adesh Nahar**  
Partner

M. No. 141132



**Principal**  
**Balbhim College of Arts, Science**  
**& Commerce, Beed**  
**District Beed-431122**



Name of the principal Investigator : Dr. Manohar Sirsat, Balbhim College, Beed.

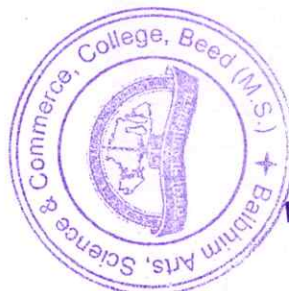
A filed work – **Travelling Details.**

Sr. No.	Name of the place visited	date	expenditure incurred Rs.	Mode of Journey
1.	Buldhana	15.10.2019	3960/-	By Own Car
2.	Aurangabad	28.10.2019	2710/-	By Own Car
3.	Nasik	07.11.2019	5370/-	By Own Car
4.	Nanded	22.11.2019	3750/-	By Own Car
5.	Aurangabad	28.11.2019	2710/-	By Own Car
6.	Yawatmal	04-01-2020	5760/-	By Own Car
	<b>Total</b>		<b>24260/-</b>	

**For Nahar Jain & Associates**  
**Chartered Accountants**

F. R. No. 132547W

**Adesh Nahar**  
Partner  
M. No. 141132



*(Signature)*  
**(Dr. Manohar Sirsat)**  
**Principal Investigator**

**प्रा.डॉ.मनोहर सिरसाट**

(एम.ए.मराठी, बी.एड., सेट, नेट, एम.फिल, पीएच.डी)  
सहयोगी प्राध्यापक आणि संशोधन मार्गदर्शक  
मराठी विभाग प्रमुख, बलभीम महाविद्यालय बी.

*(Signature)*  
**Principal**

**Balbhim College of Arts, Science  
& Commerce, Beed**  
**District Beed-431122**

Name of the principal Investigator : Dr. Manohar Sirsat, Balbhim College, Beed.

Name of the college : Balbhim Art's, Science & Commerce College Beed.

University Letter Reference No. STAT/VI/RG/College/2019-20/392-93

Dated: 24/06/2019.

Title Of the Project : Wamandada Kardak Yanchya Ambedkari Geetatil Samajik  
Ashay.

Duration of Project : 02 Year

Detail of Expenditure :

Sanctioned Amount	Amount Received	Head	Particular	Date	Expenditure Rs.
50,000/-	25000/-	Book & Journal	Parbodhan Prakashan	04-12-2020	3847
		Mahatma Gandhi Welfare Society	Conference Paper	30.03.2019	1500
		Bhagyashree Xerox	Xerox & Binding etc	07.10.2020	1980
		The English Educator Society	Conference Paper	09.02.2019	1600
		Prime Computer Service	Computer	02.04.2020	1950
		Bhagyashree Xerox	Xerox etc	02.11.2020	1310
		The English Educator Society	Conference Paper	14.12.2019	1600
		Prime Computer	Software	10.01.2019	1900
		Adesh Nahar	CA	18.12.2020	1000
		Hirring Cervices	Subham Ambore, Akash Pawar	04.01.2019 15.01.2010 07.11.2011	1800+ 1800+ 1800 = 5400
		Shree Ganesh Book Deport	Stationary	10.05.2020	1980
		Param Computer	Laptop Formatting & Maintenance	06.05.2020	1850
				Total	25917

Principal Investigator  
Dr. Manohar Sirsat  
Associate Professor  
Department of Marathi  
Balbhim Art's, Science & Commerce College, Beed.

प्रा.डॉ.मनोहर सिरसाट

(एम.ए.मराठी, बी.एड., सेट, नेट, एम.फील, पीएच.डी.)  
सहयोगी प्राध्यापक आणि संशोधन मार्गदर्शक  
मराठी विभाग प्रमुख, बालभिम महाविद्यालय, बीड



Principal  
Balbhim College of Arts, Science  
& Commerce, Beed  
District Beed-431122

Chartered Accountant

For Nahar Jain & Associates  
Chartered Accountants

F. R. No. 132547W

Adesh Nahar  
Partner

M. No. 141



+ 24260  
Total = 50,177/-



DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD-431 004. Maharashtra (India)  
NAAC Accredited 'A'

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E-mail :- bcud.office@bamu.ac.in  
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Telegram :- BAMUSITY



UNIVERSITY CAMPUS  
AURANGABAD – 431 004  
(Maharashtra) India

Ref: No. STAT/VI/RG/2017-18/2985-86

Date:-07/02/2018

Subject: - Research Grant for the Project "A Study of some generalized integral transform and their applications"

With reference to your proposal for Minor Research Project entitled "A Study of some generalized integral transform and their applications" I am to state that the University authorities have considered the said application and sanctioned you a grant of **Rs.30,000/- (Rs. Thirty Thousand Only)** for the Research project cited above, subject to fulfillment of conditions laid down by the University for payment of Research Grant (Copy Enclosed) and on the condition that you have not already undertaken and completed the project.

The said grant will be paid to you in two installments. The first installment will be paid to you soon after the acceptance of all conditions attached to the Grants. The last installment will be paid after final report is submitted by you along with the statement of accounts supported by the vouchers and return of materials such as books, equipment's etc if any purchased out of the grant. The final reports and accounts shall be submitted on or before 31<sup>st</sup> March, 2018 through the Head of the Institution or the guide.

Principal Investigators to submit year wise measurable outcome of the proposal. This should be submitted before the release of installment without which grant will not be released.

Principal Investigators should publish at least one research paper in index journal (Indian citation index for social science, humanity & commerce, management science faculty, Scopus citation index for science faculty) by the end of 1<sup>st</sup> year, failure of which the project will be suspended & grant will not be released.

I am therefore to request you to go through the rules (Copy enclosed) and according to Rule (6) give further undertaking in the enclosed form. On receipt of the same the first installment of grant will be released.

Encl: - (As Above)

To,  
Mr. Anil Dhondiram Chindhe,  
Principal Investigator,  
Assistant Professor,  
Dept. of Mathematics,  
Balbhim College, Beed.

Officer on special duty  
Plan & stat



Principal  
Balbhim College of Arts, Science  
& Commerce, Beed  
District Beed-431122

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Off. : 02442 - 222470, 231094  
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Marathwada Shikshan Prasarak Mandal's,

# Balbhim Arts, Science & Commerce College, Beed

Dist. Beed (M.S.) 431 122

**Dr. V. G. Sanap**

**Principal**

M.A., M.Phil., Ph. D.



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web - www.mspmbeced.com

e - mail - mspmbeced@gmail.com

e - mail - drvasantsanap11@gmail.com

Ref. No. ASCB/2018-19/ 627

Date : 23<sup>rd</sup> March 2019

To,  
The Deputy Registrar,  
Planning and Statistics,  
Dr. Babasaheb Ambedkar Marathwada University,  
Aurangabad

**Sub:-Submission of minor research project utilization**

**Ref:-No.STAT/VI/RG/2017-18/2985-86 dated 07.02.2018**

Sir,

With reference to above subject, we herewith submitting the utilization report of the minor research project entitled **A Study of Some Generalized Integral Transform and Their Applications sanctioned** to principal investigator **Mr. A. D. Chindhe**, Head, Department of mathematics with the necessary documents.

Please accept the same and oblige.

Thank you.

Yours faithfully,

Principal investigator

**Mr. A. D. Chindhe**  
**Head**

**Department of Mathematics**

**Balbhim College, Beed**

**Principal**

**Balbhim Arts, Sci. & Comm.**  
**College, Beed**

Encls: Utilization certificate with two bound thesis of the MRP.



**Principal**

**Balbhim College of Arts, Science**  
**& Commerce, Beed**  
**District Beed-431122**



M.S.P.Mandal's

**Baibhim Arts, Science and Commerce College, Beed**

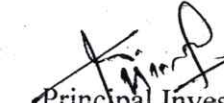
**Department of Mathematics**

**Grants for Minor Research Project by**

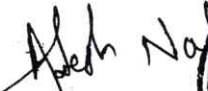
**Dr. Babasaheb Ambedkar Marathwada University,  
Aurangabad**

**Utilization Certificate**


Certified that the grant of 30,000/- (Rs. Thirty Thousand only) received from the Dr. Babasaheb Ambedkar Marathwada University, Aurangabad under the scheme of Minor Research Project entitled **A Study of Some Generalized Integral Transform and Their Applications** to the principal investigator vide letter No. STAT/VI/RG/2017-18/2985-86 dated 07.02.2018 has been utilized for the purpose for which it was sanctioned and in accordance with terms and conditions laid down by the University.

  
Principal Investigator  
Mr. Chindhe A.D.  
Head  
Department of Mathematics  
Balbhim College, Beed

  
Principal  
Balbhim Arts, Sci. & Comm.  
College, Beed

  
Chartered Accountant  
For Nahar Jain & Associates  
Chartered Accountants  
F. R. No. 132547W



  
Principal  
Balbhim College of Arts, Science  
& Commerce, Beed  
District Beed-431122

**Adesh Nahar**  
Partner  
M. No. 141132

BRSCB/2018-19/627

Date : 23<sup>rd</sup> March 2019

To,  
**The Deputy Registrar,**  
Planning and Statistics,  
Dr. Babasaheb Ambedkar Marathwada University,  
Aurangabad

**Sub:- Submission of minor research project utilization**

**Ref:- No.STAT/VI/RG/2017-18/2985-86 dated 07.02.2018**

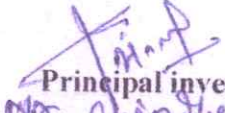
Sir,

With reference to above subject, we herewith submitting the utilization report of the minor research project entitled **A Study of Some Generalized Integral Transform and Their Applications** sanctioned to principal investigator **Mr. A. D. Chindhe**, Head, Department of mathematics with the necessary documents.

Please accept the same and oblige.


Thank you.


Yours faithfully,

  
**Principal investigator**  
**Mr. Chindhe A.D.**  
**Head**  
**Department of Mathematics**

Enclosed Utilization Certificate with two bound thesis of the MRP



  
**Principal**  
**Balbhim College of Arts, Science**  
**& Commerce, Beed**  
**District Beed-431122**

  
**Principal**  
**Balbhim Arts, Sci. & Comm.**  
**College, Beed**





# **MINOR RESEARCH PROJECT**

**on**

## **A Study Of Some Generalized Integral Transforms & Their Applications”**

**Submitted by**

**Mr. Anil Dhondiram Chindhe**

**(M.Sc. SET)**

**Department of Mathematics**

**Balbhim Arts, Science & Commerce College,**

**Beed – 431122. (Maharashtra State)**



**Submitted To**

**Dr. Babasaheb Ambedkar Marathwada University,  
Aurangabad. (M.S.) 431 004, India.**

**March – 2019.**



  
**Principal**

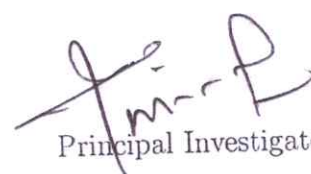
**Balbhim College of Arts, Science  
& Commerce, Beed  
District Beed-431122**

## Declaration of Authorship

I, Anil Dhondiram Chindhe hereby declare that the thesis entitled "A Study of Some Generalized Integral Transforms and Its Application" submitted by me as a Minor Research project in Mathematics in the faculty of science to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.), India, is the original work carried out by me and has not been submitted to any other university, in any form for the fulfilment of any other diploma, degree, fellowship or other similar title by me.

Date: 20<sup>th</sup> March 2019.

Place: Beed.



Principal Investigator

Anil Dhondiram Chindhe

**Head**

**Department of Mathematics**  
**Balbhim College, Beed**



**Principal**

**Balbhim College of Arts, Science**  
**& Commerce, Beed**  
**District Beed-431122**



## Acknowledgements

I express my sincere thanks to honorable Shri. Prakash Solanke (President, M.S.P. Mandal, Aurangabad ), honorable Shri. Satish Chavan (Secretary, M.S.P. Mandal, Aurangabad) and honorable Shri. Amarsingh Pandit (Vice-President, M.S.P. Mandal, Aurangabad) for their moral support, encouragement for doing this minor research project. With extreme pleasure, I would like to express my sincere and deep sense of gratitude to honorable Dr. S. B. Kiwne, Research guide and Associate Professor, Department of Mathematics, Deogiri College, Aurangabad, for his valuable guidance, all kinds of supports.

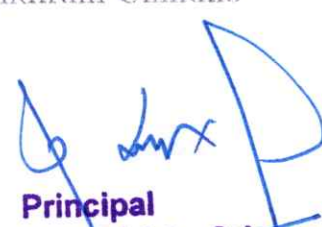
I wish to express my gratitude to Dr. V.G. Sanap, Principal Balbhim College Beed, for encouragement to carry out this research work. I express my sincere thanks to Dr. Sadikali Shaikh, Mr. A.D. Godase for their valuable guidance, all kinds of supports to me throughout my research period.

I am very much thankful to my friends Dr. Santosh Undare (Vice-Principal, Balbhim College, Beed), Dr. Ganesh Mohite (Vice-Principal, Balbhim College, Beed), Dr. Vishnu Patil, Dr. Manohar Sirsat, Dr. Ravindra Kale, Dr. Mahadev Sakhare, Dr. Arvind Aghao, Mr. Prashant Vibhute, Mr. Yogesh Bharate, Mr. Sanjeevan Surwase, Dr. Satish Jadhav, Mr. Jayaji Kadam, Mr. B.T. Tate for their moral support and encouragement.

I conclude my endless thanks to all those who knowingly-unknowingly helped me during this research project journey. Thanking for their best wishes.

Anil Dhondiram Chindhe



  
**Principal**  
**Balbhim College of Arts, Science**  
**& Commerce, Beed**  
**District Beed-431122**

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**Balbhim College of Arts, Science**  
**& Commerce, Beed**  
**District Beed-431122**



**B. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,**  
AURANGABAD-431 004, Maharashtra (India)  
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AURANGABAD - 431 004  
(Maharashtra) India

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Email: bcud.office@bamu.ac.in  
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Date: 07/02/2018

Ref. No. STAT/VI/RG/2017-18/3093-74

**Subject: - Research Grant for the Project "Dr. Babasaheb Ambedkar yanchya vishayichya mukhaparamparagat sahityacha vivechak abhyas"**

With reference to your proposal for Minor Research Project entitled Research Grant for the Project "Dr. Babasaheb Ambedkar yanchya vishayichya mukhaparamparagat sahityacha vivechak abhyas" I am to state that the University authorities have considered the said application and sanctioned you a grant of **Rs.25,000/- (Rs. Twenty Five Thousand Only)** for the Research project stated above, subject to fulfillment of conditions laid down by the University for payment of Research Grant (Copy Enclosed) and on the condition that you have not already undertaken and completed the project.

The said grant will be paid to you in two installments. The first installment will be paid to you soon after the acceptance of all conditions attached to the Grants. The last installment will be paid after final report is submitted by you along with the statement of accounts supported by the vouchers and return of materials such as books, equipment's etc if any purchased out of the grant. The final reports and accounts shall be submitted on or before 31<sup>st</sup> March, 2018 through the Head of the Institution or the guide.

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I am therefore to request you to go through the rules (Copy enclosed) and according to Rule (6) give further undertaking in the enclosed form. On receipt of the same the first installment of grant will be released.

Encl: - (As Above)

*[Signature]*  
Officer on special duty  
Plan & stat

To,  
Dr. Sirsat Manohar Bhikaji,  
Assistant Prof.  
MSP Mandal's Arts, Commerce & Science College,  
Kille Dharur, Dist-Beed



*[Signature]*  
**Principal**  
**Balbhim College of Arts, Science**  
**& Commerce, Beed**  
**District Beed-431122**



डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

लघु शोध प्रकल्प  
(Minor Research Project)



डॉ. बाबासाहेब आंबेडकर यांच्या विषयीच्या मुखपरंपरागत  
साहित्याचा विवेचक अभ्यास

\* संशोधक \*

प्रा.डॉ. मनोहर भिकाजी सिरसाट

(एम.ए., बी. एड., सेट, नेट, एम.फिल., पीएच.डी.)


सहयोगी प्राध्यापक आणि संशोधन मार्गदर्शक

पदवी आणि पदव्युत्तर मराठी विभाग प्रमुख,

बलभीम महाविद्यालय, बीड.

मार्च २०१९.



  
Principal  
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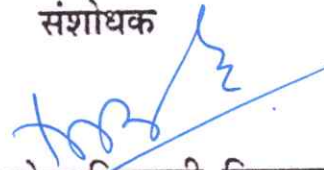


## प्रतिज्ञापत्र

मी, डॉ. मनोहर भिकाजी सिरसाट प्रतिज्ञापूर्वक असे नमूद करतो की, डॉ. बाबासाहेब आंबेडकर यांच्या विषयीच्या मुखपरंपरागत साहित्याचा विवेचक अभ्यास या विषयावरील शोध अहवाल डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठाच्या कला विद्याशाखेअंतर्गत मराठी विषयात लघुशोध प्रकल्पासाठी सादर केला आहे.

मी हा प्रबंध या व्यतिरिक्त इतर कोणत्याही विद्यापीठातील पदवीसाठी सादर केलेला नाही.

संशोधक



डॉ. मनोहर भिकाजी सिरसाट

एम.ए., बी. एड., एम.फिल.,

सेट, नेट, पीएच.डी.


प्रा.डॉ.मनोहर सिरसाट

(एम.ए.मराठी, बी.एड., सेट, नेट, एम.फिल., पीएच.डी.)  
सहयोगी प्राध्यापक आणि संशोधन मार्गदर्शक  
मराठी विभाग प्रमुख, बलभीम महाविद्यालय बीड

ठिकाण : बीड

दिनांक : 20/03/2019



  
Principal  
Balbhim College of Arts, Science  
& Commerce, Beed  
District Beed-431122

## ऋणनिर्देश

डॉ. बाबासाहेब आंबेडकर यांच्या विषयीच्या मुख परंपरागत साहित्याचा अभ्यास या प्रकल्पासाठी अनेकांचे सहकार्य, मार्गदर्शन आणि प्रेरणा मिळाल्या. त्यांच्या बदल कृतज्ञता व्यक्त करणे मी माझे कर्तव्य समजतो. आमची संस्था मराठवाडा शिक्षण प्रसारक मंडळ ही महाराष्ट्रातील अग्रगण्य असणारी संस्था आहे. संस्था कायम प्राध्यापकांच्या पाठीशी खंबीरपणे उभी राहून संशोधनासाठी सातत्याने प्रेरणा देत राहते. संस्थेचे अध्यक्ष मा. आ. प्रकाशदादा सोळुंके, सरचिटणीस मा.आ. सतीशभाऊ चव्हाण, उपाध्यक्ष मा.आ. अमरसिंहजी पंडीत आणि मंडळाचे सर्वच पदाधिकारी यांच्या विषयीची मी नम्रपणे कृतज्ञता व्यक्त करतो. महाविद्यालयाचे प्राचार्य डॉ. वसंत सानप यांनी या प्रकल्पासाठी वेळोवेळी मार्गदर्शन केले आणि प्रेरणा दिली. त्या बदल त्यांचेही मी आभार मानतो. महाविद्यालयाचे उपप्राचार्य डॉ. संतोष उंदरे, उपप्राचार्य डॉ. गणेश मोहीते, डॉ. बाबासाहेब कोकाटे, डॉ. विष्णू पाटील, प्रा. अनिल चिंधे, डॉ. रविंद्र काळे, डॉ. बापू जाधवर, प्रा. माणिक भताने, डॉ. शैलेश आकुलवार, डॉ. सुरेश घुमटकर, विभागातील सहकारी प्रा. महारूद्र जगताप, प्रा. संदिप परदेशी, प्रबंधक भास्कर सुरवसे, अधीक्षक पी.पी. डावकर या सर्व सहकाऱ्यांनी देखील सातत्याने या प्रकल्पासाठी सहकार्य केले. त्याबद्दल त्यांचे मनःपूर्वक आभार कमी वेळात टंकलेखन करून देणारे भाग्यश्री झेरोक्सचे अरूण शेते आणि शेख इलियास भाई यांचे ही मनापासून आभार.



- डॉ. मनोहर सिरसाट

  
Principal

Balbhim College of Arts, Science  
& Commerce, Beed  
District Beed-431122



## अनुक्रमणिका

अ.क्र.	प्रकरणाचे नाव	पृष्ठ क्र.
१)	प्रास्ताविक	१ - ६
२)	डॉ. बाबासाहेबांच्या व्यक्तिमत्वातील विविध पैलू	७ - १७
३)	ओवीतून व्यक्त झालेले बाबासाहेब	१८ - ३०
४)	शाहीरी काव्य आणि जलशामधून प्रकटलेले डॉ. बाबासाहेबांचे व्यक्तिमत्त्व	३१ - ६१
५)	समकालीनांच्या मुलाखती	६२ - ६८
६)	उपसंहार / निष्कर्ष	६९ - ७१



**Principal**  
**Balbhim College of Arts, Science**  
**& Commerce, Beed**  
**District Beed-431122**

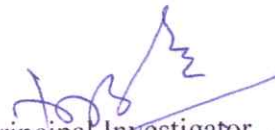
**Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.**

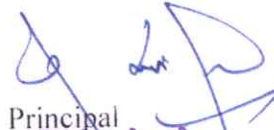
**Minor Research Project Project – Dr.M.B.Sirsat**

**Statement of expenditure incurred on filed work.**


Sr.No.	Name o the place visited	Date	Expenditure incurred Rs.	Mode of journey
01.	Buldhana	06.01.2019	3960	By car
02.	Auangabad	13.01.2019	2880	“”
03.	Nanded	10.02.2019	3780	“”
04.	Mumbai	17.02.2019	1600	By <del>Carets</del>
	Total		12,220	

Certified that the above expenditure is correct for Minor Research Project.

  
Principal Investigator  
**प्रा. डॉ. मनोहर सिरसाट**  
(एम.ए., बी.एड., सेट, नेट, एम.फिल., पीएच.डी.)  
संशोधन मार्गदर्शक  
पदवी व पदव्युत्तर मराठी विभाग,  
बलभीम महाविद्यालय, बीड

  
Principal  
**Principal**  
Balbhim Arts, Sci. & Comm.  
College, Beed




  
Principal  
**Balbhim College of Arts, Science  
& Commerce, Beed**  
District Beed-431122

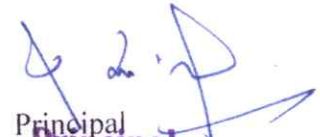


**Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.**

**Statement of Expenditure in respect of Minor Research Project.**

1)	Name of Principal Investigator	Dr.M.B.Sirsat
2)	Department and College	Department of Marathi, Balbhim College, Beed.
3)	University approval letter	No. STAT/V/RG/2017-18/3037-74 dated 07.02.2018
4)	Title of the Research Project	"Dr.Babasaheb Ambedkar Yanchya Vishavchya Mukhparamparagat Sahityacha Vivechak Abhyas"
5)	Details of expenditure	Rs.25,150
<b>Sr.No.</b>	<b>Item</b>	<b>Expenditure</b>
1)	Books (1080 + 1150) = 2230	2230
2)	DTP & binding (1980 + 1310 + 1270)	4560
3)	Travelling	12220
4)	Stationery	1540
5)	C.A.	1000
6)	Hiring services (1800 + 1800)	3600
	<b>Total</b>	<b>25150</b>

  
Principal Investigator  
**प्रा.डॉ. मनोहर सिरसाट**  
(एम.ए., बी.एड., सेट, नेट, एम.फिल., पीएच.डी.)  
संशोधन मार्गदर्शक  
पदवी व पदव्युत्तर मराठी विभाग,  
बलभीम महाविद्यालय, बीड

  
Principal  
**Balbhim Arts, Sci. & Comm.  
College, Beed**





  
Principal  
**Balbhim College of Arts, Science  
& Commerce, Beed  
District Beed-431122**

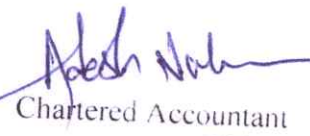
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

**Utilization Certificate**

Certified that the grant of Rs.25,000 (Rs. Twenty five thousand only) received from the Dr. Babasaheb Ambedkar Marathwada University, Aurangabad under the scheme of Minor Research Project "Dr.Babasaheb Ambedkar Yanchya Vishavchya Mukhparamparagat Sahityacha Vivechak Abhyas" through letter No. STAT/V/RG/2017-18/3037-74 dated 07.02.2018 has been utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.

  
Principal Investigator  
प्र. डॉ. मनोहर सिरसाट  
(एम.ए., बी.एड., सेट, नेट, एम.फिल., पीएच.डी.)  
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बलभीम महाविद्यालय, बीड

  
Principal  
Principal  
Balbhim Arts, Sci. & Comm.  
College, Beed


  
Chartered Accountant



Adesh Nahar Jain & Associates  
Chartered Accountants  
F. R. No. 132547W

Adesh Nahar  
Partner  
M. No. 141132



  
Principal  
Balbhim College of Arts, Science  
& Commerce, Beed  
District Beed-431122



Date: 19/03/2019

To  
The Deputy Registrar,  
Planning and Statistics,  
Dr. Babasaheb Ambedkar Marathwada University,  
Aurangabad.

Sub:- Submission of minor research project utilization.  
Ref:- No. STAT/V/RG/2017-18/3037-74 dated 07.02.2018


Sir,


With reference to the above subject, please find the minor research project utilization in Marathi subject of which Principal Investigator is Dr. M.B. Sirsat.

Please accept the same and oblige.

Thank you.


Yours faithfully,

  
Principal Investigator  
**प्रा. डॉ. मनोहर सिरसाट**  
(एम.ए., बी.एड., नेट, नेट, एम.फिल., पीएच.डी.)  
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Principal  
**Principal**  
Balbhim Arts, Sci. & Comm.  
College, Beed

Encl:- Utilization certificate as above with  
two bound thesis of the MRP.



  
Principal  
**Principal**  
Balbhim College of Arts, Science  
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