



Shiksha Mandal's
Bajaj College of Science, Wardha

Research and Development Cell



Category:	Promotion of Research
Policy Name	Policy for Seed Money
Approved By:	Academic Council
Date of Approval:	7/10/2023
Date of Amendment:	16/10/2023

(Policy approved by Research and Development Cell, Bajaj College of Science, Wardha)

Policy for Seed Money

1. Introduction:

Research and Development is a systematic activity of basic and applied research to discover a solution for problems faced by society or creating new products and knowledge. It may result in the form of IP - research, publications, patents and copyright etc. Seed Money Scheme, sponsored by Bajaj College of Science, Wardha aim to promote research and innovation among young faculty by funding them with seed research grant under different areas of research to motivate their ideas which may lead to bigger projects/programs to be sent to National/ International funding agencies. Research Project that is already supported by other sources will not be considered for funding. The project under this scheme will be considered as Minor Project.

2. Purpose:

- To support and enhance the research capabilities of the faculty for the generation of proposal to apply for Govt./Pvt. funded research projects.
- To motivate the faculty members and enhance their research activities.

3. Scope:

This is a College wide Research Policy. It is implementable in all Departments of BCS and can serve as guideline.

4. Objectives:

The objective of the scheme is to prepare a platform to accelerate the possibility of applying high value projects for the financial support from external agencies in the future. The applicant must clearly and convincingly demonstrate that the proposed project represents a new research direction in an area likely to generate external funding.

5. Scope of Policy and Guidelines:

- 5.1.** This policy is to encourage the faculty members to propagate their innovative ideas through Seed Research Proposals, which can be further translated in to major research projects and submitted to the external agencies for funding.

5.2. Eligibility Criteria

Applicant must be a full-time faculty as Assistant Professor and recruited after 2013. The faculty should be rewarded the seed project financial support once only during the tenure at Bajaj college of Science Wardha as Principal Investigator (PI). Co-PI can also be there in Interdisciplinary projects.

5.3. Duration

The duration of project will be only Two years and will not be extended beyond 2 years.

5.4. Budget:

The funding support under this scheme will be up to Rs. 1,00,000/- (for 2 years).

5.5. Funding is available for purchasing and other activities as specified below:

- (i) Minor equipment/software/ related with proposal (which are not available in College).
- (ii) Consumables
- (iii) Travel support and registration for attending conference inside India. (Only one time).
- (iv) Contingencies
- (v) Any other important items subject to the prior approval of Principal.

5.6. Grant cannot be used

- (i) For any Travel outside India.
- (ii) For purchase of Laptop /Desktop

5.7. Proposal Submission

Duly signed project proposal under seed money should be submitted only in the form of hard copy (as per format attached herewith (**Annexure I**)) to Principal office.

5.8. Review and Selection Criteria

Submitted proposal will be evaluated by Expert Committee called by Principal. Preference will be given to proposals that have significant scientific merit and represent a new direction for the PI.

5.9. Project Completion

After completion of project, PI must submit a proper report along with achievements, and deliver a formal presentation before the research committee. Project completion report in the prescribed format should also be submitted to the office of Principal and IQAC for record purpose.

5.10. After getting seed money, it is mandatory to publish at least one research paper (as a first author or corresponding author) either in indexed journals or UGC care listed journals.

5.11. It is expected out from PI/Co-PI to submit the utilization certificate to the office of Principal and Internal Quality Assurance Cell (IQAC).



Convener
R & D Cell
CONVENER

Research and Academic Committee
Bajaj College of Science, WARDHA



Coordinator
Internal Quality Assurance Cell

2



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Bajaj College of Science, Wardha.
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Bajaj College of Science
Wardha

Bajaj College of Science, Wardha

(Formerly known as Jankidevi Bajaj College of Science)

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A Linguistic Minority College, DST-FIST Supported
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E-mail : jbsciencewardha@yahoo.co.in
website : jbsw.shikshamandal.org

Jamnala Bajaj Marg, Civil Line
Wardha-442 001 (Maharashtra)
Uni. College No. :652
Jr. College No. : 07-01-003
UDIAS No. 27080800106

Ref No. BC/2023-24/R&D-Seed Money/451

Date : 21/11/2023

To,
Dr. S.P. Biswas,
Assistant Professor, Department of Zoology,
Bajaj College of Science, Wardha.

Subject : Sanction of Financial assistance to the Minor Research Project entitled "*Nanotechnology in Agriculture: Leveraging nanoparticles as biopesticides against insect pests*" under Seed Money Scheme -2023 of Bajaj College of Science, Wardha.

Reference : 1) This office letter No. BC/2023-24/R&D-Seed money dated 25/09/2023
2) Your application for Seed Money BCS/IQAC/2023-24/071 dated 30/10/2023.
3) Presentations followed by personal interview held on 08/11/2023.

Dear Sir,

I am glad to inform you about the sanction of Minor Research Project under Seed Money Scheme - 2023 of Bajaj College of Science, Wardha. The selection committee has recommended and approved the grant of Rs. 65,000/- (Rupees Sixty Five Thousand only) for your project proposal entitled "*Nanotechnology in Agriculture: Leveraging nanoparticles as biopesticides against insect pests*". The duration of your Minor Research Project shall be of two years from the date of sanction. Kindly refer Seed Money Policy – 2023 of Bajaj College of Science, Wardha for further details.

You are required to submit the utilization certificate and statement of expenditure for the allocated amount for the following budget heads as per your application.

S.No.	Head	Total Sanctioned amount (Rs.)
1	Non-Recurring	--
2	Recurring	
	Chemicals / Consumables	50000
	Characterizations of nanoparticles	15000
	Total Rs.	65000

Terms and conditions :

- 1) You have to maintain the stock book / record of the expenditure of your project.
- 2) The bills of the items purchased should be submitted to office and office will pay to the vendor directly.



(Prof. P.V. Tekade)
Principal
Bajaj College Of Science
Wardha

Copy to :

- 1) The Coordinator, Internal Quality Assurance Cell, Bajaj College of Science, Wardha.
- 2) The Convenor, Research and Development Cell, Bajaj College of Science, Wardha.

3) Head, Department of Zoology.
4) Account section

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UDIAS No. 27080800106

Ref No. BC/2023-24/R&D-Seed Money/452

Date : 21/11/2023

To,
Dr. A.A. Maheshwari,
Assistant Professor, Department of Botany,
Bajaj College of Science, Wardha.Subject : Sanction of Financial assistance to the Minor Research Project entitled "*To evaluate phytotoxic effect of essential oils from selected plants against weeds and its possible use as bioherbicide*" under Seed Money Scheme -2023 of Bajaj College of Science, Wardha.Reference : 1) This office letter No. BC/2023-24/R&D-Seed money dated 25/09/2023
2) Your application for Seed Money BCS/IQAC/2023-24/070 dated 30/10/2023.
3) Presentations followed by personal interview held on 08/11/2023.

Dear Sir,

I am glad to inform you about the sanction of Minor Research Project under Seed Money Scheme - 2023 of Bajaj College of Science, Wardha. The selection committee has recommended and approved the grant of Rs. 80,000/- (Rupees Eighty Thousand only) for your project proposal entitled "*To evaluate phytotoxic effect of essential oils from selected plants against weeds and its possible use as bioherbicide*". The duration of your Minor Research Project shall be of two years from the date of sanction. Kindly refer Seed Money Policy – 2023 of Bajaj College of Science, Wardha for further details.

You are required to submit the utilization certificate and statement of expenditure for the allocated amount for the following budget heads as per your application.

S.No.	Head	Total Sanctioned amount (Rs.)
1	Non-Recurring	--
2	Recurring	
	Chemicals / Consumables	15000
	Solid Phase microextraction injections	25000
	Characterizations of essential oils (GC-MS Analysis)	40000
	Total Rs.	80000

Terms and conditions :

- 1) You have to maintain the stock book / record of the expenditure of your project.
- 2) The bills of the items purchased should be submitted to office and office will pay to the vendor directly.

(Prof. P.V. Tekade)
Principal
Bajaj College of Science
Wardha

Copy to :

- 1) The Coordinator, Internal Quality Assurance Cell, Bajaj College of Science, Wardha.
- 2) The Convenor, Research and Development Cell, Bajaj College of Science, Wardha.

3. Head, Department of Botany.
4.) Account Section

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Ref No. BC/2023-24/R&D-Seed Money/453

Date : 21/11/2023

To,
Dr. P.G. Borkar,
Assistant Professor, Department of Chemistry,
Bajaj College of Science, Wardha.

Subject : Sanction of Financial assistance to the Minor Research Project entitled "*Mechanistic study of cooperative catalysis between Lewis acid and Bronsted acid in Pictet-Spangler reaction of tryptophol and aldehydes*" under Seed Money Scheme -2023 of Bajaj College of Science, Wardha.

Reference : 1) This office letter No. BC/2023-24/R&D-Seed money dated 25/09/2023
2) Your application for Seed Money BCS/IQAC/2023-24/077 dated 30/10/2023.
3) Presentations followed by personal interview held on 08/11/2023.

Dear Sir,

I am glad to inform you about the sanction of Minor Research Project under Seed Money Scheme - 2023 of Bajaj College of Science, Wardha. The selection committee has recommended and approved the grant of Rs. 75,000/- (Rupees Seventy Five Thousand only) for your project proposal entitled "*Mechanistic study of cooperative catalysis between Lewis acid and Bronsted acid in Pictet-Spangler reaction of tryptophol and aldehydes*". The duration of your Minor Research Project shall be of two years from the date of sanction. Kindly refer Seed Money Policy – 2023 of Bajaj College of Science, Wardha for further details.

You are required to submit the utilization certificate and statement of expenditure for the allocated amount for the following budget heads as per your application.

S.No.	Head	Total Sanctioned amount (Rs.)
1	Non-Recurring	--
2	Recurring	
	Chemicals and glassware	55000
	Characterization of compounds	20000
	Total Rs.	75000

Terms and conditions :

- 1) You have to maintain the stock book / record of the expenditure of your project.
- 2) The bills of the items purchased should be submitted to office and office will pay to the vendor directly.



(Prof. P. V. Tekade)

Principal
Bajaj College Of Science
Wardha

Copy to :

- 1) The Coordinator, Internal Quality Assurance Cell, Bajaj College of Science, Wardha
- 2) The Convener, Research and Development Cell, Bajaj College of Science, Wardha.

3) Head, Dept. of Chemistry, 305

4) Account section

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UDIAS No. 27080800106

Ref No. BC/2023-24/R&D-Seed Money/ 454

Date : 21/11/2023

To,
Dr. Satishkumar Maurya,
Assistant Professor (CHB), Department of Botany,
Bajaj College of Science, Wardha.

Subject : Sanction of Financial assistance to the Minor Research Project entitled "*Isolation of local strains of Beauveria bassiana to understand its molecular diversity and to test their bio-efficacy against various crop herbivorous insects*" under Seed Money Scheme -2023 of Bajaj College of Science, Wardha.

Reference : 1) This office letter No. BC/2023-24/R&D-Seed money dated 25/09/2023
2) Your application for Seed Money BCS/IQAC/2023-24/072 dated 30/10/2023.
3) Presentations followed by personal interview held on 08/11/2023.

Dear Sir,

I am glad to inform you about the sanction of Minor Research Project under Seed Money Scheme - 2023 of Bajaj College of Science, Wardha. The selection committee has recommended and approved the grant of Rs. 1,00,000/- (Rupees One Lakh only) for your project proposal entitled "*Isolation of local strains of Beauveria bassiana to understand its molecular diversity and to test their bio-efficacy against various crop herbivorous insects*". The duration of your Minor Research Project shall be of two years from the date of sanction. Kindly refer Seed Money Policy – 2023 of Bajaj College of Science, Wardha for further details. Please note that in case you resign / left the job, Co-principal investigator Dr. D.D. Naik will take over the charge of the project.

You are required to submit the utilization certificate and statement of expenditure for the allocated amount for the following budget heads as per your application.

S.No.	Head	Total Sanctioned amount (Rs.)
1	Non-Recurring Mini spin : for DNA isolation and PCR mix preparation	40000
2	Recurring	
	Chemicals / Consumables	20000
	Contingency / sequencing services	40000
	Total Rs.	100000

Terms and conditions :

- 1) You have to maintain the stock book / record of the expenditure of your project.
- 2) The bills of the items purchased should be submitted to office and office will pay to the vendor directly.

Copy to :

- 1) Dr. D.D. Naik, Co-Principal Investigator, Asst. Professor, Dept. of Botany, Bajaj College of Science, Wardha.
- 2) The Coordinator, Internal Quality Assurance Cell, Bajaj College of Science, Wardha.
- 3) The Convenor, Research and Development Cell, Bajaj College of Science, Wardha.



(Prof. P.V. Tekade)

Principal
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4) Head, Department of Botany.
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Ref No. BC/2023-24/R&D-Seed Money/455

Date : 21/11/2023

To,
Mr. P.S.Kalwade
Assistant Professor (CHB), Department of Zoology,
Bajaj College of Science, Wardha.

Subject : Sanction of Financial assistance to the Minor Research Project entitled "*Investigating the feasibility of Rearing Silkworms (Bombyx mori) on Artificial Diets and user of nano particles for Fungicidal activity for Sustainable Silk Production*" under Seed Money Scheme -2023 of Bajaj College of Science, Wardha.

Reference : 1) This office letter No. BC/2023-24/R&D-Seed money dated 25/09/2023
2) Your application for Seed Money BCS/IQAC/2023-24/076 dated 25/10/2023.
3) Presentations followed by personal interview held on 08/11/2023.

Dear Sir,

I am glad to inform you about the sanction of Minor Research Project under Seed Money Scheme - 2023 of Bajaj College of Science, Wardha. The selection committee has recommended and approved the grant of Rs. 85,000/- (Rupees Eighty Five Thousand only) for your project proposal entitled "*Investigating the feasibility of Rearing Silkworms (Bombyx mori) on Artificial Diets and user of nano particles for Fungicidal activity for Sustainable Silk Production*". The duration of your Minor Research Project shall be of two years from the date of sanction. Kindly refer Seed Money Policy – 2023 of Bajaj College of Science, Wardha for further details. Please note that in case you resign / left the job, your project should be continued by Co principal investigator, hence you are required to propose the name of Co-Principal Investigator for your project from your department.

You are required to submit the utilization certificate and statement of expenditure for the allocated amount for the following budget heads as per your application.

S.No.	Head	Total Sanctioned amount (Rs.)
1	Non-Recurring	--
2	Recurring	
	Silkworm eggs	10000
	Infrastructural set-up for rearing silkworm	10000
	Chemicals and Consumables	45000
	Characterization of nanoparticles	20000
	Total Rs.	85000

Terms and conditions :

- 1) You have to maintain the stock book / record of the expenditure of your project.
- 2) The bills of the items purchased should be submitted to office and office will pay to the vendor directly.



(Prof. P.V. Tekade)
Principal
Bajaj College Of Science
Wardha

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Ref No. BC/2023-24/R&D-Seed Money/ 456

Date : 21/11/2023

To,
 Dr. A.V. Nakhate,
 Assistant Professor, Department of Chemistry,
 Bajaj College of Science, Wardha.

Subject : Sanction of Financial assistance to the Minor Research Project entitled "*Optimizing precious metal atom efficiency : Advancing single-atom palladium catalysts for sustainable C-C cross-coupling reactions in chemical industry*" under Seed Money Scheme -2023 of Bajaj College of Science, Wardha.

Reference : 1) This office letter No. BC/2023-24/R&D-Seed money dated 25/09/2023
 2) Your application for Seed Money BCS/IQAC/2023-24/073 dated 30/10/2023.
 3) Presentations followed by personal interview held on 08/11/2023.

Dear Sir,

I am glad to inform you about the sanction of Minor Research Project under Seed Money Scheme - 2023 of Bajaj College of Science, Wardha. The selection committee has recommended and approved the grant of Rs. 90,000/- (Rupees Ninety Thousand only) for your project proposal entitled "*Optimizing precious metal atom efficiency : Advancing single-atom palladium catalysts for sustainable C-C cross-coupling reactions in chemical industry*". The duration of your Minor Research Project shall be of two years from the date of sanction. Kindly refer Seed Money Policy – 2023 of Bajaj College of Science, Wardha for further details.

You are required to submit the utilization certificate and statement of expenditure for the allocated amount for the following budget heads as per your application.

S.No.	Head	Total Sanctioned amount (Rs.)
1	Non-Recurring	--
2	Recurring	
	Chemicals and Reactor	40000
	Characterizations of catalysts	50000
	Total Rs.	90000

Terms and conditions :

- 1) You have to maintain the stock book / record of the expenditure of your project.
- 2) The bills of the items purchased should be submitted to office and office will pay to the vendor directly.



(Prof. P.V. Tekade)
 Principal
 Bajaj College Of Science
 Wardha

Copy to :

- 1) The Coordinator, Internal Quality Assurance Cell, Bajaj College of Science, Wardha.
- 2) The Convenor, Research and Development Cell, Bajaj College of Science, Wardha.

3) Head, Department of Chemistry
 4) Account Section

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UDIAS No. 27080800106

Ref No. BC/2023-24/R&D-Seed Money/457

Date : 21/11/2023

To,
Dr. N.A. Barwat,
Assistant Professor, Department of Chemistry,
Bajaj College of Science, Wardha.

Subject : Sanction of Financial assistance to the Minor Research Project entitled "*Synthesis of nano-composites for applications in supercapacitors*" under Seed Money Scheme -2023 of Bajaj College of Science, Wardha.

Reference : 1) This office letter No. BC/2023-24/R&D-Seed money dated 25/09/2023
2) Your application for Seed Money BCS/IQAC/2023-24/074 dated 30/10/2023.
3) Presentations followed by personal interview held on 08/11/2023.

Dear Sir,

I am glad to inform you about the sanction of Minor Research Project under Seed Money Scheme - 2023 of Bajaj College of Science, Wardha. The selection committee has recommended and approved the grant of Rs. 65,000/- (Rupees Sixty Five Thousand only) for your project proposal entitled "*Synthesis of nano-composites for applications in supercapacitors*". The duration of your Minor Research Project shall be of two years from the date of sanction. Kindly refer Seed Money Policy – 2023 of Bajaj College of Science, Wardha for further details.

You are required to submit the utilization certificate and statement of expenditure for the allocated amount for the following budget heads as per your application.

S.No.	Head	Total Sanctioned amount (Rs.)
1	Non-Recurring	--
2	Recurring	
	Chemicals	35000
	Characterizations	30000
	Total Rs.	65000

Terms and conditions :

- 1) You have to maintain the stock book / record of the expenditure of your project.
- 2) The bills of the items purchased should be submitted to office and office will pay to the vendor directly.



(Prof. 
Principal)
Bajaj College Of Science
Wardha

Copy to :

- 1) The Coordinator, Internal Quality Assurance Cell, Bajaj College of Science, Wardha.
- ✓ 2) The Convenor, Research and Development Cell, Bajaj College of Science, Wardha.
- 3) Head, Department of Chemistry
- 4) Account Section

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Ref No. BC/2023-24/R&D-Seed Money/ 458

Date : 21/11/2023

To,
Dr. M.D. Bansinge,
Assistant Professor, Department of Chemistry,
Bajaj College of Science, Wardha.

Subject : Sanction of Financial assistance to the Minor Research Project entitled "*Adsorption studies of toxic elements on chemically modified agricultural waste and their application in industrial effluent treatment*" under Seed Money Scheme -2023 of Bajaj College of Science, Wardha.

Reference : 1) This office letter No. BC/2023-24/R&D-Seed money dated 25/09/2023
2) Your application for Seed Money BCS/IQAC/2023-24/075 dated 30/10/2023.
3) Presentations followed by personal interview held on 08/11/2023.

Dear Sir,

I am glad to inform you about the sanction of Minor Research Project under Seed Money Scheme - 2023 of Bajaj College of Science, Wardha. The selection committee has recommended and approved the grant of Rs. 40,000/- (Rupees Forty Thousand only) for your project proposal entitled "*Adsorption studies of toxic elements on chemically modified agricultural waste and their application in industrial effluent treatment*". The duration of your Minor Research Project shall be of two years from the date of sanction. Kindly refer Seed Money Policy – 2023 of Bajaj College of Science, Wardha for further details.

You are required to submit the utilization certificate and statement of expenditure for the allocated amount for the following budget heads as per your application.

S.No.	Head	Total Sanctioned amount (Rs.)
1	Non-Recurring	--
2	Recurring	
	Consumables and sample testing services	40000
	Total Rs.	40000

Terms and conditions :

- 1) You have to maintain the stock book / record of the expenditure of your project.
- 2) The bills of the items purchased should be submitted to office and office will pay to the vendor directly.

(Prof. P.V. Tekade)
Principal
Bajaj College of Science
Wardha

Copy to :

- 1) The Coordinator, Internal Quality Assurance Cell, Bajaj College of Science, Wardha.
- 2) The Convenor, Research and Development Cell, Bajaj College of Science, Wardha.
- 3) Head, Department of chemistry
- 4) Account section

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UDIAS No. 27080800106

Ref No. BC/2023-24/R&D-Seed Money
letter dated 25/09/2023

Date : 08/11/2023

Evaluation Sheet for Research Projects under Seed Money Scheme 2023-2024

Sr No	Application Number	Name, Designation and Department of Principal Investigator	Title of the Project	Cost of project	Sanctioned Amount	Remark
1	BCS/IQAC/2023-24/070	Dr. A. A. Maheshwari Assistant Professor Department of Botany	To evaluate phytotoxic effect of essential oils from selected plants against weeds and its possible use as bioherbicide.	1.3 Lakh	80,000/-	Selected
2	BCS/IQAC/2023-24/071	Dr. Saikat Biswas Assistant Professor Department of Zoology	Nanotechnology in agriculture: Leveraging nanoparticles as biopesticides against insect pests.	2 Lakh	65,000/-	Selected
3	BCS/IQAC/2023-24/072	Dr. Satishkumar Maurya Assistant Professor (CHB) Department of Botany	Isolation of local strains of <i>Beauveria bassiana</i> to understand its molecular diversity and to test their bio-efficacy against various crop herbivorous insects.	2 Lakh	1,00,000/-	Selected
4	BCS/IQAC/2023-24/073	Dr. Akhil V. Nakhate Assistant Professor Department of Chemistry	Optimizing precious metal atom efficiency: Advancing single-atom palladium catalysts for sustainable C-C cross-coupling reactions in chemical industry.	1 Lakh	90,000/-	Selected
5	BCS/IQAC/2023-24/074	Mr. Nakul A. Barwat Assistant Professor Department of Chemistry	Synthesis of nano-composites for applications in supercapacitors	1 Lakh	65,000/-	Selected
6	BCS/IQAC/2023-24/075	Mr. Manoj D. Bansinge Assistant Professor Department of Chemistry	Adsorption studies of toxic elements on chemically modified agricultural waste and their application in industrial effluent treatment.	1.1 Lakh	40,000/-	Selected

(Handwritten signatures)

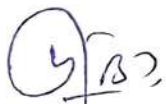
7	BCS/IQAC/ 2023-24/076	Mr. Praful S. Kalwade, Assi. Professor (Contract) Department of Zoology	Investigating the Feasibility of Rearing Silkworms (Bombyx mori) on Artificial Diets and use of nanoparticle for Fungicidal activity for Sustainable Silk Production.	1 Lakh	85,000/-	Selected
8	BCS/IQAC/ 2023-24/077	Dr. Prashant G. Borkar Assistant Professor Department of Chemistry	Mechanistic study of cooperative catalysis between Lewis acid and Brønsted acid in Pictet-Spangler reaction of tryptophol and aldehydes.	1 Lakh	75,000/-	Selected



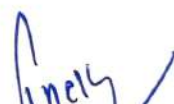
(Dr. Vikas Chaudhary)
Evaluation Expert,
Selection committee for seed money
Principal Scientific officer,
Rural Chemical Industries Division,
MGIRI, Wardha



(Dr. M. R. Chandrakar)
Evaluation Expert,
Selection committee for seed money
Head, Dept. of Zoology
Bajaj College of Science, Wardha



(Dr. P. A. Saudagar)
Member,
Selection Committee for seed money
IQAC-Coordinator
Bajaj College of Science, Wardha



(Dr. P. V. Tekade)
Chairman,
Selection Committee for seed money
Principal
Bajaj College of Science, Wardha
Bajaj College of Science
Wardha