

ASPARTIKA BIOTECH PRIVATE LIMITED

Date: 1st, September 2018.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Gajbhiye Sanjana student of BE in Biotechnology from Sir M Visvesvaraya Institute of Technology have successfully completed internship during the period (9th July,2018 - 29th August,2018). Her performance was appreciable.

We wish her success in all her future endeavors.



Authorized Signatory

GSTIN: 29AANCA3338F1ZK

CIN: U24232KA2015PTC079484

R & D UNIT:

TECHNOLOGY INCUBATION CENTRE, SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY CAMPUS,
HUNASAMARANAHALLI, INTERNATIONAL AIRPORT ROAD, BANGALORE-562 157
PH: 080-28467735

ASPARTIKA BIOTECH PRIVATE LIMITED

Date: 1st, September 2019.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Shaikh Faqrunnisha student of BE in Biotechnology from Sir M Visvesvaraya Institute of Technology has successfully completed internship during the period (9th July, 2018 - 17th August, 2018). Her performance was appreciable.

We wish her success in all her future endeavors.



Authorized Signatory

GSTIN: 29AANCA3338F1ZK

CIN: U24232KA2015PTC079484

R & D UNIT:

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HUNASAMARANAHALLI, INTERNATIONAL AIRPORT ROAD, BANGALORE-562 157
PH: 080-28467735

www.aspartika.com

Email: aspartika.india@gmail.com

info@aspartika.com

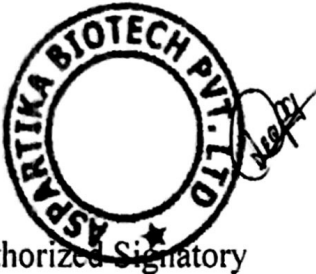
ASPARTIKA BIOTECH PRIVATE LIMITED

Date: 18th August, 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Sneha M (USN No: IMV15BT036), student of Sir M Visvesvaraya Institute of Technology, Bangalore, has successfully completed her internship entitled, "BASIC TECHNIQUES IN ANALYSIS OF AGRICULTURAL WASTES" during the period 9th July, 2018 - 5th August, 2018.

We wish her success for all of her future endeavors.



Authorized Signatory

GSTIN: 29AANCA3338F1ZK

CIN: U24232KA2015PTC079484

R & D UNIT:

TECHNOLOGY INCUBATION CENTRE, SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY CAMPUS,
HUNASAMARANAHALLI, INTERNATIONAL AIRPORT ROAD, BANGALORE-562 157
PH: 080-28467735

ASPARTIKA BIOTECH PRIVATE LIMITED

Date: 16 /03/2020

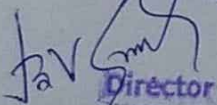
Ref: 01/20/HR-008

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the internship entitled “**HANDS ON TRAINING ON INSTRUMENTATION AND METHOD DEVELOPMENT FOR EVALUATION OF HERBAL EXTRACTS**” is a bonafied work carried out by Ms. Pratheesha (USN:1MV17BT018) student of B.E Biotechnology from Sir M Visvesvaraya Institute of Technology, Bangalore. She has successfully completed 2months (7th Jan 2020-14th March) internship programme. During the period of her internship programme with us, her performance was appreciable.

We wish her success in all her future endeavors.

For ASPARTIKA BIOTECH PVT. LTD


Director

Authorized Signatory

GSTIN: 29AANCA3338F1ZK

CIN: U24232KA2015PTC079484

R & D UNIT:
TECHNOLOGY INCUBATION CENTRE, SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY CAMPUS,
HUNASAMARANAHALLI, INTERNATIONAL AIRPORT ROAD, BANGALORE-562 157
PH: 080-28467735

ASPARTIKA BIOTECH PRIVATE LIMITED

Ref: 01/20/HR-009

Date: 16 /03/2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the internship entitled “HANDS ON TRAINING ON INSTRUMENTATION AND METHOD DEVELOPMENT FOR EVALUATION OF HERBAL EXTRACTS” is a bonafied work carried out by Mr. Rangon Dutta (USN:1MV17BT021) student of B.E Biotechnology from Sir M Visvesvaraya Institute of Technology, Bangalore. He has successfully completed 2 months (7th Jan 2020-14th March) internship programme. During the period of his internship programme with us, his performance was appreciable.

We wish him success in all of his future endeavors.


Authorized Signatory

GSTIN: 29AANCA3338F1ZK

CIN: U24232KA2015PTC079484

R & D UNIT:
TECHNOLOGY INCUBATION CENTRE, SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY CAMPUS,
HUNASAMARANAHALI, INTERNATIONAL AIRPORT ROAD, BANGALORE-562 157
PH: 080-28467735

ASPARTIKA BIOTECH PRIVATE LIMITED

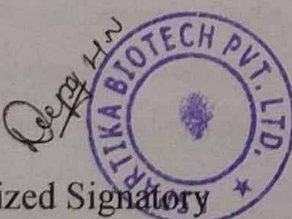
Ref: 01/20/HR-010

Date: 16 /03/2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the internship entitled “HANDS ON TRAINING ON INSTRUMENTATION AND METHOD DEVELOPMENT FOR EVALUATION OF HERBAL EXTRACTS” is a bonafied work carried out by Ms. Sahana S (USN:1MV17BT024) student of B.E Biotechnology from Sir M Visvesvaraya Institute of Technology, Bangalore. She has successfully completed 2months (7th Jan 2020-14th March) internship programme. During the period of her internship programme with us, her performance was appreciable.

We wish her success in all her future endeavors.


Authorized Signatory

GSTIN: 29AANCA3338F1ZK

CIN: U24232KA2015PTC079484

R & D UNIT:
TECHNOLOGY INCUBATION CENTRE, SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY CAMPUS,
HUNASAMARANAHALLI, INTERNATIONAL AIRPORT ROAD, BANGALORE-562 157
PH: 080-28467735

INTERNSHIP CERTIFICATES



ASPARTIKA BIOTECH PRIVATE LIMITED

CIN: U24232KA2015PTC079484

Ref: ASP/09/HR-002/2021-22

Date: 25/09/21

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the internship entitled "**HANDS ON TRAINING ON GAS CHROMATOGRAPHY ANALYSIS AND EXTRACTION TECHNIQUES**" is a bonafide work carried out by Mr. ABHISHEK (USN: 1MV18BT001) student of B.E Biotechnology, from Sir M Visvesvaraya Institute of Technology, Bangalore. He has successfully completed, one month (24th Aug 2021-24th Sep 2021) internship programme. During the period of his internship program with us, his performance was appreciable.

We wish him success in all his future endeavours.

Authorized Signatory



R & D UNIT:
TECHNOLOGY INCUBATION CENTRE, SIR M.
VISVESVARAYA INSTITUTE OF TECHNOLOGY CAMPUS,
HUNASAMARANAHALLI, INTERNATIONAL AIRPORT ROAD,
BANGALORE-562 157

REGISTERED OFFICE & PRODUCTION UNIT:
SHED NO 07, DODDABALLAPUR INTEGRATED
TEXTILE PARK LTD, SW-51, APPAREL PARK,
PHASE II, KIADB DODDABALLAPUR BANGALORE
RURAL - 561203

Contact No: +91 9538730365

www.aspartika.com

Email: aspartika.india@gmail.com

info@aspartika.com



ASPARTIKA BIOTECH PRIVATE LIMITED

Reference No: ASP/11/HR-004/22-23

Date: 10-11-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the internship entitled “**HANDS ON TRAINING ON EXTRACTION OF PHYTOCOMPOUNDS AND ITS APPLICATIONS**” is a bonafied work carried out by **Ms. Chathurthy** (USN:1MV19BT005) student of B.E Biotechnology from Sir M Visvesvaraya Institute of Technology, Bangalore. She has successfully completed one month (22nd Aug 2022 - 22nd Sep 2022) internship programme. During the period of her internship programme with us, her performance was appreciable.

We wish her success in all her future endeavours.

Authorized Signatory

For ASPARTIKA BIOTECH PRIVATE LIMITED


DIRECTOR

GSTIN: 29AANCA3338F1ZK

CIN: U24232KA2015PTC079484

R & D UNIT:
TECHNOLOGY INCUBATION CENTRE, SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY CAMPUS,
HUNASAMARANA HALLI, INTERNATIONAL AIRPORT ROAD, BANGALORE-562 157
PH: 080-28467735

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Email: aspartika.india@gmail.com

info@aspartika.com



ASPARTIKA BIOTECH PRIVATE LIMITED

Reference No: ASP/11/HR-005/22-23

Date: 10-11-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the internship entitled “HANDS ON TRAINING ON EXTRACTION OF PHYTOCOMPOUNDS AND ITS APPLICATIONS” is a bonafied work carried out by **Mr. Rohan Thomas Cherian** (USN:1MV19BT019) student of B.E Biotechnology from Sir M Visvesvaraya Institute of Technology, Bangalore. He has successfully completed one month (22nd Aug 2022 - 22nd Sep 2022) internship programme. During the period of his internship programme with us, his performance was appreciable.

We wish him success in all his future endeavours.

Authorized Signatory

For ASPARTIKA BIOTECH PRIVATE LIMITED

A handwritten signature in blue ink, appearing to read 'Dr. V. V. V.', is written over a rectangular stamp. The stamp contains the word 'DIRECTOR' in capital letters.

GSTIN: 29AANCA3338F1ZK

CIN: U24232KA2015PTC079484

R & D UNIT:
TECHNOLOGY INCUBATION CENTRE, SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY CAMPUS,
HUNASAMARANAHALLI, INTERNATIONAL AIRPORT ROAD, BANGALORE-562 157
PH: 080-2846 7735

www.aspartika.com

Email: aspartika.india@gmail.com

info@aspartika.com



ASPARTIKA BIOTECH PRIVATE LIMITED

Reference No: ASP/11/HR-006/22-23

Date: 10-11-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the internship entitled "HANDS ON TRAINING ON EXTRACTION OF PHYTOCOMPOUNDS AND ITS APPLICATIONS" is a bonafied work carried out by **Ms Trisha C** (USN:1MV19BT028) student of B.E Biotechnology from Sir M Visvesvaraya Institute of Technology, Bangalore. She has successfully completed one month (22nd Aug 2022 - 22nd Sep 2022) internship programme. During the period of her internship programme with us, her performance was appreciable.

We wish her success in all her future endeavours.

Authorized Signatory

For ASPARTIKA BIOTECH PRIVATE LIMITED

A handwritten signature in blue ink, appearing to read 'Dr. V. V. V.', is written over a rectangular stamp. The stamp contains the word 'DIRECTOR' in capital letters.

GSTIN: 29AANCA3338F1ZK

CIN: U24232KA2015PTC079484

R & D UNIT:
TECHNOLOGY INCUBATION CENTRE, SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY CAMPUS,
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Email: aspartika.india@gmail.com

info@aspartika.com



ASPARTIKA BIOTECH PRIVATE LIMITED

Reference No: ASP/11/HR-003/22-23

Date: 10-11-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the internship entitled “HANDS ON TRAINING ON EXTRACTION OF PHYTOCOMPOUNDS AND ITS APPLICATIONS” is a bonafied work carried out by **Ms. U Aishwarya** (USN:1MV19BT030) student of B.E Biotechnology from Sir M Visvesvaraya Institute of Technology, Bangalore. She has successfully completed one month (22nd Aug 2022 - 22nd Sep 2022) internship programme. During the period of her internship programme with us, her performance was appreciable.

We wish her success in all her future endeavours.

Authorized Signatory

For ASPARTIKA BIOTECH PRIVATE LIMITED


DIRECTOR

GSTIN: 29AANCA3338F12K

CIN: U24232KA2015PTC079484

R & D UNIT:
TECHNOLOGY INCUBATION CENTRE, SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY CAMPUS,
HUNASAMARANAHALLI, INTERNATIONAL AIRPORT ROAD, BANGALORE-562 157
PH: 080-28467735

www.aspartika.com

Email: aspartika.india@gmail.com

info@aspartika.com



Biotechnology Industry Research Assistance Council

(A Government of India Enterprise)

31.3.2016

To,

Mr. Srinivas B V

Director & Project Coordinator,

Aspartika Biotech Pvt Ltd

3221, I Floor, I Main,

7th Cross, Nagamma Layout, Kavalbyrasandra, R T Nagar Post, Bengalure, Karnataka -

560 032

shrinivasan.v.bandlamori@gmail.com

Dr. Nagendra H.G.

Professor And Head

Sir M Visvesvaraya Institute of Technology

International Airport Road,

Hunasamaranahalli, Bangalore - 562 157

Ref: BIPP Project Title "Establishment of pilot-scale Supercritical Fluid Extraction unit for nutraceutical and cosmeceutical products development"

Dear Mr. Srinivas,

With reference to your above mentioned BIPP Proposal, we are pleased to inform that your proposal has been approved by BIRAC at a total cost of Rs.201.00 lakhs with BIPP support of Rs.85.70 lakhs to Company and Rs.24.60 lakhs to Sir M Visvesvaraya Institute of Technology and Company contribution of Rs.90.70 lakhs for 24 months as per the terms of the Grant in Aid Letter Agreement (GLA) enclosed

If you are in acceptance with the terms of funding support as mentioned in the GLA, the following documents should be executed within a time period of four weeks from the date of issue of this communication

- **Grant-in-aid Letter Agreement (GLA):** All pages including Schedules (**coloured printout only**) to be clearly initialled by the company and collaborator. The Company should affix the Company common seal on the signature page to the GLA and seal of the Institute to be affixed in the same page.
- **Royalty Agreement:** Executed on Rs. 200/- Non-Judicial Stamp Paper, all pages to be clearly initialled and the Company should affix the Company common seal on the signature page. (2 sets to be provided)
- **Board resolution** from the Company in the prescribed format of BIRAC with satisfying one of the conditions listed:

Common seal must be affixed

Two directors signatures to be affixed

Signatures of one Director and one CS

No lien document on the Bank's letter head to be submitted by the Company with regard to specific project account in the prescribed format of BIRAC. As per terms mentioned in Schedule 1 of the GLA the company shall keep the Grant-in-aid assistance and their project contribution in separate No-lien account. Hence company has to open a separate No-Lien account of Rs.176.40 lakhs for both i.e. Company's contribution + BIRAC funding. (template enclosed for reference).



H. G. Nagendra
Dr. H.G. Nagendra
Professor & Head

Srinivas B V
Srinivas B V

- The No-Lien account should be opened in the Bank that provides Cheque Book Facility. Copy of cancelled cheque to be provided along with GLA.
- **Letter of Authorisation:** LOA is required from institute in favour of person who is executing the GLA on behalf of the institute. This may kindly be provided as per the prescribed format of BIRAC.
- **IP Details:** The background information on IP may be provided by the company. If there are no details please fill "NIL".

The Grant-in-Aid Letter agreement has been executed by BIRAC kindly take a colour printout of the GLA and the schedules (two copies BIRAC & Company) and execute the same from your end.

The first instalment of fund release will be made only after completion of all these formalities and upon submission of above mentioned documents as per norms.

Note: Non conveyance of the acceptance within four weeks will render the present offer of funding support infructuous and the project will be treated as withdrawn.

For Biotechnology Industry Research Assistance Council

Sanjay Saxena
(Dr. Sanjay Saxena)
Head Investment

H. G. Nagendra

Dr H.G. Nagendra
Professor & Head
Department of Biotechnology
Sir M. Visvesvaraya Institute of Technology
BANGALORE - 562157



B. V. G. M. S.





Biotechnology Industry Research Assistance Council

(A Government of India Enterprise)

File Ref. No. BT/BIPP0927/35/15

Dated : 31.3.2016

Subject: Funding of Project entitled "Establishment of pilot-scale Supercritical Fluid Extraction unit for nutraceutical and cosmeceutical products development" for funding under -BIPP

GRANT-IN-AID LETTER AGREEMENT

This Grant-in-aid Letter Agreement (hereinafter called as "GLA") is between Biotechnology Industry Research Assistance Council, a Government of India enterprise, incorporated under the Companies Act, 1956 having its office at 1st Floor, MTNL Building, 9, CGO Complex, Lodhi Road, New Delhi- 110003 (the "BIRAC") and the Recipients mentioned below for research "Establishment of pilot-scale Supercritical Fluid Extraction unit for nutraceutical and cosmeceutical products development"

1. Recipient(s) and Designated Project Investigator(s):

S. No.	Recipient(s)	Designated Project Investigator
1	M/s Aspartika Biotech Pvt Ltd, a Company incorporated under the Companies Act, 2013 having its registered office at # 3221, I Floor, I Main, 7 th Cross, Nagamma Layout, Kavalbyrasandra, R T Nagar Post, Bengalure, Karnataka - 560 032, 91-80-28467735, 91-9538730365, hereinafter referred to as the "Company" (which expression shall wherever the context so admits include its successors in interest, liquidators, administrators and permitted assignees).	Mr. Srinivas B V Director & Project Coordinator, Aspartika Biotech Pvt Ltd # 3221, I Floor, I Main, 7 th Cross, Nagamma Layout, Kavalbyrasandra, R T Nagar Post, Bengalure, Karnataka - 560 032 shrinivasan.v.bandlamori@gmail.com
2	M/s Sir M Visvesvaraya Institute of Technology, an Institute affiliated to Visvesvaraya Technological University, Belagavi having its office at Krishnadevaraya Nagar, Hunsamaranahalli, Off International Airport Road, Bengaluru - 562 157; 91-080-28467248, 91-9880129751, www.sirmvit.edu, hereinafter referred to as the "Institute" (which expression shall wherever the context so admits include its successors in interest, liquidators, administrators and	Dr. Nagendra H.G. Professor And Head Sir M Visvesvaraya Institute of Technology International Airport Road, Hunasamaranahalli, Bangalore - 562 157



[Signature]
Dr H.G. Nagendra

Professor & Head

[Signature]
Saijy Saxena



2. Aims & Objectives:

The detailed aims and the objectives that are to be executed by the aforesaid are as per the detailed Project document, submitted including revisions / modifications incorporated therein (hereinafter called as "Project") and appended herein as Schedule 3.

The main objectives proposed to be achieved from the project are enumerated hereunder:

- i. Procurement and purchase of the supercritical extraction facility and extraction of oil rich in omega-3 fatty acid from silkworm pupae
- ii. Enrichment of oil with omega-3 fatty acids
- iii. Deoiled cake utilization for various end uses

3. Project Duration: The Recipients shall complete the Project within the stipulated period of **24** months from the date of acceptance of the GLA (and execution of the Royalty Agreement in case of BIPP) by all the recipients. In the event the Parties affix their signatures to this GLA on separate dates, the GLA shall be effective from the date on which the last set of signature is affixed thereto ("**Effective Date**"). Project Duration is subject to the Change order(s) issued by the BIRAC from time to time.

4. Project Implementation Site:

Technology Incubation Center,
Sir M Visvesvaraya Institute of Technology Campus,
KHRC Building, Krishnadevaraya Nagar,
Off International Airport Road, Bengaluru-562157

5. Project Cost and Contribution: The total estimated cost of the Project is **Rs. 201.00** Lakhs (Rupees Two Hundred One Lakhs only). The contribution of BIRAC is **Rs. 110.30** Lakhs (Rupees One Hundred Ten Lakhs and Thirty Thousand only) as Grant-in-aid towards the Project. The contribution of BIRAC is **Rs. 85.70** Lakhs (Rupees Eighty-Five Lakhs and Seventy Thousand only) as Grant-in-aid to the **Aspartika Biotech Pvt Ltd**. The contribution of BIRAC is **Rs. 24.60** Lakhs (Rupees Twenty-Four Lakhs and Sixty Thousand only) as Grant-in-aid to the **Sir M Visvesvaraya Institute of Technology**. The amount put in by the Company is **Rs. 90.70** Lakhs (Rupees Ninety Lakhs and Seventy Thousand only) on the terms and conditions detailed in this GLA.

6. BIRAC Budget break-up:

Budget Head	Contribution by the Applicant Company and Collaborators, if any	Support under BIRAC to		Total BIRAC Support	Total
		Aspartika Biotech Pvt Ltd	Sir M Visvesvaraya Institute of Technology		
(Rs.in Lakhs)					
Non-recurring	90.70	62.50	16.00	78.50	169.20
Recurring	0.00	23.20	8.60	31.80	31.80
Total	90.70	85.70	24.60	110.30	201.00
		Loan	GIA	Loan	GIA
		--NA--	85.70	--NA--	24.60

Page 2 of 18



H. G. Nagendra

Dr H.G. Nagendra
Professor & Head
Department of Biotechnology
Sir M. Visvesvaraya Institute of Technology
BANGALORE - 562157

Sanjay Saxena



BUDGET Break-up Recurring(Rs In Lakhs)				
Recurring items	Contribution by Aspartika Biotech Pvt Ltd	Contribution by BIRAC to Aspartika Biotech Pvt Ltd	Contribution by BIRAC to Sir M Visvesvaraya Institute of Technology	Total
Manpower	0.00	7.20	3.60	10.80
Consumables	0.00	7.50	2.50	10.00
Travel	0.00	1.50	0.50	2.00
Operating Cost	0.00	1.00	1.00	2.00
Contingency & Others	0.00	1.00	1.00	2.00
Outsourcing	0.00	5.00	0.00	5.00
Total	0.00	23.20	8.60	31.80

Details Of Equipment Proposed To Be Acquired Through Companys Contribution

S.No	Infrastructure/Equipment	Capacity	Quantity	Specific Requirement In The Project	Estimated Value (Rs. In Lakhs)
1	Supercritical fluid extractor	100	1	Extraction of oil and herbs	90.70
Total :					90.70
Accessories To Be Acquired (Rs in Lakhs) :					0.00

Details Of Equipment Proposed To Be Acquired Through BIRAC Contribution For Applicant Company

S.No	Infrastructure/Equipment	Capacity	Quantity	Specific Requirement In The Project	Estimated Value (Rs.In Lakhs)
1	HPLC	1	100	Testing of the products developed	20.00
2	Spray drier	100	200	Removal of moisture from the raw materials and preservation	8.90

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Dr H.G. Nagendra
 Professor & Head
 Department of Biotechnology
 Sir M. Visvesvaraya Institute of Technology
 BANGALORE - 562157

Sanjay Saxena



2	Spray drier	100	200	Removal of moisture from the raw materials and preservation	8.90
3	Packing machine for oil, cake and extracts of silkworm pupa and herbs	200	220	Packing of herbal extracts, oil, cake etc	3.10
4	Sonicator	3	2	For analysis before hplc or gc	3.30
5	Homogenizer and storage tank SS316	200	1	for mixing of oils and formulation of liquids and storage	4.30
6	Sieving machine GMP compliant	1	1	Sieving of silkworm pupa	1.75
7	Pulverizer GMP compliant	1	1	For size reduction of silkworm pupa	3.40
8	Tray drier	100	1	For removal of moisture	3.10
9	Feed pellet making machine	100	1	Formulation of poultry feed and pet products	2.45
10	Rotary evaporator	4	1	Studies on extracts of silkworm pupa, concentration of oil	3.50
11	Millipore water purification unit	100	1	For routine lab requirement	5.00
12	Deep Freezer	200	1	For storage	0.40
13	analytical balance	220	1	For routine lab activities	1.00
14	Viscosity meter	2	1	For testing of pupa oil	2.30
Total :62.50					
Accessories To Be Acquired (Rs in Lakhs):					0.00

Details Of Equipment Proposed To Be Acquired Through BIRAC Contribution For Institute

S.No	Equipment	Capacity	Quantity	Name Of The Collaborator For Whom The Equipment Is Requested	Specific Requirement In The Project With Justification	Estimated Value (Rs. In Lakhs)
1	Gas chromatography	100	1	Sir M Visvesvaraya	Testing of finished goods	16.00

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H.G. Nagendra
Dr H.G. Nagendra
 Professor & Head
 Department of Biotechnology
 Sir M. Visvesvaraya Institute of Technology
 BANGALORE - 562157



			Institute of Technology		
					Total : 16.00

Institute Accessories Details

S.No	Collaborator Name	Accessories To Be Acquired (Rs in Lakhs)
1	Sir M Visvesvaraya Institute of Technology	0.00

7. Milestones/Timelines

Sr. No.	Milestone(s)	Month of end of activity	Amount (Rs. In Lakhs)
1	Acceptance of Undertaking under GLA and execution of Royalty Agreement under BIPP	0	60.30
2	Drying time studies of silk worm pupae, determination of appropriate particle size requirement etc.	6	40.20
3	Quantification and identification of omega-3 fatty acid by GC/GCMS	18	40.20
4	Analysis of meat, egg etc. with respect to omega fatty acid and Utilization of the protein from de-oiled cake	23	40.20
5	Submission of final completion report and consolidated Utilization Certificate (UC) and Statement of Expenses (SOE)	24	20.10
Total			201.00

8. Periodic Payment/Release Arrangements of the project support based on milestones

Installment	Contribution by Aspartika Biotech Pvt Ltd	Contribution by BIRAC to Aspartika Biotech Pvt Ltd	Contribution by BIRAC to Sir M Visvesvaraya Institute of Technology	Total(Rs. in Lakhs)
1	27.21	25.70	7.38	60.30
2	18.14	17.14	4.92	40.20
3	18.14	17.14	4.92	40.20

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H. G. Nagendra
Dr. H.G. Nagendra
 Professor & Head
 Department of Biotechnology
 Sir M. Visvesvaraya Institute of Technology
 BANGALORE - 560017



4	18.14	17.14	4.92	40.20
5	9.07	8.58	2.46	20.10
Total	90.70	85.70	24.60	201.00

9. ** The recipient of the fund should convey their acceptance to the terms and conditions of this GLA within four (4) weeks of the issue of GLA failing which the present offer of the funding support will be considered as infructuous and the project will be treated as withdrawn.

10. Inclusion by Reference:

This GLA includes and incorporates by this reference:	<ul style="list-style-type: none"> - Terms and Conditions (Schedule 1) - Acceptance and Undertaking (Schedule 2) - Project document (Schedule 3) - Intellectual Property Governing Framework (Schedule 4) - ROYALTY AGREEMENT: Under the BIPP Scheme BIRAC and the Company shall enter into a distinct agreement with regard to governance of Royalty payment terms and associated conditions (Schedule 5)
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11. The Expenditure is debitable to **B.01** - Head of Accounts for the financial year 2015-16.


12. This issue with the approval of competent authority vides BFD No. 085/15-16 dated 31/3/16

13. The GLA has been noted at Serial No. 28 in the Register of Grant/Cost.

14. THIS GLA is between Biotechnology Industry Research Assistance Council ("BIRAC") and "Aspartika Biotech Pvt Ltd", and is effective as of the date of last signature. Each party to this GLA may be referred to individually as a "Party", Company and Institute together as "Fund Recipients" and all Party together as the "Parties." As a condition of this grant, the Parties enter into this GLA by having their authorized representatives sign below:

I) For and on behalf of BIRAC	
Signatures	<i>Sanjay Saxena</i>
Name	DR. SANJAY SAXENA
Designation	HEAD - INVESTMENT

Page 6 of 18

H.G. Nagendra

Dr H.G. Nagendra
 Professor & Head
 Department of Biotechnology
 Sir M. Visvesvaraya Institute of Technology
 BANGALORE - 562157



Official Seal



II) For and on behalf of M/s
...ASPARTIKA BIOTECH PVT LTD.... "the Company" duly
authorized vide Resolution No 02 dated 01/04/16 of its Board of
Directors.

Signature

Name

SRINIVAS. R.V.

Designation

Director

Company Common Seal

Witnesses

Signature

Name ASHWATHY. S.DAS-I

Address #25, SRINILAYAM, 7th CROSS, NANJAPPA
LAYOUT, VIDYAPANYAPURA, BANGALORE - 560097



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Dr H.G. Nagendra
Professor & Head
Department of Biotechnology
Sir M. Visvesvaraya Institute of Technology
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III) For and on behalf of SIR M. VISVESVARAYA INST. OF TECHNOLOGY
the Institute duly authorized vide letter dated 1/4/16 by its concerned authority.

Signature

H. G. Nagendra

Name

Dr. H. G. NAGENDRA

Designation

Professor & Head

Institute Seal



Witnesses

Signature

Jagadeesh Kumar D. 22/4/16.

Name

Jagadeesh Kumar D.

Address

Dept. of Biotechnology,
Sir M. Visvesvaraya Inst. of
Technology, Yelahanka, Bangalore

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H. G. Nagendra

Dr H.G. Nagendra
Professor & Head
Department of Biotechnology
Sir M. Visvesvaraya Institute of Technology
BANGALORE - 562157



Sanjay Saxena

B.V. Gmud



Schedule 1

The terms and conditions for Project support under Grant-in-aid Letter Agreement (hereinafter called as "GLA") are as follows;

1. FUND DISBURSEMENT

- a. First installment of the Grant-in-aid will be released after issue of the GLA subject to fulfillment of the terms and conditions for such release (and after execution of Royalty Agreement in case of BIPP) by the relevant Parties. Further release of funds shall be subject to satisfactory progress against the objectives, outputs, milestones and targets specified in the Project which progress shall be determined by BIRAC and on submission of audited/certified statements of accounts and utilization certificates as provided for in Point 2 (a).

2. FUND UTILISATION AND ACCOUNTING

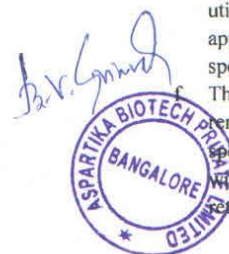
- a. The Company and the Institute shall submit the Utilization Certificate (UC) and Statements of Expenses (SOE) duly audited by a chartered accountant for the expenditure incurred towards the Project for every half year period, ending 30th September and 31st March, to BIRAC, within a month of closure of the accounts for the respective half year, in the format provided by BIRAC;
- b. The Company and the Institute shall submit UC and SOE duly certified by Internal finance personnel/auditor to BIRAC in the format provided on the completion of the respective milestones
- c. The Company shall submit audited Annual reports along with the audited balance sheets and profit & loss accounts to BIRAC within six months of the completion of the financial year ending 31st March till the completion of the Project Duration.
- d. The Company shall keep the Grant-in-aid assistance and their project contribution in a separate no-lien account in the name of the Company with a Scheduled Bank (as defined under the RBI Act, 1934), the withdrawals and payments from which account shall be subject to verification by BIRAC. It shall also obtain and furnish to BIRAC a letter from the concerned bank foregoing the right of set off or lien in respect of such account. Further, the interest earned on the Grant-in-aid if any should be reported to BIRAC. The interest thus earned will be adjusted towards further installment of the fund.

If there is an Institute, it shall keep the Grant-in-aid assistance in an interest bearing account with a Scheduled Bank (as defined under the RBI Act, 1934), the withdrawals and payments from which account shall be subject to verification by BIRAC. The interest earned on the Grant-in-aid should be reported to BIRAC. The interest thus earned on the grant in aid will be adjusted towards further installment of the fund.

- e. The Company and the Institute shall ensure that the funds released for the Project are actually utilized only for the purposes of the Project and as expressly provided for in this GLA. Re-appropriation of BIRAC funds from one budget head to another shall not be effected without the specific written approval of BIRAC;

The Company and the Institute shall refund such part of Grant-in-aid funds disbursed to it that remains unutilized with it upon completion of all the responsibilities, duties and functions specified in connection with the Project, within one month of such completion, to BIRAC along with consolidated accounts of the funds received and utilized and of the unutilized balance returned (UC & SOE);

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- g. The Company and the Institute at their own cost, shall take adequate care to maintain the capital assets acquired for the Project through BIRAC's Grant-in-aid. The capital assets acquired through BIRAC's Grant-in-aid shall not be disposed of or hypothecated without the specific approval of BIRAC till full and final settlement of all dues to the satisfaction of BIRAC.

3. PROJECT MONITORING

A Project Monitoring Committee (PMC) comprising of eminent experts from the relevant field(s) will be constituted by BIRAC to monitor the progress of the objective(s) of the Project. BIRAC shall have at least one representative in the PMC.

The functions of the PMC shall be as follows:

- a. To monitor the progress of the Project in conformity with the outputs, milestones, targets objectives and other terms and conditions as contained in the GLA
- b. To keep track of funding from any other source for the Project.
- c. To assess the global developments impacting the domain of the Project.
- d. Based on the foregoing, to assess and recommend:
 - i. the release of next installment or part release thereof by the BIRAC.
 - ii. revision of Project Duration
 - iii. closing, dropping or modifying any of the components of the Project, within the overall approved objectives, budget and time-frame,
 - iv. inclusion of additional industrial/institutional partner(s), if the Company and the Institutes requests involvement of such partner(s), in the overall interest of the Project; and
 - v. revision of the financial assistance.
- e. To advise on issues related to securing of IPR and mentor to overcome any technological problem faced in the Project implementation; and
- f. To advise on any other matter as referred to it by BIRAC and/or otherwise reasonably necessary for effective discharge of its duties and/or achievement of aims and objectives of the Schemes.

4. INDEMNIFICATION

- a. The Company and the Institute shall, at all times, indemnify and keep indemnified BIRAC against any claims or suits in respect of any losses, damages or compensation payable in consequences of any accident, death or injury sustained by their employees or by any other third party resulting from or by any act, omission or operation conducted by or on their behalf;
- b. The Company and the Institute shall, at all times, indemnify and keep indemnified BIRAC against all claims/damages etc. by any infringement of any Intellectual Property Rights (IPR) while carrying out their responsibilities/work under the Project and this GLA.
- c. The provision of Grant-in-aid funds by BIRAC does not create any liability, explicit or implicit, on BIRAC in respect of the manpower engaged in the Project.
- d. The Parties shall not be held responsible for non-fulfilment of their respective obligations in successful completion of the Project under this GLA due to the exigency of one or more force majeure events such as but not limited to acts of God, war, flood, earthquakes etc.



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5. CHANGE OF CONTROL:

BIRAC shall reserve the right to reconsider further funding assistance, governance of the New Intellectual Property and consider refund of the amount of Grant-in-aid in such circumstances of change of control as mentioned the following paragraphs;

- a. The Company shall inform BIRAC if it proposes to undertake or permit any merger, consolidation, reorganization scheme of arrangement or compromise with its creditors or shareholders or effect any scheme of amalgamation or reconstitution or substantial expansion. The word 'substantial expansion' shall have the same meaning as under the Industries (development and Regulation) Act, 1951.
- b. The Company shall inform BIRAC within 30 (thirty) days, if it has notice of any application for winding up having been made or any statutory notice of winding up under the provisions of the Companies Act, 2013, or any other notice under any other Act or otherwise of any suit or other legal process intended to be filed or initiated against the Company and affecting the title to the properties of the Company or if a receiver is appointed of any of its properties or business or undertaking.
- c. The Company and the Institute shall notify BIRAC of any material change in its entity status, entity name, Project Coordinator, implementation site, registered office or any such change that would impact on performance of its obligations under the Project and this GLA.

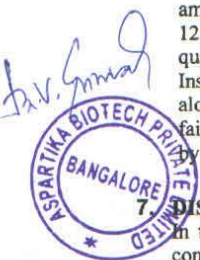
6. FORECLOSURE AND TERMINATION

- a. In case, during the Project Duration, it is found that the Project or any Project component is not likely to lead to successful completion, BIRAC may decide to foreclose the Project or the Project component as warranted. The decision of the BIRAC shall be final in all respects. The Company and the Institute shall immediately refund any Grant-in-aid unutilized out of BIRAC's disbursements to BIRAC. BIRAC, at its discretion can allow deduction of the future committed expenses to third party vendors on pro-rata basis according to the quantum of BIRAC's funding. The Company and the Institute shall submit Consolidated accounts of funds received, utilized and unutilized (UC&SOE). If the Company and the Institute like to continue the Project at its own cost, it would be able to do so without restrictions from BIRAC after complying with these provisions.
- b. The Company and the Institutes may, before the completion of the Project, terminate this GLA by giving three months' notice in writing to BIRAC. BIRAC may also terminate this GLA by written notice in the event of "the Company and the Institute" committing breach of any term of this GLA and either not rectifying it to the satisfaction of BIRAC or not satisfying BIRAC about its inevitability within a specified period. In the event of termination of the GLA, no further disbursement shall be made by BIRAC. The Company shall be liable to return immediately the amount of Grant-in-aid already availed of from BIRAC with additional simple interest at the rate of 12 (twelve) per cent per annum within 30 (thirty) days of termination of the GLA. Interest on the quantum of funding assistance shall accrue from the date of release of the grant in aid assistance. The Institute shall immediately refund any funds unutilized out of BIRAC's disbursements, to BIRAC, along with consolidated accounts of funds received, utilized and unutilized (UC&SOE). In case of failure to repay, without prejudice to any other rights under this GLA, the amount can be recovered by initiating any procedure available in Law.

DISPUTE RESOLUTION AND ARBITRATION

In the event of any dispute or difference between the Parties hereto upon or in relation to or in connection with this GLA, such dispute or difference, shall be resolved amicably and in good faith by mutual consultation.

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Dr. H.G. Nagendra
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mutual consultation.

If such resolution is not possible, then the unresolved dispute or difference whatsoever arising between the Parties out of or relation to the construction, meaning, scope, operation or effect of this GLA or the validity the breach thereof or in respect of any defined legal relationship associated therewith or derived therefrom dispute shall be submitted for arbitration to International Center for Alternate Dispute Resolution (ICADR), an autonomous organization working under the aegis of the Ministry of Law & Justice, Department of Legal Affairs, Government of India. The Authority to appoint the arbitrator(s) shall be the ICADR. The Arbitration under this Clause and provision of administrative services by ICADR shall be in accordance with the ICADR Arbitration Rules, 1996. The award made in pursuance thereof shall be binding on the Parties. The venue of arbitration shall be New Delhi and the arbitration proceedings shall be conducted in English Language. The provision of this Clause shall not become inoperative notwithstanding the GLA expiring or ceasing to exist or being terminated or foreclosed.

8. EFFECT AND AMENDMENTS TO THE GLA

- i. GLA shall remain in force for whichever of these is the longest time unless suspended sooner:
 - a. For 24 (Project duration) months from the above Effective Date;
 - b. As long as any part of the amount disbursed for the Project remains unspent; or
 - c. For as long as any monitoring or recording or IP governance is required under any relevant laws and regulations.
- ii. No amendment or modification of this GLA shall be valid unless the same is made in writing by the Parties or their authorized representatives specifically stating the same to be an amendment of this GLA. The modifications / changes shall be effective from the date on which they are made / executed unless otherwise agreed to.

9. SEVERABILITY

In case any one or more of the provisions or parts of a provision contained in this GLA shall, for any reason, be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision or part of a provision of this GLA; and this GLA shall, to the fullest extent lawful, be construed as if such invalid or illegal or unenforceable provision, or part of a provision, had never been contained herein.

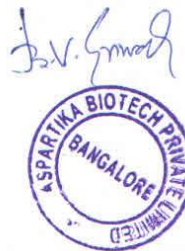
10. GOVERNING LAW

This GLA and the associated undertaking shall be governed and interpreted in accordance with the laws of India subject to the exclusive jurisdiction of the Courts at New Delhi.


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BANGALORE

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Schedule 2

Acceptance & Undertaking

In consideration of the foregoing, the fund recipients, intending to be admittedly bound by the terms set forth above, undertake as stated below;

The recipients of the Grant shall;

1. Execute the activities as set out in the Project proposal and shall conform to the specified objectives, outputs, milestones, and targets therein.
2. Submit periodic Progress report to BIRAC as per the Project milestones, details of activities involved in performing the Project activities, Utilization Certificate (UC) and Statements Of Accounts Expenses (SOE) as per Schedule 1.
3. The Company shall submit audited Annual reports along with the audited balance sheets and profit & loss accounts to BIRAC within six months of the completion of the financial year ending 31st March till the completion of the Project Duration
4. Obtain all the necessary requisite approvals, clearance certificates, permissions and licenses from the Government/local authorities for conducting its activities/ operations in connection with the Project.
5. Abide by the decisions of BIRAC to modify the objectives, outputs, milestones, targets, Project Grant-in-aid as also the foreclosure of the Project or any of its components as may be arrived at after mutual discussion.
6. Subject itself to Project monitoring of the Project Monitoring Committee (PMC).
7. Maintain strict confidentiality and refrain from disclosure thereof, of all or any part of such information and data exchanged/generated from the Project which is not in the public domain by use and/or publication at the time of its disclosure except for purposes in accordance with this Project or is required by public authority, by law or decree.
8. Complete the Project within the stipulated period subject to the Change Order(s) issued by the BIRAC, from time to time.
9. Manage the Intellectual Property developed through the funding Assistance of BIRAC in a manner that ascertains Global Access, regardless of whether this GLA expires, foreclosed or terminated.
10. Adhere to this GLA and the Conditions of Grant, as, violation of any provision of which shall be the reason for suspension of the Grant.
11. Consider any changes to the provisions of this GLA when made in writing only and shall consider any notice duly served if the same shall have been delivered electronically through the official mail of the Project Coordinator or delivered by post at the addresses mentioned in the GLA.
12. Abide by the conditions related to Royalty Payment (applicable in cases of funding under BIPP) as per the terms of the corresponding "Royalty Agreement".

IN ACCEPTANCE WHEREOF the fund recipients hereto through their duly authorized representatives have signed this undertaking as set below:

B.V. Srinivas




For and on behalf of M/s ...	ASPARTIKA BIOTECH PVT LTD.	the
Company"		
Date and Place:	BANGALORE	22/04/2016.
Signature	<i>B.V. Srinivas</i>	
Name	SRINIVAS. B.V.	

H. G. Nagendra
Dr. H.G. Nagendra
 Professor & Head
 Department of Biotechnology
 Sir M. Visvesvaraya Institute of Technology
 BANGALORE - 560077

Sanjay Saxena



Designation	Director
Common Seal	
Witness (Signature)	<i>[Signature]</i>
Date	BANGALORE 22/4/2016
Place	BANGALORE

For and on behalf of	SIR M. VISVESVARAYA INST. OF TECHNOLOGY
Institute	
Date and Place:	22/4/2016 } BANGALORE
Signature	<i>[Signature]</i>
Name	Dr. H. S. NAGENDRA
Designation	Professor & Head
Seal	

[Handwritten signature]



[Signature]
Dr. H. S. Nagendra
 Professor & Head
 Department of Biotechnology
 Sir M. Visvesvaraya Institute of Technology
 BANGALORE - 562157

[Signature]



PROJECT DOCUMENT

PROPOSAL PHASE & WORK PLAN

Phase Name: Procurement and purchase of the supercritical extraction facility and extraction of oil rich in omega-3 fatty acid from silkworm pupae
Description: We have already identified manufacturers in India and abroad, a details agreement will be signed with appropriate terms and conditions for procurement, drying milling and sieving studies. Extraction studies using supercritical fluid extractor to enrich omega-3 fatty acid in the oil will be tried
Phase Name: Enrichment of oil with omega-3 fatty acids
Description: As a part of purchase agreement we would seek the supplier help to start manufacturing the silkworm pupa oil from time to time studies on temperature, pressure etc and quantification
Phase Name: Deoiled cake utilization for various end uses
Description: The cake obtained after removal of oil will be formulated into poultry feed and aqua feed and commercialized Trials with poultry egg layers, broilers, in vivo studies

TIME LINES

Activities	Month Of Start Of Activity	Month Of End Of Activity	Role Of Collaborators
PHASE NAME: Procuring and purchase of the supercritical extraction facility and extraction of oil rich in omega-3 fatty acid from silkworm pupae			
Purchase of other ancillary instruments	0	6	Purchase of GC and design of customized equipment
Procurement, drying, milling, sieving of silkworm pupa for large scale production	0	6	Co-investigation in scale up strategies
Drying time studies of silk worm pupae, determination of appropriate particle size requirement etc.	0	6	Determination of particle size and drying time standardization
PHASE NAME: Enrichment of oil with omega-3 fatty acids			

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Studies with various temperature and pressure to enrich α -linolenic acid in oil	6	16	Co-investigation in identification of ideal parameters
Quantification and identification of omega-3 fatty acid by GC/GCMS	8	18	GC analysis of the samples extracted
PHASE NAME: Deoiled cake utilization for various end uses			
Formulation of poultry feed for broiler and egg layers	16	18	Pre formulation studies
Quality control studies of the product developed	16	18	Establishment of QC parameters
Trials with poultry and aqua feed	18	23	Co investigation with trials
Analysis of meat, egg etc. with respect to omega fatty acid and Utilization of the protein from de-oiled cake	18	23	Proximate analysis & Identification of other applications

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 BANGALORE - 562157

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INTELLECTUAL PROPERTY GOVERNING FRAMEWORK**1. SCOPE OF IP GENERATED DURING THE CONDUCT OF THE PROJECT**

- a) The New Intellectual Property (IP) rights belong to the recipient of funds, in a joint manner unless mutually agreed otherwise.

Provided, this Project is not determined as a "Nationally Important Project" to be governed through specific 'Order of BIRAC'. Such cases of "Nationally Important Project" shall have specific terms of licensing, pricing or March-in-rights for the purposes of public interest/demand of Government of India.

- b) It is the responsibility of the Fund Recipients to protect the New Intellectual Property (New IP). They shall bear the expenditure involved in protecting the New IP.

2. GLOBAL ACCESS

The Fund Recipient(s) jointly and severally agree to conduct and manage the Project and the resulting products, services, processes, technologies, materials, software, data or other innovations (collectively, "Product") and any IP that arises (New IP) in the manner that ensures "Global Access."

Global Access requires that

- a) The knowledge and information gained from the Project be promptly and broadly disseminated or published.
- b) Project Developments and/or New IP are made available and accessible at an affordable price to people most in need within developing countries.
- c) In this regard, ensure Global Access in all present and future research and development agreements in a suitable form.

NOTE: For the purpose of this GLA, New IP means intellectual property generated during the conduct of the Project by the Fund Recipient(s), but excluding the intellectual property generated by the Fund Recipient(s) before execution of this GLA and any IP generated outside the scope of this GLA even during the term of this GLA.

3. The background Intellectual Property (IP) generated by the Fund Recipient(s) before execution of this GLA are as provided hereunder;

I.	Background IP of the Company
	Patent application no. IN3965/CHE/2015 titled "Alpha-linolenic acid enriched oil from the silkworm for nutraceutical and cosmeceutical applications" has been licensed to Aspartika Biotech Pvt Ltd from Mr Srinivas B V (applicant and the inventor) wide license agreement dated 28th January 2016.

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II.	Background IP of the Institute

H.G. Nagendra

Dr H.G. Nagendra
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Sir M. Visvesvaraya Institute of Technology
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K.V. Kumar



5-DAY BIOTECHNOLOGY SKILL DEVELOPMENT PROGRAM

Organized By

Department Of Biotechnology,

Sir M.Visvesvaraya Institute Of Technology, Bangalore- 562 157

In Association with

Aspartika Biotech Pvt. Ltd, Technology Incubation Centre,
Sir M Visvesvaraya Institute of Technology Campus, Bangalore-57



Day	Module	Program
Day 1 07/02/2022	Orientation	
	Extraction methods	<ul style="list-style-type: none">• Overview about the extraction and quantification techniques• Hands-on-Training: Pre-processing of sample for extraction• Extraction of Natural colour• cold extraction methods
Day 2 08/02/2022	Extraction studies	<ul style="list-style-type: none">• Hands-on training on extraction methods: Hydro-distillation, Hot solvent
	Instrumentation	<ul style="list-style-type: none">• Introduction to Gas Chromatography
	Microbiology	<ul style="list-style-type: none">• Microbiology techniques: Media preparation, Sterilization, Pure culturing, Serial dilution
Day3 09/02/2022	Invitro-studies	<ul style="list-style-type: none">• In-vitro Antimitotic activity of Herbal extracts
	Industrial visit	<ul style="list-style-type: none">• Visit to Aspartika Biotech Pvt Ltd and Someys Kitchens Pvt Ltd.
Day4 10/02/2022	Quality analysis	<ul style="list-style-type: none">• Quality analysis of herbal extracts: Physical and chemical parameters estimation
	Separation techniques	<ul style="list-style-type: none">• Thin layer Chromatography technique.• Quantification of bio-actives through Gas chromatography technique
Day5 11/02/2022	Product development	<ul style="list-style-type: none">• Chocolates with a twist• Perfume creation/Room Freshner• Lip balm
	Concluding session	<ul style="list-style-type: none">• Quiz• Certificate distribution

Student registration form link: shorturl.at/jqtzF

Dr. H.G. Nagendra

Professor & Head, Dept. of Biotechnology
Sir MVIT, Bangalore

Mr. Srinivas B.V

Director & CEO at Aspartika Biotech Pvt Ltd.
Bangalore