



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD
Re-accredited with 'A++' Grade by NAAC. CGPA 3.65/4, Category I by UGC
Coimbatore - 641 043, Tamil Nadu, India

Bharat Ratna Prof.CNR Rao Research Centre

Report of the Workshop on

“Origin Software Training Programme”

Date: 19.06.2023

Time: 10.00 am to 12.45 pm

(Forenoon)

Venue: Gallery

Report on Workshop Origin Software – Training Programme

The workshop on **Origin Software – Training Programme** organized by Bharat Ratna Prof. C.N.R Rao Research Centre was held at gallery of our institution on 19.06.2023 FN. The programme begins at 10.00 AM with the prayer song followed by the introductory talk by Prof. Dr. P. Lalitha, Director (i/c), Research and Development, Coordinator Bharat Ratna Prof. C.N.R Rao Research Centre. The resource persons of the session were Ms. R. Rajalakshmi and Ms. A. Pon Nivetha, Research Scholars of Chemistry of our institution. The workshop commenced as two sessions – Theory session and demonstration of using the software

The theory session involved the basics of Origin software, its evolution; analysis tools involved in statistical analysis, representation of graphs and data visualization through origin software were dealt by Ms. R. Rajalakshmi.

The demonstration of the software was by Ms. A. Pon Nivetha where the scholars were directed to use the Origin software. The demonstration session begins with the procedure to download updated student version of Origin software. The session extends like analysis of data statistically by performing t- test, ANOVA etc. The demonstration on visualizing graphs includes stacking of plots, data fitting, peak fitting, peak smoothing were also covered.

The overall feedback of the session was delivered by the scholars. Scholars from various schools have registered for the workshop and find it useful and the workshop meets the requirement of scholars. **Around 43 Research scholars from different** disciplines benefited from the lecture.



Dr. P. Lalitha, Director (i/c), Research and Development, Coordinator Bharat Ratna Prof. C.N.R Rao Research Centre delivered introductory talk



Ms. R. Rajalakshmi, Research Scholar, Department of Chemistry elucidating the theory of Origin software and its tools



Ms. A. Pon Nivetha, Research Scholar, Department of Chemistry demonstrate the Origin software and its usage involved in research work



E-Certificate of participation (sample copy)



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Recognized by All India Council for Technical Education, NAAC, CGPA 3.65/4, Category I by UGC
Coimbatore - 641 043, Tamil Nadu, India

Bharat Ratna Prof.CNR Rao Research Centre

Workshop on

“Origin Software Training Programme”

On 19.06.2023

Time: 10.00 am to 12.45 pm

Dr.P.Lalitha

Director i/c, R&C

Will deliver the introductory talk

Demonstration & Training:

Ms. R. Rajalakshmi

Ms. A. Pon Nivetha

Ph.D Scholar, Dept. of Chemistry

Registration Fee: Rs.50/- , E-certificate will be provided to registered participants

Eligibility -Research Scholars

Registration Link: <https://tinyurl.com/OriginWorkshop>

About the Software Origin:

Origin software is a powerful data analysis and graphing tool commonly used in scientific and engineering research. It provides a range of features and capabilities that enable users to manipulate, visualize, and analyze data efficiently.

Some of the primary uses of Origin software include:

Data Import and Manipulation: Origin allows users to import data from various file formats and perform data cleaning and manipulation tasks such as filtering, sorting, and transforming data.

Statistical Analysis: The software provides a wide range of statistical tools for descriptive statistics, hypothesis testing, regression analysis, and multivariate analysis. Users can perform common statistical operations and generate comprehensive reports.

Data Visualization: Origin offers extensive graphing and visualization options to create publication-quality plots, charts, and graphs. It supports 2D and 3D plots, contour plots, image plotting, and various customization options to enhance the visual representation of data.

Signal Processing: Origin includes signal processing features such as FFT analysis, filtering, smoothing, and peak analysis. These tools are particularly useful for researchers working with time-series data or analyzing signals in fields like physics, biology, and engineering.

Programming and Automation: Origin supports scripting in multiple programming languages, including its own scripting language, LabTalk. This allows users to automate repetitive tasks, create customized functions, and extend the software's functionality.

Customizations can range from simple modifications to a data plot, saved as a graph "template" for later use, to customized data analyses which produce publication-quality reports, saved as an Analysis Template. **Batch plotting and analysis operations are also supported, wherein templates are used for repeat analysis of multiple files or datasets.**

Origin Training Workshop aims to train users on the various features and functionalities of Origin, helping them become proficient in data analysis, graphing, and scientific visualization. **Participants can learn through hands-on exercises, demonstrations, and interactive sessions, gaining practical skills to effectively use Origin software in their research or analytical work**

PROGRAMME

10.00- 10.05 am : **Prayer**

10.04- 10.15 am : **Welcome**

Dr.P.Lalitha

Professor of Chemistry,

Director i/c, R & D

Avinashilingam Institute for Home Science and Higher
Education for Women

10.15 – 12.15 pm : **Technical Session**

“Origin Software Training Programme”

Ms. R. Rajalakshmi & Ms. A. Pon Nivetha

Ph.D Scholar, Dept. of Chemistry

Avinashilingam Institute for Home Science and
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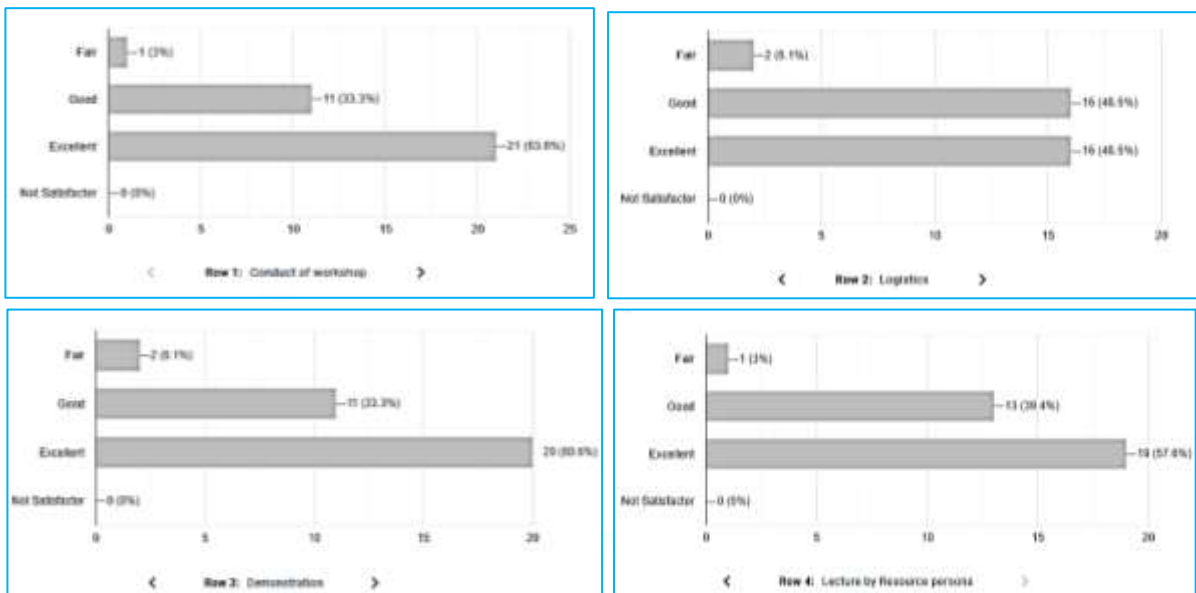
Feedback Session / Interaction

12.15 pm- 12.45 pm : **Vote of Thanks**

Any one scholar-voluntary basis

Registration link: <https://tinyurl.com/OriginWorkshop>

Feedback about the event



Suggestion given by participants

- Awaiting such events in future...
- Can indulge many practical sessions
- Very useful and Good experience
- Needed 2 - 3 session and hands on session will be helpful to learn more thoroughly
- Thank You for conducting this workshop.
- Need more lecture like this which will be more useful for Ph.D work
- like to attend detailed sessions on the topics
- Conduct more workshop related to research and other software's
- It's very useful, please kindly conduct this type of programs
- The resource person provided a concise introduction and demonstration, but it would have been beneficial if they have given interactive exercises and activities that would have allowed us to actively explore the software's features and apply the knowledge in a practical manner.
- Could have been a little slow in explaining the concepts
- WELL ORGANISED AND WAS VERY USEFUL
- From this workshop I got to know that origin software can be used freely for six months. Thank you
- Thank you for Workshop
- very useful



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Coimbatore - 641 043, Tamil Nadu, India

Bharat Ratna Prof.C.N.R Rao Research Centre

Workshop on "Origin Software Training Programme"

Date: 19.06.2023 (Fri)

Time: 10.00 am to 12.45 pm

Venue: Gallery

Attendance Sheet

S.No	Name of the Participant	Class/Designation	Signature
1	Rachael Alphonso	Ph.D. FSN	
2	Saumya Gy	Ph.D. FSN	
3	D. Selvarani	Ph.D. FSN	
4	Konchikog	Ph.D. Biotechnology	
5	rene Maria jose	Ph.D. Biotechnology	
6	Shahesha Banu Z.	Ph.D. Commerce	
7	E.S Madhushalini	Ph.D. Textiles and Clothing	
8	DHIVYA C	Ph.D. Chemistry	
9	KEERTHANA L	Ph.D. Chemistry	
10	VISHVA S	Ph.D. Chemistry	
11	Priyadharshini N.S	Ph.D. Biochemistry	
12	Thirisha t	Ph.D. Chemistry	
13	Nandhini B	Ph.D. Chemistry	
14	Monika S	Ph.D. Biotechnology	
15	Koushika N.M	Ph.D. FSN	
16	Lanya N	Ph.D. Botany	
17	PAVITHRA R	Ph.D. Zoology	
18	Sanjayya S	Ph.D. Zoology	
19	Poornima P.	Ph.D. Mathematics	

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Avinashilingam Institute for Home Science and
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Coimbatore-641043

20	SIVASANKARI . J	Ph.D Chemistry	J. R. L.
21	NEETA CHANDRA	Ph.D. Education	Neha
22	MADHUMITHA . P	Ph.D Chemistry	P. V. P.
23	KEERTHANA . M	Ph.D Zoology	M. Keertana
24	Sindhu . S	Ph.D Chemistry	S. Sindhu
25	Sujya . A	Ph.D. Commerce	Sujya
26	Keethana . P.	Ph.D Textiles	Keethana . P.
27	Ravathi Urmi . K	Ph.D zoology ^{clothing}	Ravathi
28	Greethamala . G.V.	Ph.D. Zoology	Greethamala
29	Deepika . K	Ph.D. Botany	Deepika
30	Sujitha . M	Ph.D. Zoology	Sujitha
31	Pravitha . M . S	Ph.D. Home science	Pravitha . M . S
32	NIVEDHA . K	Ph.D Textiles & clothing	N. K.
33	Sonika Chandan	Ph.D Food Science & Nutrition	Sonika Ch.
34	Anongelambam g. Satharani . Devi .	Ph.D Food Science & Nutrition	A. Satharani Devi
35	Akhila . C	Ph.D Chemistry	A.
36	R. Harinivashini	Ph.D Chemistry	R. Harinivashini
37	M. Ganathi	Ph.D. T. c	M. Ganathi
38	Dharsini . R	Ph.D. Commerce	Dharsini
39	G. Karthana	Ph.D. Commerce	G. Karthana
40	Ramya . S	Ph.D. Commerce	Ramya . S
41	Suhmini . S	Ph.D. Home Science Extension	Suhmini
42	Sampath Rajendran Sathi	Ph.D Home Science Extension	S. R.
43	Aruna . P	Ph.D Chemistry	Aruna
44	ANJISA PAVITHRA . F	Ph.D. Zoology	A. Pavithra
45			

Bhavini Avina Prof. C. N. R. Rao Research Centre
 Annamalai University for Home Science and
 Higher Education for Women,
 Coimbatore-641003



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 Coimbatore-641 043, Tamil Nadu, 610024

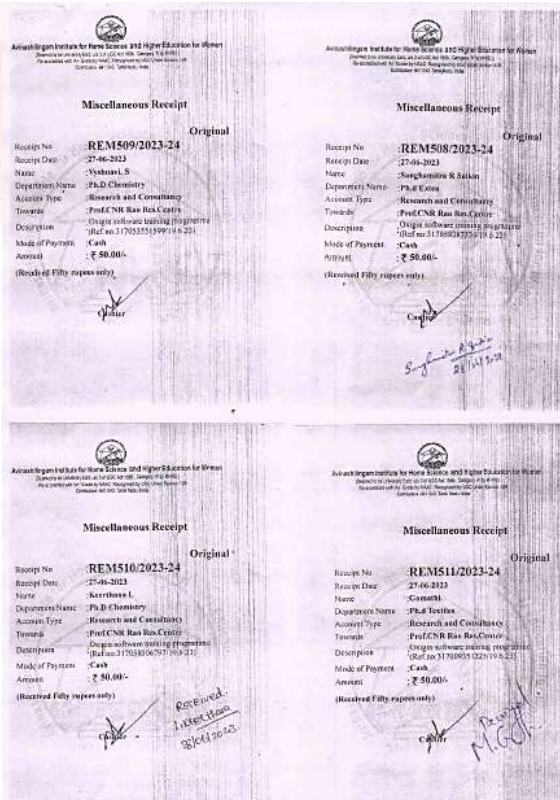
Miscellaneous Receipt

Original

Receipt No : **REM516/2023-24**
 Receipt Date : **27-06-2023**
 Name : **M.S.Priyadharshini**
 Department Name : **Ph.D Bio-Chemistry**
 Account Type : **Research and Consultancy**
 Towards : **Prof.CNR Rao Res.Center**
 Description : **Origin software training programme
 (Ref.no.353679956757/19.6.23)**
 Mode of Payment : **Cash**
 Amount : **₹ 1550.00/-**

(Received One Thousand Five Hundred and Fifty rupees only)

Cashier



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 Coimbatore - 641 010, Tamil Nadu, India

Miscellaneous Receipt

Original

Receipt No: **REMS17/2023-24**
 Receipt Date: **27-06-2023**
 Name: **M.S. Sridharani**
 Department Name: **Ph.D Women's Studies**
 Account Type: **Research and Consultancy**
 Towards: **Prof.CNR Raw Res Centre**
 Description: **Origin software training programme**
 (Ref no: 31709507410019.6.23)
 Mode of Payment: **Cash**
 Amount: **₹ 50,000/-**
 (Received Fifty rupees only)

Received
27/06/23

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Miscellaneous Receipt

Original

Receipt No: **REMS05/2023-24**
 Receipt Date: **27-06-2023**
 Name: **(Resident Alphonse)**
 Department Name: **Ph.D FSN**
 Account Type: **Research and Consultancy**
 Towards: **Prof.CNR Raw Res Centre**
 Description: **Origin software training programme**
 (Ref no: 3226160610119.6.23)
 Mode of Payment: **Cash**
 Amount: **₹ 50,000/-**
 (Received Fifty rupees only)

Received
27/06/23

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Miscellaneous Receipt

Original

Receipt No: **REMS07/2023-24**
 Receipt Date: **27-06-2023**
 Name: **Nashmina Devi**
 Department Name: **Ph.D Eswari**
 Account Type: **Research and Consultancy**
 Towards: **Prof.CNR Raw Res Centre**
 Description: **Origin software training programme**
 (Ref no: 353616161050.19.6.23)
 Mode of Payment: **Cash**
 Amount: **₹ 50,000/-**
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Original

Receipt No: **REMS06/2023-24**
 Receipt Date: **27-06-2023**
 Name: **Thirika K**
 Department Name: **Ph.D Chemistry**
 Account Type: **Research and Consultancy**
 Towards: **Prof.CNR Raw Res Centre**
 Description: **Origin software training programme**
 (Ref no: 31709507410019.6.23)
 Mode of Payment: **Cash**
 Amount: **₹ 50,000/-**
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Original

Receipt No: **REMS12/2023-24**
 Receipt Date: **27-06-2023**
 Name: **Shakera Banu Z**
 Department Name: **Ph.D Commerce**
 Account Type: **Research and Consultancy**
 Towards: **Prof.CNR Raw Res Centre**
 Description: **Origin software training programme**
 (Ref no: 353616161050.19.6.23)
 Mode of Payment: **Cash**
 Amount: **₹ 50,000/-**
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Original

Receipt No: **REMS13/2023-24**
 Receipt Date: **27-06-2023**
 Name: **Pavithra R**
 Department Name: **Ph.D Zoology**
 Account Type: **Research and Consultancy**
 Towards: **Prof.CNR Raw Res Centre**
 Description: **Origin software training programme**
 (Ref no: 353616161050.19.6.23)
 Mode of Payment: **Cash**
 Amount: **₹ 50,000/-**
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Original

Receipt No: **REMS15/2023-24**
 Receipt Date: **27-06-2023**
 Name: **Starishashini R**
 Department Name: **Ph.D Chemistry**
 Account Type: **Research and Consultancy**
 Towards: **Prof.CNR Raw Res Centre**
 Description: **Origin software training programme**
 (Ref no: 31709507410019.6.23)
 Mode of Payment: **Cash**
 Amount: **₹ 50,000/-**
 (Received Fifty rupees only)

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27/06/23

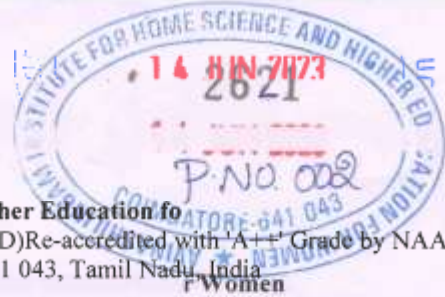
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Miscellaneous Receipt

Original

Receipt No: **REMS14/2023-24**
 Receipt Date: **27-06-2023**
 Name: **Aravina Pavithra E**
 Department Name: **Ph.D Zoology**
 Account Type: **Research and Consultancy**
 Towards: **Prof.CNR Raw Res Centre**
 Description: **Origin software training programme**
 (Ref no: 31709507410019.6.23)
 Mode of Payment: **Cash**
 Amount: **₹ 50,000/-**
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27/06/23



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GUIDELINES/PROFORMA FOR ORGANISING CONFERENCES, WORKSHOPS, SEMINARS, WEBINARS OR OTHER EVENTS MARCH 2022 and onwards

Name of the applicant: **Dr.P.Lalitha, Department: Prof. CNR Rao Research Centre** **Scholar R&D**

1. Activity : **Workshop**
2. Geographical Coverage : Institutional Level
3. Name of the Event : **Origin Software Training Programme for Data Analysis**
4. Date(s) : **19.06.2023 FN** Total number of days: **One**
5. Venue : **Gallery**
6. Name & Designation of Convenor/Organizing Secretary and Team
Convenor : **Dr. P. Lalitha, Director R&D i.c, Coordinator, Prof. CNR Rao RC**
Organizing Secretary : **Dr. P. Arulpriya, Asst. Coordinator, Prof. CNR Rao RC**
Organizing Member : **Ms. S. Suba Sree**
7. Financial Assistance Required : **No**
8. Details of assistance sought from other sources : **Nil**
9. Details of collaborating institution, if any : **Nil**
10. Detailed Proposal of the Activity
 - A. Aims/Objectives :
To create an effective usage of Origin software at research scholars and faculty
 - B. Target audience/participants with expected number: **30**
 - C. Details of Sessions:
The Session ^{is intended to} covered the advancement of Origin software and how it will help to interconnecting scientific Programme and data analysis in research in all the disciplines
 - D. Please mention themes/topics to be covered under each Technical Session and names of Resource Persons:
Theory Session : **Ms. R. Rajalakshmi, Ph.D Scholar, Dept. of Chemistry, ADU**
Software Demonstration : **Ms. A. Pon Nivetha, Ph.D Scholar, Dept. of Chemistry, ADU**
 - E. Expected outcome: **Effective use of Origin software and critical analysis of Big data**
11. In case of an International Conference and collaboration, kindly give resources for International travel and a letter from the concerned head of the collaborating body
12. Registration fee : **Yes Rs.50 per participant.**

P. Arulpriya
07.06.2023
Asst Coordinator

Coo
P. Lalitha
21/6/2023
rdinator

P. Lalitha
21/6/2023
Director R&D

Arulpriya
Finance Officer
13/6/23

S. Ramesh
Registrar
14/6/23

Shanathis
14/06/2023
Vice Chancellor

Date: 07.06.2023
Place: Coimbatore

Total amount: Rs.2150/-

Acknowledgement

The organizers thank the authorities of the Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore for the necessary approvals and opportunity to conduct this event

P. Jeyitha
11/7/2023

