

(2019-20)

VOUCHER



S.D. COLLEGE, BARNALA

(AMALGAMATED FUND A/C.)

Voucher No.....

Date... 17<sup>th</sup> 9/19

Rs. P.

<b>DEBIT</b>	Income Exp. Ac.	2015	
	visite 2 to Fatehgarh Sahib on dt. 13/09/19.		
	<b>Total</b>	2015	
<b>CREDIT</b>	SI. AC. No. 552959311	2015	
	ch. in the favour of Dr. Rajesh Gupta		
	ch. no. 053103 Dt. 17 <sup>th</sup> 9/19		
	<b>Total</b>	2015	

Rs. Two thousand two hundred fifteen

Handed over .....  
 a sum of Rs.....  
 on account of.....

Signature

Auth. Clerk

Sd/-

Bursar

Principal

928

**RECEIPT**

Dated : 14.09.2019

Received sum of Rs.2215/- (Rupees Two Thousand Two Hundred Fifteen only) from S.D.College, Barnala Visited by Dr. Rajesh Gupta & Prof. Gaurav Singla 13.09.2019 from Barnala to Mata Gujri College, Fatehgarh Sahib and back to attend the National Seminar sponsored NAAC.

Total Expenditure (312 km @5/-) .	1560/-
Toll Tax	255/-
Seminar Registration Fee ( 200+200) (copy of receipt attached)	400/-

Total Rs. 2215/-

Name: Dr. Rajesh Gupta  
PB19 JI 6677.  
Barnala

1-17

A kind of AF

AB

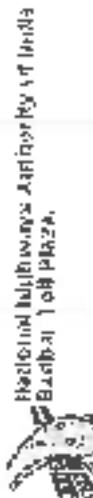
14/9/19.

Duty leave  
verified of  
Dr. Rajesh Gupta and  
Prof. Gaurav Singla  
on dated 13-09-19  
AB

Payd Rs. 2215/- (cos. Rajesh Gupta)

Ch. no. 053103 dt. 17/9/19

Ac- 5307959311 (AF-)



National Highways Authority of India  
Bachai Chaudhary Plaza

Full Plate Name : Bachai Toll Plaza  
 Section : NH 124/24 (New 1117)  
 Badlier  
 (From Km 10.750 to 100.000km)  
 A-020470000000  
 Vehicle No. : 11100 00000000, height 10.78-10.228m  
 Level of Vehicle : 11.555kylak India Engine  
 Fuel Type : 71708502  
 Booth & Operator No. : 5 & ravi  
 Date & Time : 13 Sep 2019 07:40 AM  
 Vehicle No. : P51986077  
 Type of Vehicle : CAN -WIP VARI  
 Type of Journey : Return Journey  
 Fee : Rs 125.00

Patiala bypass to Sangrur bypass  
 KM 69.280 TO KM 110.720

Vehicle No. : 201204517  
 Vehicle Operator : Lang & Co  
 Date & Time : 13/09/2019 08:42:02  
 Vehicle No. : P85577  
 Type of Vehicle : CAR  
 Type of Journey : Return Journey  
 Fee : Rs 130  
 Valid Date : 14/09/2019 09:42:01

Only for Over loaded vehicle

Standard of Vehicle : 7075 KG  
 Actual Wt. of Vehicle : 1950 KG  
 Overload Vehicle Fees : Rs 5



24 x 7 High Life \*505062196



# MATA GUJRI COLLEGE



Sri Fatehgarh Sahib

No. 109334

Ph.: 01763-233714-719, 232395 Fax: 01763-232247  
 E-mail: info@matagujricollege.org, www.matagujricollege.org

Date 13/9/19

Received with thanks from Dr. Rajesh Gupta

S.D. College Bannala

Sum of Rs. Two hundred only

On account of Development/Donation Fund NABE SP. National Sem

Rs. 200/-

Signature



# MATA GUJRI COLLEGE



Sri Fatehgarh Sahib

No. 109335

Ph.: 01763-233714-719, 232395 Fax: 01763-232247  
 E-mail: info@matagujricollege.org, www.matagujricollege.org

Date 13/9/19

Received with thanks from Gaurav Singh

S.D. College Bannala

Sum of Rs. Two hundred only

On account of Development/Donation Fund NABE SP. National Sem

Rs. 200/-

Signature

*Gupta*

VOUCHER



S.D. COLLEGE, BARNALA

(AMALGAMATED FUND A/C.)

Handed over .....  
 a sum of Rs. ....  
 on account of .....  
 Signature

Voucher No.....	Date. 21/12/19	Rs.	P.
<b>DEBIT</b>		9456	
(Amount) Cash A/c utilised to New Delhi on dt. 18/12/19			
<b>Total</b>		9456	
<b>CREDIT</b>		9456	
of Rs. 9456/- Ch. in the favour of Manish Kumar ch. - 053391 dt. 21/12/19			
<b>Total</b>		9456	
Rs. Nine thousand Four Hundred Fifty Six only			
Auth. Clerk	Supdt.	Bursar	Principal

	-total	————	9456/-

Total amount of Bills 9456 —

Amount taken as advance —

Balance to be paid/Deposited 9456/-

If amount of advance exceeds the amount of expenditure please deposit excess amount in the bank and attach proof.

Manish Kumar  
Signature

Certified that the amount was spent on the purpose for which it was sanctioned. The letter of sanction is attached herewith

Manish Kumar  
Signature

Clerk: [Signature]      Supdt.: [Signature]      Bursar: [Signature]      Principal: [Signature]

Rs. 9456/- Manish Kumar ch. - 053391 dt. 21/12/19

# S. D. COLLEGE, BARNALA

1103  
24-12-19

No of Encl: 02

Date of submission

## CONSOLIDATED DETAIL OF BILLS

Purpose of Purchase Attend meeting of MHRD at New Delhi

S. No.	Name of the firm	Bill no & date	Amount
1.	Travelling Allowance <sup>(Receipt)</sup>	19-12-19	Rs. 8936
2.	Refreshment (receipt)	19-12-19	Rs. 520
	<u>total</u>	—	9456/-

Total amount of Bills 9456

Amount taken as advance

Balance to be paid/Deposited 9456/-

*Manish Kumar*  
AC

If amount of advance exceeds the amount of expenditure please deposit excess amount in the bank and attach proof.

*Manish Kumar*  
Signature

Certified that the amount was spent on the purpose for which it was sanctioned. The letter of sanction is attached herewith

*Manish Kumar*  
Signature

*[Signature]*  
Clerk
*[Signature]*  
Supdt.
*[Signature]*  
Bursar
*[Signature]*  
Principal

Rs. 9456/- Manish Kumar ch. — 053391 dt. 21/12/19

RECEIPT

Dated: 19.12.2019

Received sum of Rs.8936/- (Rupees Eight Thousand Nine Hundred Thirty Six only) from S.D.College, Bamala Visited by Principal Dr. Rama Sharma, Dr. Vijay Bansal, Dr. Rajesh Gupta & Dr. Manish Kumar on dated 18.12.2019 from Bamala to Parvati Bhawan, New Delhi and back to attend meeting of MHRD

Total Expenditure (678@12)	8136/-
Tool Tax	600/-
Night Charges	200/-

Total Rs. 8936/-

*[Handwritten Signature]*

Name: Krishan Singh  
PB01C 7261,  
Bamala  
Ph. No.99157-43517

Payment made by me.

*Manish Kumar  
Gupta*

Duty leave  
verified on dated 18.12.19  
of Dr. Rama Sharma, Dr. Rajesh Gupta,  
Dr. Manish Kumar.

*AR  
31-12-19*

Paid

ch. - 033391 dt 21.12.19

0 - 5300.554311 (A/-)

RECEIPT

Dated : 19.12.2019

Misc/Actual expenditure of 04+01 driver ( of Principal Dr. Rama Sharma, Dr. Vijay Bansal, Dr. Rajesh Gupta & Dr. Manish Kumar who visited Barnala to Parvsi Bhawan, New Delhi and back to attend MIRD meeting.

(Actual expenditure)

520/-

Misc. Exp.

Total Rs. 520/-

Manish Kumar  
Dr. Manish Kumar

Payment made by me  
Manish Kumar

~~Manish Kumar~~

Manish Kumar

Duty leave verified  
on dated 18-12-19  
of Dr. Rama Sharma,  
Dr. Rajesh Gupta, Dr. Manish Kumar  
AB  
21-12-19

Field

Dr. - 053391 ~~21~~ 21 <sup>12</sup>/<sub>19</sub>  
File no. 53029, 539311 (OF-1)



**VOUCHER**  
**S.D. COLLEGE, BARNALA**  
 (AMALGAMATED FUND A/C.)

Voucher No. ....

Date 26/5/19

Handed over .....  
 a sum of Rs. ....  
 on account of .....

	Rs.	P.
<b>DEBIT</b> NAAC fee	1000	
Registration fee of Participation in Capacity Building workshop at Punjabi University Patiala		
<b>Total</b>	1000	
<b>CREDIT</b> SP. Ac. No. 5329539311	1000	
Ch. in the favour of Capacity Building workshop for NAAC Accreditation of colleges A/c - 3878535669		
Ch. no. 053147		
Rs. one thousand only		
<b>Total</b>	1000	

Signature

Auth. Clerk

Sgt.

Bursar

Principal



Date  
25/9/19



To The Principal,  
S. D. College -  
Barnala

Sub: Permission for Participation in Capacity Building  
Workshop at Punjab University Patiala on 30/9/19

Respected Madam,  
Kindly allow me to attend the  
One day Capacity Building Workshop at Punjab  
University Patiala on 30/9/19. You yourself is further  
requested to make the arrangements for depositing  
Registration fee of Rs 1000 through RTGS as required  
by the University.

Thanking you

Akhil  
Rajiv Garg  
for fee regarding  
25/9/19.

Yours faithfully,  
Gupta

(Dr. Rajesh Kumar  
Gupta)  
ICRAC Coordinator

Mobile: 9872041777

E-mail: guptarajesh777@  
gmail.com

Rs. 1000/- Capacity Building Workshop  
for NAAC Accreditation of  
Colleges & no. 38785356699

Ch. no. 053117 at. 0609

A/c no. 5829559311 (ATS Completed)

੨੨/੯/੧੯

ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ  
ਕਾਲਜ ਸੈਕਸ਼ਨ



ਨੰ 5484/23  
ਮਿਤੀ 25/9/19

ਅਤਿ ਬਹੁਰੀ

ਦੀ ਮਲ

ਯੂਨੀਵਰਸਿਟੀ ਨਾਲ ਸਬੰਧਤ ਸਮੂਹ ਕਾਲਜਾਂ ਦੇ ਪ੍ਰਿੰਸੀਪਲ ਸਾਹਿਬਾਨ ਨੂੰ।

ਵਿਸ਼ਾ: ਨੌਕ ਦੀ ਇੱਕ ਰੋਜ਼ਾ ਵਰਕਸ਼ਾਪ ਸਬੰਧੀ।

ਸੂਚੀ ਨਿਮਨਲਿਖਤ ਸੀ।

ਆਪ ਜੀ ਨੂੰ ਜਾਣ ਨੇ ਪੁੱਜੀ ਹੁੰਦੀ ਕਿ ਵਾਈਸ-ਚਾਂਸਲਰ ਸਾਹਿਬ ਦੇ ਆਦੇਸ਼ ਅਨੁਸਾਰ NAAC ਦੀ ਇੱਕ ਰੋਜ਼ਾ Capacity Building Workshop for NAAC Accreditation of Colleges ਵਰਕਸ਼ਾਪ ਮਿਤੀ 30-09-2019 ਵਿੱਚ ਚੱਲਾਈ ਜਾਣੀ ਹੈ। ਇਸ ਇੱਕ ਰੋਜ਼ਾ ਵਰਕਸ਼ਾਪ ਵਿੱਚ ਤਾਂਗ ਲੈਣ ਵਾਲਿਆਂ ਨੂੰ ਕਿਉਂਕਿ ਇਹ ਵਰਕਸ਼ਾਪ ਸਮੂਹ ਕਾਲਜਾਂ ਲਈ NAAC ਕਰੈਡੀਟ ਲਈ ਲਾਜ਼ਮੀ ਹੋਵੇਗੀ। ਇਸ ਵਿੱਚ NAAC ਦੇ ਸਾਹਿਬ Dr. Pratibha Singh, Deputy Adviser, NAAC ਵੱਲੋਂ ਵਰਕਸ਼ਾਪ ਵਿਖੇ ਵਿਚਾਰ ਵਿਸਰੋਭ ਕਰਾ ਜਾਵੇਗਾ। ਜਿਨ੍ਹਾਂ ਕਾਲਜਾਂ ਵੱਲੋਂ ਹੁਣ ਤੱਕ Participants ਦੇ ਨਾਮ ਨਹੀਂ ਭੇਜੇ ਗਏ ਉਹ ਕਾਲਜਾਂ ਦੀ ਨਾਮ ਬੈਚਟ ਲਾਜ਼ਮੀ ਬਣਾਉਣ। ਇਸ ਵਰਕਸ਼ਾਪ ਲਈ ਰਜਿਸਟ੍ਰੇਸ਼ਨ ਫੀਜ਼ 1000/- ਰੁਪਏ Participants ਹੋਵੇਗੀ।

Participants ਦੇ ਫੋਨ ਨੰਬਰ, ਈਮੇਲ ਐਡਰੈਸ, ਕਾਲਜ ਦਾ ਨਾਮ ਅਤੇ ਰਜਿਸਟ੍ਰੇਸ਼ਨ ਫੀਜ਼ ਵਜੋਂ ਬਣਦੀ ਵਾਸੀ ਦਾ ਬੈਂਕ ਡਰਾਫਟ Capacity Building Workshop for NAAC Accreditation of Colleges ਦੇ ਨਾਮ 'ਤੇ ਬਣਵਾ ਕੇ ਭੇਜਿਆ ਜਾਵੇ।

ਬੈਂਕ ਅਕਾਊਂਟ ਨੰ: 38785356699

IFC Code No. SBIN0050009

ਰਜਿਸਟ੍ਰੇਸ਼ਨ ਲਈ ਲਿੰਕ

<https://docs.google.com/forms/a/1Tk1efO18b0LW9QxgrY3oYY006My8YCFawPj7j1fU/>

Signature  
ਮਿਤੀ 25/9/19

ਕਾਲਜ ਵਿਕਾਸ ਕੌਮਲ



Dean College Development Council

Is organizing

One Day

Capacity Building Workshop for  
NAAC Accreditation of Colleges

On September 30, 2019

**Registration Process:**

1. Either make DD of Rs. 1000/- or Deposit Rs. 1000/- through RTGS.
2. Open the weblink given below and fill the registration form.

<https://docs.google.com/forms/d/1K1a101860-LW90xgr73oYY006MV6YCFAVJP1711U/>

**Account Details:**

1. For making Demand Draft –  
Demand Draft of Rs. 1000/- in favor of "Capacity Building Workshop for NAAC Accreditation of Colleges" payable at Patiala.

2. For RTGS –

Bank Name and Branch : State bank of India, Punjabi University Patiala Branch

Account Name – Capacity Building Workshop for NAAC Accreditation of Colleges

Account Number – 38785356699

Further details Contact – Mr. Raj Kumar (9911869996)

## Workshop Schedule (30.09.2019)

### Registration and Tea

9.30 AM to 10.30 AM : Registration

10.00 AM to 10.45 AM: Inaugural Tea

### Inaugural Session

11.00 AM - 11.05 AM: University Dhuni

11.05 AM to 11.10 AM : Welcome Address by Dean Academic Affairs

11.10 AM to 11.15 AM : Introduction to the Workshop by Dean, College Development Council

11.15 AM to 11.30 AM: Presidential Address by Hon'ble Vice Chancellor and Felicitation of guest

11.30 AM-11.40 AM: Introduction about NAAC and Importance of Accreditation by Dr. Pratibha Singh NAAC Deputy Adviser

11.40 AM-11.45 Noon : Vote of Thanks Additional Dean, College Development Council

### Technical Session I

12.00 Noon to 1.00 pm: NAAC Presentation and interaction by Dr. Pratibha Singh

1.00 pm to 2.00 pm: Lunch

### Technical Session II

2.00 pm - 2.30 pm : Online SSR Module Demonstration by Ms. Nidhi Balakrishna

### Technical Session III

2:30 PM to 3:30 PM : Panel Discussion and Interaction

Panelists : Prof. (Dr.) Kirandeep, Prof. (Dr.) Ram Swarup, Prof. (Dr.) Nishan Singh, Prof. (Dr.) Navjot Kaur, Dr. Sanjeev Sharma, Dr. Darshan kaur

3:30 PM: Closing Remarks by IQAC In charge

Tea to be served inside 3:30 PM onward

Kr. Rajesh Gupta

← AAR →

अभयपत्र / Coeorder Folio

राजस्थान स्टेट बैंक 26/09/19

State Bank of India

स्थान / Branch

देव करने के लिए / For the Credit of

व्यक्ति/आपसी/कर्म/सोपे/ हाफ्त/नकर/सा/ मुफ्त खात/सा / SB/MO/CA/OD/DC/AGT

या अर्थ/वैयक्तिक/अप/मुफे/मजदरी/अप/ BTL/ATL

हाफ्त/अर/अनुप/वैयक्तिक/का.निहाय/मि.प्र/शे. नाम/निहाय/अप/Dras/T.ब.Dras/T.DR

फुल नाम / Full Name Shri. Rajesh Gupta

खात नंबर / Account No. 38785356699

विवरण Particulars	शे. नंबर Cash Note	रकम Amount	₹.	₹.
<u>26/09/19</u>	1000000	1000000		
	1000000	1000000		
	1000000	1000000		
	1000000	1000000		
	1000000	1000000		
	1000000	1000000		
	1000000	1000000		
	1000000	1000000		
	1000000	1000000		
	1000000	1000000		
कुल/Total				

अभयपत्र के उद्देश्य  
Signature of Depositor

अधिकृत अधिकारी  
Authorized Officer

109773114

Date: 24/02/2022

Received sum of Rs. 3915/- (Rupees Three Thousand Nine Hundred Fifteen only) from S.D. College, Barnala Visited by Dr. Rama Sharma, Dr. Rajesh Kumar Gupta and Prof. Gurmeet Singh dated 23.02.2022 from Barnala to Rayat and Bahra University, Khanna and back.

Total Expenditure (378@10/-)	3780/-
Toll Tax	135/-
Night Charges	-

Total Rs. 3915/-

Name: Gurmeet Singh  
PB19 S 5761,  
Subhash Gali College Road, Barnala  
Ph. No.97798-18581

*Duty leave verified of Dr. Rajesh K Gupta  
Prof. Gurmeet Singh on 23.2.22  
Mandak Panu  
25.2.22*

*Paid by me  
H.S.*

*Gurmeet*

**Attested**  
*Principal S.D. College  
Barnala*

*Paid ch. 902186 dt. 25/02/22  
A/c 53029557211/AR*

✓ 6.3.2

RECEIPT

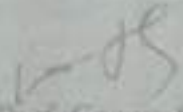
Dated 24.02.2022

Actual expenditure of by Dr. Rama Sharma, Dr. Rajesh Kumar Gupta and Prof. Gaurav Singh  
I. 23.02.2022 from Barnala to Rayat and Bahra University, Kharar on 23.02.2022 Capacity  
ding Workshop regarding NAAC. (Actual expenditure).

Refreshment 1000/-

Misc. Exp.

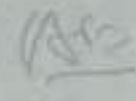
Total Rs. 1000/-

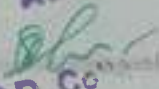
  
Name: Prof. Gaurav Singh



Duty leave verified of Dr. Rajesh K Gupta &  
Prof Gaurav Singh on dated 23-2-22  
Mandeep Kumar

Pass

en. 902188 dt. 25/02/22  
Attn 5029539311 

"Attested"  
  
Principal S.D. Co  
Barnala

RECEIPT

Dated: 07.03.2022

Received sum of Rs. 2203/- (Rupees Two Thousand Two Hundred Three only) from S.D. College, Barnala visited by Dr. Rajesh Gupta dated: 02.03.2022 from Barnala to Panjab University, Patiala and back regarding participation in Capacity Building Workshop organized by Dean College, Panjab University, Patiala.

Total Expenditure (224@) /-	1568/-
Toll Tax	135/-
Misc. Expenses (Registration Fee)	500/-

Total Rs. 2203/-

*[Signature]*  
 Name: Dr. Rajesh Gupta  
 PB: 19116677,  
 Barnala  
 Ph. No: 98720-41777

*[Signature]*  
*[Signature]*

Copy Invoice Verified of  
 Dr. Rajesh Gupta on date 02.03.2022  
 (only)

Pass  
 ch. 106143 dt. 16/03/2022  
 552-9559211 (only)

**Attested**  
*[Signature]*  
**Principal S.D. College**  
 Barnala

632

RECEIPT

Dated: 07.03.2022

Misc/Actual expenditure of Dr. Rajesh Gupta who visited Barnala to Punjabi University, Patiala on dated 07.03.2022 regarding participation in Capacity Building Workshop organized by Dentr Colleges, Punjabi University, Patiala.

(D.A.) 160/-

Misc. Exp.

Total Rs. 160/-

*Rajesh Gupta*

Name: Dr. Rajesh Gupta

Duty leave verified  
Dr. Rajesh Gupta  
on dated 07-03-2022 (verified)  
NR

Part  
Ch. - 106112 Dr. 16/03/22  
A/c No. 559559311 (A/c)

Attested  
*[Signature]*  
Principal S.D. College  
Barnala





# Internal Quality Assurance Cell (IQAC)

PUNJABI UNIVERSITY, PATIALA

(ESTABLISHED UNDER PUNJAB ACT NO. 35 OF 1961)

## Certificate of Participation


In


### Capacity Building Programme on

NAAC Accreditation Awareness Programme For Colleges

02 March, 2022

This is to certify that Dr. Rajesh Gupta, Associate Professor, S.D. College Barnala has attended Capacity Building Programme on 2<sup>nd</sup> March 2022 on the topic "NAAC Accreditation Awareness Programme For Colleges".

  
Dr. Rajesh K. Goel  
Director, IQAC

  
Principal  
S.D. College, BARNALA

  
Dr. Vishal Goyal  
Co-Coordinator, IQAC

# FINANCIAL SUPPORT DOCUMENT (2022-23)

## S. D. COLLEGE, BARNALA

2067  
23/12/22

No. of Encl: 2

Date of submission 22-12-22

### CONSOLIDATED DETAIL OF BILLS

Purpose of Purchase T.A. D.A Bill for D.P.I. Mohalit Sect. 42 chd.

S. No.	Name of the firm	Bill no. & date	Amount
1.	Gurmeet Singh Driver	-	4300
2.	Manoj Kumar	-	795
			5095/-

My leave  
subject of  
Sh. Manoj Kumar  
dated 20-12-2022 (Conc'd by)  
R.S.

Manoj Kumar  
Signature

Total amount of Bills 5095/-

Amount taken as advance -

Balance to be paid/Deposited Rs. 5095/-

If amount of advance exceeds the amount of expenditure please deposit excess amount in the bank and attach proof.

Manoj Kumar  
Signature

Certified that the amount was spent on the purpose for which it was sanctioned. The letter of sanction is attached herewith.

Manoj Kumar  
Signature

Clerk

Signature

Bursar

Principal

Paid

(Sh. Manoj Kumar)

RECEIPT

Dated : 22.12.2022

Received sum of Rs. 4300/- (Rupees Four Thousand Three Hundred only) from S.D.College, Barnala  
Visited by Dr. Rana Sharma, Dr. Rajesh Gupta and Sh. Manoj Kumar dated. 20.12.2022 from  
Barnala to Sector 42 Chandigarh, DPT Office, Mohali and back.

Total Expenditure (390@10/-)	3900/-
Toll Tax	400/-
Night Charges	.

Total Rs. 4300/-

*Manoj Singh*

Name: Gurneet Singh  
PB19 S 5761,  
Subhash Gali College Road, Barnala  
Ph. No.97798-18581

Payment made by me

*Manoj*

*Gupta*

Duty Leave Verified of Dr. Rajesh Gupta  
& Sh. Manoj Kumar on dated 20+2-2022  
(Conceded)  
*AB*

Paid

Ch. = 342845 dt. = 31/12/22

AB 5302955731 (AF)

RECEIPT

Dated :22.12.2022

Misc/Actual expenditure of by Dr. Rana Sharma, Dr. Rajesh Gupta and Sh. Manoj Kumar and driver who visited Barnala to Sector 42, Chandigarh on 20.12.2022 a Workshop regarding NAAC and DPI Office, Mohali. (Actual expenditure).

Refreshment

795/-

Misc. Exp.

Total Rs. 795/-

*Rajesh*

Name: Sh. Manoj Kumar

Duty leave Waived off  
Dr. Rajesh Gupta & SR Manoj Kumar  
on dated 20-12-2022 (Monday)  
AB

Paid

Ch- 34284520- 20/12/22

191229559371 AB



One-day NAAC Awareness Programme  
Organized by  
State Project Directorate, Rashtriya Uchchatar Shiksha Abhiyan  
Department of Higher Education, Chandigarh Administration  
for  
Principals and IQAC Coordinators of Punjab and Chandigarh



## Certificate of Participation

This is to Certify that Principal/Prof./Dr. **Dr. Rajesh Gupta** from **S.D. College Barnala** actively participated in One-day NAAC Awareness Programme organized by the Department of Higher Education, Chandigarh Administration at SABRAS Auditorium, Post Graduate Govt. College for Girls, Sector-42, Chandigarh on 20<sup>th</sup> December, 2022.

**Prof. Lakhvir Singh**  
Additional State Project Director  
Rashtriya Uchchatar Shiksha Abhiyan  
UT, Chandigarh

**Prof. Nisha Aggarwal**  
Principal  
Post Graduate Govt. College for Girls  
Sector-42, Chandigarh

**Sh. Amandeep Singh Bhatti, PCS**  
State Project Director-cum-  
Director Higher Education  
Chandigarh Administration

2023  
22/05/23

RECEIPT

Dated : 22.05.2023

Received sum of Rs.2500/- (Rupees Two Thousand Five Hundred only) from S.D.College, Barnala  
Visited by Dr.Rama Sharma, Principal and Rajesh Gupta dated. 08.05.2023 from Barnala to Modi  
College, Patiala and back.

Total Expenditure (Lumpsum)	2500/-
Toll Tax	-
Night Charges	-

Total Rs. 2500/-  
 -----  
 2500/- *PS*

*Paying made by me  
Rajesh Gupta*

Name: Davinder Singh  
PB31 U 1747,  
Barnala  
Ph. No. 98723-69221

*AB 10/6 AE  
[Signature]*

Duty Leave Verified  
of *Dr. Rama Sharma (Principal)*  
by *Dr. Rajesh Gupta* on dated *08/05/2023*  
(correctly)  
*AB*

Paid.  
Ch. no. 343113 AT. 21/05/23.  
[Signature] 2023.55 9311 (AE)



# Symposium

NEP 2020-POLICY PRAXIS

Monday, May 8, 2023

MULTANI MAL  
**MODI**  
COLLEGE

Reaccredited by NAAC  
Star College status by DBT, Govt. of India

This is to certify that Dr./Mr./Ms. Rajesh Gupta  
of S. D. College, Barnala  
has attended Symposium and participated in the Open House Discussion on

## NEP 2020-Policy Praxis

Organised by Internal Quality Assurance Cell (IQAC), Multani Mal Modi College, Patiala  
in collaboration with The Council for Teacher Education Foundation (CTEF) - Pb. & Chandigarh Chapter

  
Dr. (Mrs.) Satinder Dhillon  
Vice President (North)  
CTEF



  
Dr. Khushvinder Kumar  
Principal

**FINANCIAL SUPPORT Faculty of Physics (2022-23)**  
**S. D. COLLEGE, BARNALA**

No. of Encl: 5

Date of submission 10-2-2023

CONSOLIDATED DETAIL OF BILLS

26<sup>th</sup> Punjab Service Congress at Sri Guru Granth Sahib  
 Fatehgarh Sahib.

S. No	Name of the firm	Bill no. & date	Amount
1.	Sri Guru Granth Sahib World University, Punjab Science Congress	25508 / 7/2/23	2000/-
2.	"	25509 / 7/2/23	750/-
3.	"	25510 / 7/2/23	750/-
4.	"	25511 / 7/2/23	750/-
5.	"	25512 / 7/2/23	750/-
6.	TA of form students		1400/-

Kushwaha Rama  
 Head of DBT AC  
*[Signature]*

Total amount of Bills Rs 6400/-  
 Amount taken as advance Nil  
 Balance to be paid/Deposited Rs 6400/-

If amount of advance exceeds the amount of expenditure please deposit excess amount in the bank and attach proof.

Certified that the amount was spent on the purpose for which it was sanctioned. The letter of sanction is attached herewith

*[Signature]*  
 Signature

*[Signature]*  
 Clerk (intermediate) *[Signature]*  
 Subst.

*[Signature]*  
 Bursar

*[Signature]*  
 Principal



# SRI GURU GRANTH SAHIB WORLD UNIVERSITY

FATEHGARH SAHIB-140406, PUNJAB  
Ph. : 01763-234241, Website: www.sggswu.edu.in

No. .... 25508

Dated 07/02/23.

RECEIVED WITH THANKS FROM

Dr. Baltej Singh

sum of Rupees 2000/-

by Cash / Cheque / Draft No. Online payment Dated 25/01/23

Drawn on ..... on account of .....

₹	2000/-
---	--------

For Sri Guru Granth Sahib World University



26<sup>th</sup>

# PUNJAB SCIENCE CONGRESS

## NATIONAL CONFERENCE

ON

### "ENVIRONMENT, FOOD SECURITY AND HEALTH WITH REFERENCE TO CLIMATE CHANGE"

**FEBRUARY 7-9, 2023**

UNDER THE AEGIS OF  
**PUNJAB ACADEMY OF SCIENCES**

PATIALA

ORGANISED BY

**SRI GURU GRANTH SAHIB WORLD UNIVERSITY**

FATEHGARH SAHIB, PUNJAB

E-MAIL ABSTRACT @

[psc2023@sggswu.edu.in](mailto:psc2023@sggswu.edu.in)

## ORGANIZING COMMITTEE

**CHIEF-PATRON**

**PROF. A.S. BRAR**

Pro-Chancellor

**PATRON**

**PROF. PRIT PAL SINGH**

Vice-Chancellor

**CONVENER**

**PROF. S.S. BILLING**

Dean Academic Affairs

**CO-CONVENER**

**PROF. TEJBIR SINGH**

Dean Faculty of Basic & Applied Sciences

**ORGANIZING SECRETARY**

**DR. YADVINDER SINGH**

Department of Botany & Environmental Science

**JOINT SECRETARY(S)**

**DR. KAMALJEET KAUR**

Department of Computer Science

**DR. SUPREET BINDRA**

Department of Physiotherapy

**DR. RAHUL BADRU**

Department of Chemistry

**DR. MONIKA AIRI**

Department of Zoology

**DR. JASPREET KAUR**

Department of Agriculture

**DR. RUPINDER PAL SINGH**

Department of Food Processing Technology

**FOR MORE DETAILS**



Website: [www.sggswu.in](http://www.sggswu.in)

E-mail ID: [psc2023@sggswu.edu.in](mailto:psc2023@sggswu.edu.in)



**SRI GURU GRANTH SAHIB WORLD UNIVERSITY**  
Fatehgarh Sahib-140406 (Punjab)



## **26<sup>th</sup> PUNJAB SCIENCE CONGRESS**

**NATIONAL CONFERENCE**

**ON**

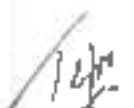
**ENVIRONMENT, FOOD SECURITY AND HEALTH WITH  
REFERENCE TO CLIMATE CHANGE**

**(FEBRUARY 07-09, 2023)**

### **CERTIFICATE**

This is to certify that Dr./Mr./Ms. **Baltej Singh Sidhu** of Department of Physics, S.D. College, Barnala, Punjab has participated and presented a paper entitled "**Study of X-ray absorption parameters of some biomedical Ti-Mo-Fe alloys**" during 26<sup>th</sup> Punjab Science Congress (PSC-2023) National Conference on "Environment, Food Security and Health with Reference to Climate Change" held at Sri Guru Granth Sahib World University, Fatehgarh Sahib (Punjab) under the aegis of Punjab Academy of Sciences, Patiala from February 07-09, 2023.

  
**Dr. Yadinder Singh**  
Organizing Secretary

  
**Prof. (Dr.) Tejbir Singh**  
Co-Convenor

  
**Prof. (Dr.) S.S. Billing**  
Convener

# S. D. COLLEGE, BARNALA

Date of submission .....

## CONSOLIDATED DETAIL OF BILLS

Purpose of Purchase ..... Attended 2nd National Conference on Radiation Phys  
NCRP-2022, Bangalore University

S. No.	Name of the firm	Bill no. & date	Amount
1.	2nd NCRP-2022, Department of Physics Bangalore University Bangaluru	Bill No - 103 date - 15/12/22	₹ 2000/-
			2000/-

Recommended  
Rs. 2000/- only  
from DBT Grant  
Karthikeyan Rana

A. H. D. D. B. T. A. C.  
A. H. D. D. B. T. A. C.

Total amount of Bills ..... 2000/-  
Amount taken as advance ..... nil  
Balance to be paid/Deposited ..... 2000/-

If amount of advance exceeds the amount of expenditure please deposit excess amount in the bank and attach proof.

Certified that the amount was spent on the purpose for which it was sanctioned. The letter of sanction attached herewith

Clerk  
DBT Cell Supdt.  
Bursar  
Principal  
Signature



## 2<sup>nd</sup> National Conference on Radiation Physics

December 15<sup>th</sup> -16<sup>th</sup>, 2022

**Department of Physics**  
**Bangalore University**  
**Bangaluru - 560056**

**Patron**

Dr. Jayakara S M

Vice Chancellor, Bangalore  
University

**Co- Patron**

Sri. Mahesh Babu

Registrar, Bangalore University

**Link to a Web page**

<http://www.ncrp2022.com>

**Contact Us**

**Dr. N. Nagaiah**

Convener, NCRP-2022  
Department of Physics  
Bangalore University  
Bangaluru-560056

Email : ncrp2022@gmail.com

nagaiahn@rediffmail.com

Mobile: +919449976890

+918147246536

Dear Dr. Manoj Kumar Gupta,

**Sub: Acceptance letter for presentation at NCRP 2022**

The Organising Committee of National Conference on Radiation Physics (NCRP 2022) has a great pleasure in thanking you for submitting your manuscript for presentation at NCRP 2022 which is scheduled during 15-16 December 2022 at Bangalore University, Bengaluru. I am happy to inform you that, the Technical Review Committee has **recommended your paper** entitled "A Study of Fundamental Aspect of Magnetized and Non-magnetized Ferromagnetic Materials" for presentation at the conference. The mode of presentation will be informed/updated in the conference website.

**You are hereby requested to complete the registration process (Online/Offline) at the earliest using the following link as it is mandatory for participation and presenting your work in the conference.**

For Registration - <https://forms.gle/wRaiNThK1Wgn4eERA>

In addition, you are hereby informed to submit the Full paper/Manuscript of your work for the favor of publication. The template of the manuscript is available in the conference website. **Submit the manuscript (not exceeding 6 pages) within 15<sup>th</sup> November 2022 using the following link**

For Manuscript Submission

<https://forms.gle/iARhKocq7z5s1AJp46>

We do hope you will have a pleasant and fruitful experience during your stay in Bengaluru.

With Best Regards,

**Dr. N. Nagaiah**

Convener, NCRP 2022.



# 2<sup>nd</sup> National Conference on Radiation Physics

Organised by  
Department of Physics, Bangalore University

## Certificate

This is to Certify that

Prof./Dr./Ms./Mr. Mangj... Kumar... Gupta..

has participated/delivered an invited talk/presented a paper (Oral/Poster) entitled  
A Study of Fundamental Aspect of Magnetized and  
Non-magnetized Ferromagnetic Materials.

in the 2<sup>nd</sup> National Conference on Radiation Physics (NCRP - 2022) held at Bangalore University,  
Bengaluru during 15<sup>th</sup> -16<sup>th</sup> December 2022.

Dr. N. Nagaiah  
Convener - NCRP 2022

Prof. V.V. Suresh Babu  
Dean - Faculty of Science





# VOUCHER

## S.D. COLLEGE, BARNALA

Voucher No.....

Date..... 27/02/23

Rs. P.

	Rs.	P.
<b>DEBIT</b> Recurring Exp. A/c		
Physics Teachers Training Program	2000	—
Quantum Mechanics		
<b>Total</b>	2000	—
<b>CREDIT</b> S.D. College I.C.T. Room No. 05/20100283	2000	—
Payment advice in the form of "Sanjay Kumar Singh"		
Payment advice SD 64/230207/1255 705 -2)		
<b>Total</b>	2000	—

Auth. Clerk (Signature) Supt.

Bursar

Principal

Handed over  
 For Rs.  
 on account of

Signature





INTERNATIONAL  
CENTRE FOR  
THEORETICAL  
SCIENCES

AN INSTITUTE OF FUNDAMENTAL RESEARCH

# Physics Teachers Training Program – Quantum Mechanics

The modern method of physics pedagogy promotes 'active learning', wherein students are active participants in the class instead of being passive listeners. This approach includes interactive classes, peer discussion, interactive simulations, and project-based learning.

Physics Teachers Training Program (PTTP) is a program to engage with motivated teachers from across India to introduce them to modern trends in physics teaching. The program from January 9-13, 2023 will focus on discussing Quantum Mechanics at the MSc level with interactive classes and discussion.

Physics Teacher Training Program (PTTP) is an extension for teachers of the highly successful Physics Training and Talent Search (PTTS) program (<https://www.ptts.org.in/>) for students. Over the past seven years, PTTS has organized several schools for undergraduate and postgraduate students following the active learning pedagogy.

This PTTP program is for motivated teachers teaching Quantum Mechanics at the MSc level. The emphasis will be on strengthening one's understanding of the topics in the MSc curriculum. The program is designed to be highly interactive and participants are expected to engage with the instructors and each other. It will also include project-based learning. Attempts will be made to include hands-on interactive simulations.

25 participants from across India will be selected for the program. This is a residential program and all participants are expected to stay on the ICTS campus.

## Organisers |

M Sivakumar (University of Hyderabad,  
Hyderabad, India)

Raghavan Rangarajan (Ahmedabad  
University, Ahmedabad, India)

SVM. Satyanarayana (Pondicherry  
University, Pondicherry, India)

## Speakers |

Arun Mangalam (Indian Institute of  
Astrophysics, Bangalore)

Kripa Gowishankar (Azim Premji  
University, Bangalore)

Koushik Datta (IISER Kolkata)

M Sivakumar (University of Hyderabad,  
Hyderabad)

## Registration Deadline:

December 26, 2022

January 9-13, 2023

Madhava Lecture

Hall

✉ [pttp@icts.res.in](mailto:pttp@icts.res.in)

🌐 <https://www.icts.res.in/discussion-meeting/PTTP2023>

**Eligibility criteria:** Teachers teaching Quantum  
Mechanics at the MSc level





ICTS-Programs/2023/48

13 January 2023

To whom it may concern

This is to certify that **Dr. Sanjay Kumar Singh, Department of Physics, S. D. College, Barnala, Punjab** participated in the discussion meeting "Physics Teachers Training Program – Quantum Mechanics" held from 09 January 2023 to 13 January 2023 at the ICTS campus, in Bengaluru.

The PTPP program is for motivated teachers teaching Quantum Mechanics at the MSc level. The emphasis will be on strengthening one's understanding of the topics in the MSc curriculum. The program is designed to be highly interactive and participants are expected to engage with the instructors and each other. It will also include project-based learning. Attempts will be made to include hands-on interactive simulations.

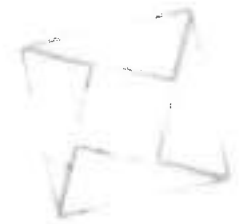
**Organiser**  
**M Sivakumar**  
**University of Hyderabad,**  
**Hyderabad, India**



ICTS

INTERNATIONAL  
CENTRE *for*  
THEORETICAL  
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH



---

## Physics Teachers Training Program – Quantum Mechanics

### CERTIFICATE OF PARTICIPATION

This certifies

**Sanjay Kumar Singh**  
**S. D. College, Punjab, India**

has successfully participated in the Physics Teachers Training Program – Quantum Mechanics held from 09 to 13 January 2023 at ICTS, Bengaluru, India.

**M Sivakumar**  
(Organizer)

# FINANCIAL SUPPORT

Faculty of Chemistry

2022-23

IAI

S. D. COLLEGE, BARNALA

Sl. No.

Date of submission

CONTRIBUTION TO FACULTY OF CHEMISTRY

Faculty development program - DBT  
(Recurring Head)

Pbi Uni Patiala

Dept. of Chemistry

To 2440

Amount

19/1/23

1500 - 00

Global Initiative of Academic Network

UPI-236310293235/500 - 00

88
20
+
+
+
4120
4120
+
+
+
4207

Princi

13

Total amount of bills 2000 - 00

Amount taken as advance

Balance amount paid/expected 2000 - 00

*[Signature]*

*[Signature]*

Principal

*[Signature]*

*[Signature]*



GLOBAL INITIATIVE OF ACADEMIC NETWORKS  
(GIAN)



Ministry of Human Resource Development  
Government of India

## PUNJABI UNIVERSITY, PATIALA



### GLAN COURSE ON

### Miniaturised Total Analysis Systems

Course Code : 196051M01

9 days ( 10<sup>th</sup> - 19<sup>th</sup>, January 2023)

Department of Chemistry

Punjabi University,

Patiala – 147002

Punjab

## REGISTRATION FORM

Those who registered online in GIAN portal shall pay the registration fee as detailed below. Others who are not registered online are hereby instructed to Register themselves in GIAN portal and Registration fee has to be paid as detailed below.

**HOW TO REGISTER in GIAN Portal?**

**Stage-1:** Web (Portal) Registration: Visit GIAN Website at the link: <http://www.gian.iitkgp.ac.in/GREGN/index> and create login User ID and Password.

Fill up the blank registration form and do web registration by paying Rs. 500/- online through Net Banking/Debit/Credit card.

This provides him/her with life time registration to enroll in any number of the GIAN courses offered. **Stage - 2: Course Registration (Through GIAN Portal):** Log in to the GIAN portal with the user ID and Password created.

Click on "Course Registration" option given at the top of the registration form.

Select the Course titled "**Miniaturised Total Analysis Systems**" :Course Code: 196051M01 from the list and click on "Save" option. Confirm your registration by Clicking on "Confirm Course".

**PAYMENT MODE:** DD for registration fee in favor of The Registrar, Punjabi University, Patiala payable through any Nationalized Bank at Patiala. DD should reach to Prof. Ashok Kumar Malik at the address given below.

### DETAILS OF REGISTRATION

Name (in Block letters)	
Designation / Highest Qualification	
Department	
Institute Name	
PIN	
Telephone	
Mobile	
Email	
Accommodation required?	YES / NO
DD Number	
Bank Name	
<b>CATEGORY OF PARTICIPANT:</b> (Faculty/student/Research Scholar)	
I agree to attend the course for the entire duration.	
Signature of the participant	Signature of the sponsoring authority with seal:
Date:	
Place:	



ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ  
PUNJABI UNIVERSITY, PATIALA

Established under Proviso No. 35 of 1980

Ministry of Human Resource Development  
Government of India



**Gian**

GLOBAL INITIATIVE FOR ACADEMIC NETWORKS

# GLOBAL INITIATIVE FOR ACADEMIC NETWORKS

## Certificate of Participation

This is to certify that Prof./Dr./Mr./Ms. Kulbhushan Rana

from Dept. of Chemistry, S.D. college, Barnala participated in the course

Miniaturised Total Analysis Systems  
(Course Code : 196051M01)

From  
10-20<sup>th</sup> January, 2023

*Arvind Kumar*

Prof. A.K. Malik  
Local Coordinator

*Arvind Kumar*

Prof. A.K. Malik  
Course Coordinator

*Arvind*  
Prof. Arvind  
Patron in Chief

Print this Page  
Application is submitted.

# Global Initiative of Academic Networks (GIAN)

FORM GIAN-1



*Kulbhushan Rama*  
*Rama*

*KPR*

**Name:** KULBHUSHAN RAMA

**Application Number:** 2015160817458

**Phone No.:** XXXXXXXX25

**Email:** XXXXXXXX@rediffmail.com

**Category:** GN

**Gender:** MALE

**Nationality:** INDIAN (PAN - XXXXXXXX5958) ;  
PASSPORT NO - XXXXXXXX581

**Date of Birth:** XX-XX-1972

**Present Occupation:** FACULTY

**Communication Address:** DEPARTMENT OF CHEMISTRY SD COLLEGE BARNALA, 148101 BARNALA, PUNJAB, PIN - 148101.

**Permanent Address:** DEPARTMENT OF CHEMISTRY SD COLLEGE BARNALA, 148101, BARNALA, PUNJAB, PIN - 148101.

**Payment Amount (in Rs.):** 500

**Payment Time:** 30-12-2022

**Transaction ID:** UPI-230310293234

Type	Organization	Place	Period Served From	Period Served To	Designation	Nature Of Work
TEACHING/ACADEMIC	SD COLLEGE BARNALA	BARNALA	21-10-2002	29-12-2022	ASSOCIATE PROFESSOR	TEACHING

Sr No	Course	Institute	Foreign Faculty	Duration	Course Coordinator
1	Miniaturised Total Analysis System	PU	Prof Rosanne MARJEKE Guifi (Australia)	10-01-2023 - 20-01-2023	Prof. Ashok Kumar Malik (malik_chem2002@yahoo.co.uk)

*Payment paid by me KPR*

CONSOLIDATED DETAIL OF BILLS

Purpose of Purchase: World Science Congress 2023, Thai Culture Congress, Phuket  
World University of Science, Phuket

No.	Name of the firm	Bill no. & date	Amount
1	World University of Science, Phuket	25446, 8.2.2023	2000/-
2	World University of Science, Phuket	25442, 8.2.2023	2000/-
3	"	25448, 8.2.2023	750/-
4	"	25456, 8.2.2023	750/-
5	"	25457, 8.2.2023	750/-
6	"	25449, 8.2.2023	750/-
7	"	25452, 8.2.2023	750/-
8	"	25453, 8.2.2023	750/-
9	"	25455, 8.2.2023	750/-
10	"	25454, 8.2.2023	750/-
11	"	25441, 8.2.2023	750/-
12	"	25458, 8.2.2023	750/-
	Total		11,500/-

Total amount of Bills 11,500/-

Amount taken as advance Nil

Balance to be paid/Deposited 11,500

Recommended  
Kulthushan Rama

If amount of advance exceeds the amount of expenditure please deposit excess amount in the bank and attach proof.

Rayni Gupk  
Signature

Certified that the amount was spent on the purpose for which it was sanctioned. The letter of sanction is attached herewith

Rayni Gupk  
Signature

Clerk (Signature)  
Sd/-

Principal (Signature)

Principal



**Executive Committee: Punjab Academy of Sciences**

**Office Bearers:**

- ◆ **President:** Prof. I. J. S. Bansal, Pb. Univ., Patiala
- ◆ **Vice President:** Prof. S. S. Hundal, PAU, Ludhiana
- ◆ **Secretary:** Prof. Tarlok Singh Pb. Univ., Patiala
- ◆ **Treasurer:** Prof. M. R. Dhambwal, Pbi. Univ., Patiala

**Executive Members**

- ◆ Prof. Pawan Krishan, Punjab University, Patiala
- ◆ Prof. M. C. Sidhu, Punjab University Chandigarh
- ◆ Prof. Harish Kumar Chopra, SLIET, Longowal
- ◆ Dr. Kamraj Singh, Punjab University Patiala
- ◆ Dr. Sandeep Sharma, GNDU, Amritsar
- ◆ Dr. Manoj Kumar Sharma, TIET, Patiala
- ◆ Dr. Amritpal Singh, Punjab University, Patiala

For queries/membership pertaining to Punjab Academy of Sciences, please contact: Prof. Tarlok Singh, Union Buildings, Punjab University, Patiala 147002 Punjab, India

E-mail: pasciences@gmail.com. Mobile No. +91-78861-13505

**Conference Advisory Committee**

- Prof. S.S. Goel, Vice-Chancellor, PAU, Ludhiana.
- Prof. Arvind, Vice-Chancellor, Punjab University Patiala
- Prof. Jaspal Singh Sandhu, Vice-Chancellor, GNDU, Amritsar.
- Prof. Raj Kumar, Vice-Chancellor, Punjab University, Chandigarh
- Prof. Sushil Mittal, Vice-Chancellor, SBS State Univ., Gurdaspur.
- Prof. B.S. Sidhu, Vice-Chancellor, MRSPTU, Bathinda.
- Prof. R.C. Subb, Former VC, Punjab University, Chandigarh.
- Prof. Daljit Singh, Vice-Chancellor, SGROUHS, Sri Amritsar.
- Prof. A.S. Ahluwalia, Pro-VC, Eternal University, Baru Sahib (H.P.)
- Prof. S.S. Dhallwal, SLIET, Longowal.
- Prof. Jit S. Khattar, Punjab University, Patiala.
- Prof. Balbir Singh Sandhu, Punjab University, Patiala.
- Prof. A. K. Taran, Punjab University, Patiala.
- Prof. Parmvir Singh, Punjab University, Patiala.
- Prof. P.S. Panesar, SLIET, Longowal.
- Prof. Navinder Singh, IIT, Ropar
- Prof. Maninder Singh, TIET, Patiala

**How to Reach**

Sri Guru Granth Sahib World University is located on the Fatehgarh Sahib-Chandigarh road about 4 Km from Amritsar-New Delhi National Highway (10 minutes journey), 50 Km from Ambala cantonment (1 hour journey), 45 Km from Chandigarh (1 hour Journey) and 250 Km from New Delhi (about 5 hour journey). The nearest airport is Chandigarh international airport (1 hour journey). The nearest railway stations are Sirhind: (5 Km and 10 minutes journey), Rajpura: (25 Km and 30 minutes journey) and Ambala Cant.: (50 Km and 7 hour journey).



**ORGANIZING COMMITTEE**

**CHIEF PATRON**

**PROF. A.S. BRAR**

Pro-Chancellor SGGSWU

**PATRON**

**PROF. PRIT PAL SINGH**

Vice-Chancellor, SGGSWU

**CONVENER**

**PROF. S.S. BILLING**

Dean Academic Affairs, SGGSWU

Mob: 95138-00013

**CO-CONVENER**

**PROF. TEJBIR SINGH**

Dean, Faculty of Basic & Applied Sciences, SGGSWU

Mob: 86729-00424

**ORGANIZING SECRETARY**

**DR. YADVINDER SINGH**

Assistant Professor,

Dept. of Botany & Environmental Science

Mob: 98769-30405

**QR CODE FOR REGISTRATION**



**FOR MORE DETAILS**

Website: [www.sggswu.edu.in](http://www.sggswu.edu.in)

E-mail: [psc2023@sggswu.edu.in](mailto:psc2023@sggswu.edu.in)



**26<sup>th</sup>**

**PUNJAB SCIENCE CONGRESS**

**NATIONAL CONFERENCE  
ON**

**"ENVIRONMENT, FOOD SECURITY AND HEALTH  
WITH REFERENCE TO CLIMATE CHANGE"**

**FEBRUARY 7-9, 2023**



UNDER THE AEGIS OF

**PUNJAB ACADEMY OF SCIENCES  
PATIALA**

ORGANISED BY

**SRI GURU GRANTH SAHIB WORLD UNIVERSITY  
FATEHGARH SAHIB**

# SRI GURU GRANTH SAHIB WORLD UNIVERSITY

FATEHGARH SAHIB-140406, PUNJAB  
Ph. : 01763-234241, Website: www.sggswu.edu.in

No. .... 25461

Life member : 1362 Dated 8/2/23  
~~2020~~

RECEIVED WITH THANKS FROM

Rajni Gupta

sum of Rupees

2000 /

by Cash / Cheque / Draft No.

online

Dated

19/3/23

Drawn on

on account of

₹

2000

For Sri Guru Granth Sahib World University  
Payment made by me Rajni Gupta



**SRI GURU GRANTH SAHIB WORLD UNIVERSITY**  
Fatehgarh Sahib-140406 (Punjab)



**26<sup>th</sup> PUNJAB SCIENCE CONGRESS**

**NATIONAL CONFERENCE**

**ON**

**ENVIRONMENT, FOOD SECURITY AND HEALTH WITH  
REFERENCE TO CLIMATE CHANGE**

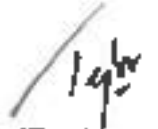
**(FEBRUARY 07-09, 2023)**

**CERTIFICATE**

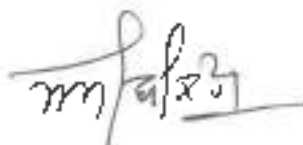
This is to certify that Dr./Mr./Ms. **Rajni Gupta** of Department of Chemistry, S.D. College, Barnala has participated and presented a paper entitled **"BIOBATTERY: THE LIVING POWER"** during 26<sup>th</sup> Punjab Science Congress (PSC-2023) National Conference on "Environment, Food Security and Health with Reference to Climate Change" held at Sri Guru Granth Sahib World University, Fatehgarh Sahib (Punjab) under the aegis of Punjab Academy of Sciences, Patiala from February 07-09, 2023.



**Dr. Yadvinder Singh**  
Organizing Secretary



**Prof. (Dr.) Tejbir Singh**  
Co-Convenor



**Prof. (Dr.) S.S. Billing**  
Convenor

# SRI GURU GRANTH SAHIB WORLD UNIVERSITY

FATEHGARH SAHIB-140406, PUNJAB  
Ph. : 01763-234241, Website: www.eggswu.edu.in

Dated 8/2/23

No. 25442

RECEIVED WITH THANKS FROM

Dr. Kulbushan Rana

Sum of Rupees 2000/-

by Cash / Cheque / Draft No. online

Dated 31/12/22

drawn on - on account of -

₹	2000/-
---	--------

For Sri Guru Granth Sahib World University  
Payment made  
by me Rajni Kaur

# Receipts Indicating fee payment

PUP(O)-11933-5

ਰਸੀਦ 'ਅ' ਫਾਰਮ ਨੰ: ਏ57 PUP(O)-11933-500x(50x2)/12-18  
ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ  
(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ: 35 ਤਹਿਤ ਸਥਾਪਤ)

ਨੰ: 73677



ਮਿਤੀ 23/02/23

ਸ਼ੀਮਾਨ/ਸ਼ੀਮਤੀ ..Mehak.deep..Kaur.....

ਤੋਂ ਰੁਪਏ.....Eight hundred only.....  
(ਸ਼ਬਦਾਂ ਵਿੱਚ) (Cash)

ਬਾਬਤ ...CRAC-2023.....

..... ਵਸੂਲ ਕੀਤੇ

ਰੁਪਏ ...800/- ਕੈਸ਼ੀਅਰ ਸੁਪਰਡੈਂਟ (ਕੈਸ਼)

ਜ਼ਰੂਰੀ ਨੋਟ : ਜਮ੍ਹਾਂ ਕਰਵਾਈ ਫੀਸ ਦੀ ਰਸੀਦ ਕਾਊਂਟਰ ਤੇ ਹੀ ਚੈਕ ਕਰ ਲਈ ਜਾਵੇ। ਬਾਅਦ ਵਿੱਚ ਸੋਧ ਲਈ ਬਣਦੀ ਤਰੁੱਟੀ ਫੀਸ ਚਾਰਜ ਕੀਤੀ ਜਾਵੇਗੀ।

ਰਸੀਦ 'ਅ' ਫਾਰਮ ਨੰ: ਏ57  
ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ  
(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ: 35 ਤਹਿਤ ਸਥਾਪਤ)  
ਨੰ: 73676 ਮਿਤੀ



ਸ਼ੀਮਾਨ/ਸ਼ੀਮਤੀ .....Savita.....Sood.....

ਤੋਂ ਰੁਪਏ.....Three thousand only.....  
(ਸ਼ਬਦਾਂ ਵਿੱਚ) (DD-774777)

ਬਾਬਤ ...CRAC-2023.....

ਰੁਪਏ ...3000/- ਕੈਸ਼ੀਅਰ  
ਜ਼ਰੂਰੀ ਨੋਟ : ਜਮ੍ਹਾਂ ਕਰਵਾਈ ਫੀਸ ਦੀ ਰਸੀਦ ਕਾਊਂਟਰ ਤੇ ਹੀ ਚੈਕ ਕਰ ਲਈ ਜਾਵੇ। ਬਾਅਦ ਵਿੱਚ ਸੋਧ ਲਈ ਬਣਦੀ ਤਰੁੱਟੀ ਫੀਸ ਚਾਰਜ ਕੀਤੀ ਜਾਵੇਗੀ।

ਰਸੀਦ 'ਅ' ਫਾਰਮ ਨੰ: ਏ57 PUP(O)-11933-500x(50x2)/12-18  
ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ  
(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ: 35 ਤਹਿਤ ਸਥਾਪਤ)

ਨੰ: 73678



ਮਿਤੀ 23/02/23

ਸ਼ੀਮਾਨ/ਸ਼ੀਮਤੀ ..Aanchal..Rani.....

ਤੋਂ ਰੁਪਏ.....Eight hundred only.....  
(ਸ਼ਬਦਾਂ ਵਿੱਚ) (Cash)

ਬਾਬਤ ...CRAC-2023.....

..... ਵਸੂਲ ਕੀਤੇ

ਰੁਪਏ ...800/- ਕੈਸ਼ੀਅਰ ਸੁਪਰਡੈਂਟ (ਕੈਸ਼)

ਜ਼ਰੂਰੀ ਨੋਟ : ਜਮ੍ਹਾਂ ਕਰਵਾਈ ਫੀਸ ਦੀ ਰਸੀਦ ਕਾਊਂਟਰ ਤੇ ਹੀ ਚੈਕ ਕਰ ਲਈ ਜਾਵੇ। ਬਾਅਦ ਵਿੱਚ ਸੋਧ ਲਈ ਬਣਦੀ ਤਰੁੱਟੀ ਫੀਸ ਚਾਰਜ ਕੀਤੀ ਜਾਵੇਗੀ।

2022-23  
Dr. Rana



**SRI GURU GRANTH SAHIB WORLD UNIVERSITY**  
Fatehgarh Sahib-141006 (Punjab)




**26<sup>th</sup> PUNJAB SCIENCE CONGRESS**

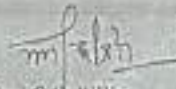
**NATIONAL CONFERENCE  
ON  
ENVIRONMENT, FOOD SECURITY AND HEALTH WITH  
REFERENCE TO CLIMATE CHANGE  
(FEBRUARY 07-09, 2023)**

**CERTIFICATE**

This is to certify that Dr./Mr./Ms. Kulbhushan Rana of Department of Chemistry, S.D. College, Barnala, Punjab has participated and presented a paper entitled "Synthesis and in vivo Spasmolytic Evaluation of Substituted Dihydropyrimidines" during 26<sup>th</sup> Punjab Science Congress (PSC-2023) National Conference on "Environment, Food Security and Health with Reference to Climate Change" held at Sri Guru Granth Sahib World University, Fatehgarh Sahib (Punjab) under the aegis of Punjab Academy of Sciences, Patiala from February 07-09, 2023.

  
Dr. Yadvinder Singh  
Organizing Secretary

  
Prof. (Dr.) Tejbir Singh  
Co-Convenor

  
Prof. (Dr.) S.S. Billing  
Convener

2022-23 Srivastava 2000/-

S. D. COLLEGE, BARNALA  
(From DBT Recurring Grant)

No. of bill ..... 03

Date of submission .....

CONSOLIDATED STATEMENT OF BILLS

Invoice of purchase: Est. International Conference U.R.A.C.-2023 at Pbi. University Pa dated Feb 23-24, 2023

S. No.	Name of the firm	Bill No. & Date	Amount
1.	Pbi. University Patiala	73676/23.2.23	Rs 2000/-
2.	Pbi. University Patiala	73677/23.2.23	Rs 800/-
3.	Pbi. University Patiala	73678/23.2.23	Rs 800/-
4.	TA @ Rs 260/- Per student for two students		Rs 520/-

Recommended  
Kiana

Total amount of bills ..... Rs 4120/-

Amount taken as advance: Nil

Balance to be paid/Deposited ..... Rs 4120/-

I, the undersigned, hereby certifies the amount of expenditure above deposited/excess amount to the bank and a/c. pro.

  
2023/02/24

I certify that the amount was spent on the purpose for which it was sanctioned. The letter of sanction attached herewith.



Clerk

Supdt.

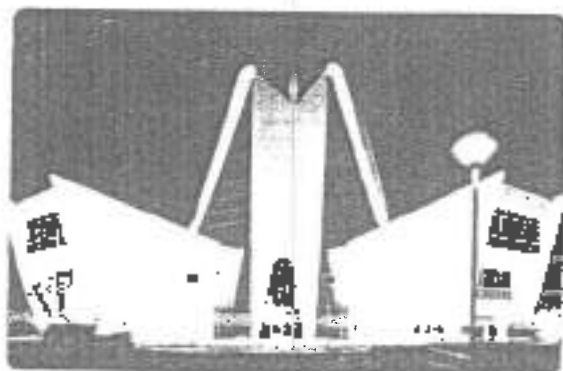
Bursar

Principal

# 3<sup>rd</sup> IN SERIES AND INTERNATIONAL CONFERENCE

## ON Recent Advances in Chemistry

February 23-24, 2023



(Established Under Punjab Act No. 35 of 1961)

## DEPARTMENT OF CHEMISTRY

Punjabi University, Patiala - 147 002 (Punjab)  
UGC-SAP DRS - III Assisted Department

The organizing committee, to date, invites you and your colleagues to participate in the deliberations of the 3<sup>rd</sup> in Series and 1<sup>st</sup> International Conference on Recent Advances in Chemistry-2023 (CRAC-2023) to be held during February 23-24, 2023 at the Department of Chemistry, Punjabi University, Patiala.

### INSTITUTION

The Punjabi University, accredited as 'A grade' by NAAC, located in the erstwhile princely city of Patiala, in the southeast of Punjab, was established on April 30, 1961. After the name change to Punjabi University, it is the only university named after a language. In addition to its primary objective of developing and promoting the Punjabi language and culture, the university fulfills the educational and social requirements of the people of Punjab and nearby states. Keeping pace with the developments in the educational field worldwide, the university has evolved as a multi-faceted and multi-faculty educational institution with over eighty five teaching and Research Departments.

The Department of Chemistry, one of the first three Departments which started functioning with the inception of Punjabi University in 1963, initially the Department started functioning with courses specialising in Organic, Inorganic and Physical Chemistry. In the later stages, Analytical and Applied Chemistry specializations were also introduced in 1974. M.Sc. in Chemistry started with an added to the list of courses. In the Department, the Bio-chemistry specialisation and Forensic Science sector, have now developed into full-fledged and independent Departments of Bacteriology and Forensic Science, respectively. The Ministry of Education, Government of India, has recognised the Department of Chemistry as the centre for pollution control and environmental analysis. Currently, the Department offers Organic, Inorganic and Physical Chemistry specialisations to M.Sc. and M.Phil. students. The Department has been awarded SAP DRS-III (2014-2019) and DST (2009-2014) assistance by UGC, New Delhi and DST, New Delhi, respectively. The Department has well established instrumentation labs equipped with GC-MS, HPLC, Analyser, UV-Visible, UV-Visible Spectro Fluorimeter, FT-IR, ICP-OES, AAS, HPLC and HPLC-MS/MS chromatography systems. Apart from teaching assignments the faculty of the Department is engaged in both Government and industry sponsored major research projects.

### PATIALA

The princely city of Patiala, in India, is a vibrant spectrum of Rajput, Mughal and Punjabi cultures in the land of modernity and tradition. Patiala is well known by the rest of the world. It was founded by Baba Ala Singh about 200 years ago. The city has several educational institutions like PFI, PGI, Jinnah Law Institute, Guru Nanak Medical College, State College of Dental, PGI, College of Education, Commerce College and the University of Health Sciences. The city has a status of being a Smart City and is the only Smart City in Punjab, India. It is also a well known tourist destination. The city is the 3<sup>rd</sup> largest in Punjab.

Website: [www.punjabuniversity.ac.in](http://www.punjabuniversity.ac.in)

### ABOUT THE CONFERENCE

The 3<sup>rd</sup> in Series and 1<sup>st</sup> International Conference is organized by the Department of Chemistry, Punjabi University, Patiala. The primary objective of the National Conference is to innovative and simultaneously promote cutting-edge research in the context of a new paradigm in Chemistry, Environmental Sciences and Advanced Innovation. The deliberations will explore the new dimensions in the field of design, synthesis and sustainable green chemistry, computational chemistry, quantum technologies and environmental issues, pollution control, and environmental technologies. The special emphasis will be on the current issues related to Chemical and Environmental Sciences, interdisciplinary areas. Also, this Conference will be able to bring together tertiary, researchers and industrialists on a common platform to help generate and discuss some of the well-researched collaborations in the field of Emerging fields: Engineering, Bioinformatics, Nano Science, Material and Security Science during a special technical session with special emphasis on how the innovation in information technology in the Post Genomic Era is transforming Chemistry. The outcome of these deliberations will be highly beneficial for researchers in chemistry, Bio-chemists and Environmental Science. The technical programme includes a Key Note Address by Prof. Philippe Schmitt Koppen, ULM, Germany and Plenary Talk by Prof. Arvind, Vice Chancellor, Punjabi University, Patiala, Prof. Mark C. Bhargava, University of Sussex, Brighton, UK, Prof. Imran, Al-Jamia Miya Islamia, New Delhi and Prof. Rossane Gujt, Deakin University, Australia. The conference format also includes Poster Presentations and free time to interact and network with conference participants of the Conference. Create an atmosphere intended to nurture the process and connections and ensure the advancement of the field. Participants will have intense intellectual engagement and off-the-record dialogues and unpublished work.

The conference provides the analysis work of the scientific experience from varied scientific backgrounds and therefore, young researchers and students may perceive the same. We are excited about the outcome and success of the conference will be fruitful, enjoyable and worthwhile.

### CALL FOR PAPERS

The participants are requested to submit the Abstracts (maximum 250 words) of their papers typed in MS Word, Times New Roman font, 12 point with single spacing or A4 size with 3 cm right and 5 cm left, 2.5 cm top and bottom margins through e-mail to Dr. Poonam Patyar, Technical Programme Committee, on [crac2023@gmail.com](mailto:crac2023@gmail.com) or [crac2023@punjabuniversity.ac.in](mailto:crac2023@punjabuniversity.ac.in) in MS Word format with above said specifications. The names of the presenting author of the poster/oral should be bold and underlined. The posters should be 1 meter x 1 meter in dimension. The abstract will be published in the Abstract Book after receiving the registration fee. The three best posters will be awarded prizes.

Dr. Poonam Patyar  
Convener - Technical Programme Committee

CRAC-2023

Contact: [crac2023@punjabuniversity.ac.in](mailto:crac2023@punjabuniversity.ac.in)



### CONTACT PERSONS

**Singh** Professor (Dr.) Ashok Kumar Malik  
 2023 Coordinator, CRAC-2023  
 24107914  
 chem@yahoocorp.in e-mail: mail\_chem@yahoo.co.uk

**Professor (Dr.) Mohamad Yusuf**  
 Organizing Secretary, CRAC-2023  
 Department of Chemistry  
 Punjabi University, Patiala - 147 002  
 Mobile: +91-9465540076  
 e-mail: yusuf\_ah04@yahoo.co.in

### REGISTRATION FEE

Academics:	Rs. 3,000/-	M.Sc. Students:	Rs. 800/-
*Research Students:	Rs. 2,000/-	Accompanying Person -	Rs. 1,000/-
Industry	Rs. 3,500/-	Foreign Delegate	USD 250/-

The registration form to be sent by e-mail to Dr. Ashok Kumar Singh in favour of the organizing secretary, CRAC-2023 and available at Patiala. Spot registration for on-site person may (see terms and conditions on-line) will also be available if necessary.

### ACCOMMODATION AND TRAVEL

Accommodation will be provided for all registered participants by campus and a fee will be charged for the stay of the Conference. All participants should make their own arrangements and travel must be at their own expense. Dr. Jaandeer Singh Aslam (Convener, Accommodation & Travel Committee) e-mail: chemjash@punjabu.ac.in. Mobile: 91-9873074715

### IMPORTANT DATES AND DEADLINES

Receipt of Abstracts: January 31, 2023  
 \*Information about acceptance of Abstracts: February 15, 2023  
 Registration form along with request for accommodation: February 20, 2023  
 Students should submit proof of the studentship through a valid identity card and the Registration form.  
 \*Abstracts (if) will be published in the Abstract Book only after receiving the registration fee.

### NATIONAL ADVISORY COMMITTEE

**Prof. (Dr.) Jaandeer Singh** Vice-Chancellor (Punjab) University, Patiala  
**Dr. N. K. Kishore** Director General, IIT, New Delhi  
**Dr. B. Chandra Shekar** Secretary, IIT, Bombay, New Delhi  
**Prof. (Dr.) M. Jagadeesh Kumar** Chairman, IIT, New Delhi  
**Prof. (Dr.) G. V. Subrahmanyam** Vice-Chancellor, Anna University, Chennai  
**Prof. (Dr.) S. G. Samanta** President, IIT, Kharagpur  
**Prof. (Dr.) S. C. Mishra** Department of Organic and Physical Chemistry, IIT, Kharagpur  
**Prof. (Dr.) S. K. Mishra** Director, IIT, Kharagpur

**Dr. J. Singh** Convener, Punjabi University, Patiala  
**Prof. (Dr.) Ashok K. Malik** Vice-Chancellor, Punjabi University, Patiala  
**Prof. (Dr.) Jaandeer Singh** Vice-Chancellor, Punjabi University, Patiala  
**Dr. Arvind Sharma** Senior Principal Scientist, ICR, CSIR, Patiala  
**Prof. (Dr.) Manjit Singh** Chairman, Department of Chemistry, IIT, Patiala  
**Prof. (Dr.) Neeraj Kumar** Professor, Department of Chemistry, IIT, Patiala  
**Prof. (Dr.) Jaandeer Singh** Department of Chemistry, IIT, Patiala  
**Prof. (Dr.) Manjit Singh** Head, School of Chem & Biochem, TIET, Patiala  
**Prof. (Dr.) Jaandeer Singh** Department of Chemistry, IIT, New Delhi  
**Prof. (Dr.) S. K. Mishra** Department of Chemistry, IIT, Patiala  
**Prof. (Dr.) Jaandeer Singh** Department of Chemistry, Punjabi University, Patiala  
**Prof. (Dr.) Jaandeer Singh** Department of Chemistry, Punjabi University, Patiala  
**Prof. (Dr.) Neeraj Kumar** Punjabi University, Patiala

### LIST OF SPEAKERS

<b>Prof. Philippe Bovey</b> (Kopple)	Invited Speaker	TUM, Germany
<b>Prof. Arvind</b>	Plenary Talk	ICR, CSIR, Punjab University, Patiala
<b>Prof. Dr. S. K. Mishra</b>	Plenary Talk	India, IIT, Patiala
<b>Prof. Manjit Singh</b>	Plenary Talk	University of Surrey, Brighton, UK
<b>Prof. Jaandeer Singh</b>	Plenary Talk	Deakin University, Australia
<b>Prof. (Dr.) S. K. Mishra</b>	Invited Speaker	IIT, Kharagpur
<b>Senior Principal Scientist</b>	Invited Speaker	ICR, CSIR, Patiala
<b>Prof. (Dr.) S. K. Mishra</b>	Invited Speaker	IIT, Patiala
<b>Prof. (Dr.) S. K. Mishra</b>	Invited Speaker	IIT, Patiala
<b>Prof. (Dr.) S. K. Mishra</b>	Invited Speaker	ICR, CSIR, Patiala
<b>Prof. (Dr.) S. K. Mishra</b>	Invited Speaker	IIT, Patiala

### ORGANIZING COMMITTEE

**Prof. (Dr.) Baljit Singh** Convener  
**Prof. (Dr.) Ashok K. Malik** Coordinator  
**Prof. (Dr.) Mohamad Yusuf** Organizing Secretary  
**Dr. Pranam Batyar** Treasurer cum Convener, Technical Programme

### Registration Form

13<sup>th</sup> in series and 1<sup>st</sup> International Conference on Recent Advances in Chemistry: CRAC-2023  
 Punjabi University, Patiala, Punjab, India  
 February 23-24, 2023

Name of the Participant: \_\_\_\_\_  
 Designation: \_\_\_\_\_ Sex: \_\_\_\_\_ Male/Female  
 Institute: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_  
 Mobile: \_\_\_\_\_ Fax: \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 Type of Presentation: \_\_\_\_\_ Poster/Oral  
 Title of the Research Paper: \_\_\_\_\_  
 Registration Fee Amount, Rs: \_\_\_\_\_  
 Draft No. \_\_\_\_\_ Dated \_\_\_\_\_  
 Name and Age of the Accompanying Person:  

No.	Name	Age
1	_____	_____
2	_____	_____

 Is Accommodation Required? Yes/No: \_\_\_\_\_  
 Period: from \_\_\_\_\_ to \_\_\_\_\_  
 Date: \_\_\_\_\_ Signature: \_\_\_\_\_

The registration form may please be sent to:  
**Professor (Dr.) Mohamad Yusuf**  
 {Organizing Secretary, CRAC - 2023}  
 Department of Chemistry  
 Punjabi University, Patiala - 147 002 (Punjab)  
 Mobile: 91-9465540076  
 E-mail: yusuf\_ah04@yahoo.co.in

13<sup>th</sup> in series and 1<sup>st</sup> International Conference on Recent Advances in Chemistry - 2023

**(CRAC-2023)**


February 23-24, 2023


Department of Chemistry, Punjabi University, Patiala

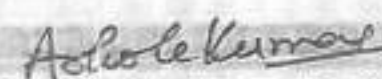


## CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms. Savita Sood of S.D. College  
Bannala has participated / presented a poster / given an oral  
presentation/delivered an invited lecture / chaired a technical session entitled Role of Fish Oil in Human  
Health - A Review in the 13<sup>th</sup> in series and  
1<sup>st</sup> International Conference on Recent Advances in Chemistry - 2023 (CRAC-2023), organized by the Department of  
Chemistry, Punjabi University, Patiala on February 23-24, 2023.

  
Prof. (Dr.) Baljit Singh  
Convener

  
Prof. (Dr.) Mohamad Yusuf  
Organizing Secretary

  
Prof. (Dr.) Ashok K. Malik  
Coordinator



VOUCHER  
**S.D. COLLEGE, BARNALA**

Voucher No. .... Date: 28/2/23 Rs. P.

DEBIT		Rs.	P.
T.A. and Reimbursement for of Foreign		8400	-
Subit			
Total		8400	-
CREDIT		Rs.	P.
Payment advance to the amount of Rs.		8400	-
T.A. Bill of Four Students			
Total		8400	-

Auth. Clerk: *[Signature]* Bursar: *[Signature]* Principal: *[Signature]*

6.	Univ. Punjab Seizure Congress National Conference	25466	750/-	✓
7.	T.A. Bill of Four Students		1400/-	✓
			Rs. 8400/-	

*Recommended for payment*  
*K. K. K.*

*2020 DEE AZ*  
*R.K.*

Total amount of Bills Rs. 8400/-

Amount taken as advance \_\_\_\_\_

Balance to be paid/Deposited *Rs. 8400/-*

amount of advance exceeds the amount of expenditure please deposit excess amount in the bank and attach

*Manish Kumar*  
 Signature

was spent on the purpose for which it was sanctioned. The letter of sanction is

12007-

# S. D. COLLEGE, BARNALA

No. of Encl. \_\_\_\_\_

Date of submission \_\_\_\_\_

## COMPREHENSIVE STATEMENT OF BILLS

Purpose of Expenditure: Registration fee for Punjab Science Congress held at Sri Ganga Gram, Sahibzada Ajit Singh University, Ludhiana (P.B.T.)

S. No.	Name of the Bill	Amount (Rs.)	✓
1	Sri Ganga Gram, Sahibzada Ajit Singh University, Ludhiana (P.B.T.)	25438	
2	Sri Ganga Gram, Sahibzada Ajit Singh University, Ludhiana (P.B.T.)	2000/-	✓
3	Sri Ganga Gram, Sahibzada Ajit Singh University, Ludhiana (P.B.T.)	2000/-	✓
4	Sri Ganga Gram, Sahibzada Ajit Singh University, Ludhiana (P.B.T.)	750/-	✓
5	Sri Ganga Gram, Sahibzada Ajit Singh University, Ludhiana (P.B.T.)	750/-	✓
6	Sri Ganga Gram, Sahibzada Ajit Singh University, Ludhiana (P.B.T.)	750/-	✓
7	T.A. Bill of some students	1400/-	✓
<b>Total</b>		<b>Rs. 8400/-</b>	

Recommended for payment  
Kishan

*(Signature)*  
Date: 20/08/23

Total amount of bills Rs. 8400/-

Amount taken as advance \_\_\_\_\_

Balance to be paid/Deposited **Rs. 8400/-**

If amount of advance exceeds the amount of expenditure please deposit excess amount in the bank and attach proof

*(Signature)*  
Signature

Certified that the amount was spent on the purpose for which it was sanctioned. The letter of sanction is attached herewith

*(Signature)*  
Signature

*(Signature)*

*(Signature)*

*(Signature)*

# SRI GURU GRANTH SAHIB WORLD UNIVERSITY

FATEHGARH SAHIB-140406, PUNJAB  
Ph. : 01763-234241, Website: www.sggswu.edu.in

No. 25438

Dated 8/2/23

RECEIVED WITH THANKS FROM

Dr. Manish Kumar

sum of Rupees 2000 / -

By Cash / Cheque / Draft No. online Dated 19/1/23

Drawn on \_\_\_\_\_ on account of \_\_\_\_\_

₹ 2000 / --

  
For Sri Guru Granth Sahib World University

# SRI GURU GRANTH SAHIB WORLD UNIVERSITY

FATEHGARH SAHIB-140406, PUNJAB  
Ph. : 01763-234241, Website: www.sggswu.edu.in

No. 25440

Dated 8/2/23

RECEIVED WITH THANKS FROM

Dr. Amardeep Kaur

Amount of Rupees 2000/-

Mode of Cash / Cheque / Draft No. online Dated 19/1/23

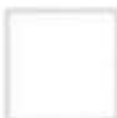
Drawn on ..... on account of .....

₹ 2000/-

For Sri Guru Granth Sahib World University



You  
today at 2:31 PM





**SRI GURU GRANTH SAHIB WORLD UNIVERSITY**  
**Fatehgarh Sahib-140406 (Punjab)**



**26<sup>th</sup> PUNJAB SCIENCE CONGRESS**

**NATIONAL CONFERENCE**

**ON**

**ENVIRONMENT, FOOD SECURITY AND HEALTH WITH  
REFERENCE TO CLIMATE CHANGE**

**(FEBRUARY 07-09, 2023)**

**CERTIFICATE**

This is to certify that Dr./Mr./Ms. **Amardeep Kaur** of **SD College, Barnala, Punjab** has participated and presented a paper entitled "**Effect of Different Manures and Chemical Fertilizer on the Growth of Brassica Seedlings**" during 26<sup>th</sup> Punjab Science Congress (PSC-2023) National Conference on "Environment, Food Security and Health with Reference to Climate Change" held at Sri Guru Granth Sahib World University, Fatehgarh Sahib (Punjab) under the aegis of Punjab Academy of Sciences, Patiala from February 07-09, 2023.

**Dr. Yadvinder Singh**  
Organizing Secretary

**Prof. (Dr.) Tejbir Singh**  
Co-Convener

**Prof. (Dr.) S.S. Billing**  
Convener



Botany 750/- + 750/- 18/11/2022 Botany



# VOUCHER S.D. COLLEGE, BARNALA

Date 23/11/22

Voucher No

DEBIT

To Stationery for ...  
the purchase of ...  
Stationery ...

Total

Rs.	P.
1500	-
130	
1500	

CREDIT

By Payment ...  
By Payment ...  
By Payment ...

Total

1500	
------	--

Rs. one thousand five hundred

Auth. Clerk

(Signature)

Bursar

Principal

Handed over

Total

Rs. 1500/-

Amount to DBTA

1500/-

(Signature)

Rs. 1500/-

20/3/23

Registration fee for 4th National Research Scholars Meet-2023 held at Sri Lanka Open University, Jaffna, Sri Lanka

- 1. Sri Lanka Open University 25732 750/-  
University: Registration fee (Sri Lanka) 3/3/23
- 2. Sri Lanka Open University 25733 750/-  
University: Registration fee (Sri Lanka) 3/3/23

Handwritten notes or signature on the left side of the page.

1500/-

Handwritten signature or name at the bottom right.

Handwritten signature or name at the bottom right.

**GURU GRANTH SAHIB WORLD UNIVERSITY**

FATEHGARH SAHIB-140406, PUNJAB  
Ph: 01763-234241, Website: www.sggswu.edu.in

No. 25732

Date 3-3-23

RECEIVED WITH THANKS FROM

Manish Kumar

Sum of Rupees Seven Hundred Fifty Only

by Cash / Check / Dish No. Dr. Vivek Thakore no. 21-2-23

Signature Manish Kumar  
Manish Kumar  
750/

**AI GURU GRANTH SAHIB WORLD UNIVERSITY**

FATEHGARH SAHIB-140406, FUKIJAS  
Ph : 01762-234241, Website: www.agsw.edu.in

Dated 2.3.23.

25733

RECEIVED WITH THANKS FROM

Anurdeep Kaur

Sum of ₹/pees

Seven Hundred Fifty Only

Dated 28.2.23

By Cash / Cheque / Draft No.

Online Transfer

Drawn on

on account of  
Payment made by me  
Mandeep Kaur

Research Meet 23

For AI Guru Granth Sahib World University

₹	750/-
---	-------



You  
today at 2:31 PM





# SRI GURU GRANTH SAHIB WORLD UNIVERSITY

Fatehgarh Sahib -140406 (Punjab)

## 4th National Research Scholars - MEET 2023

CONFERENCE ON

**"EVOLVING TRENDS AND CHALLENGES IN MULTIDISCIPLINARY RESEARCH"**

**(MARCH 16-17, 2023)**

### *Certificate of Participation*

This is to certify that Dr./Mr./Ms. Amardeep Kaur has participated and presented a paper/poster entitled Effect of Different Light Radiations on the growth of Fungal Filaments (Rhizopus Species) in 4<sup>th</sup> NATIONAL RESEARCH SCHOLARS MEET: Conference on "EVOLVING TRENDS AND CHALLENGES IN MULTIDISCIPLINARY RESEARCH" held at Sri Guru Granth Sahib World University, Fatehgarh Sahib in collaboration with Indian Science Congress Association (Patiala Chapter) on 16-17<sup>th</sup> March 2023

  
Coordinator

  
Organizing Secretary

  
Convener

10/01/23

Zoology

No. of Encl: .....

Date of submission 10.02.2023

CONSOLIDATED DETAIL OF BILLS

Purpose of Purchase for Registration fees etc. to participate in National Conference, Pargal Science Congress at Guru Granth Sahib World University, Patiala Punjab

S. No.	Name of the firm	Bill no. & date	Amount
1.	Registration fee for Dr. Renu Bala	25432 (8.2.23)	2000/- ✓
2.	Registration fee for Dr. Kamaldeep Kaur	25431 (8.2.23)	1000/- ✓
3.	Registration fee for Gagandeep Kaur Student	25433 (8.2.23)	750/- ✓
4.	Registration fee for Gurpreet Singh Student	25434 (8.2.23)	750/- ✓
5.	T.A. for 2 Students	-	700/- (350x2)
6.	Shree Advertisers, Barnala	2045 (7.2.23)	120/-
7.	Shree Advertisers, Barnala	2044 (7.2.23)	120/-
Total			Rs. 6440/-

Recommended  
Kuldeep

Dr. Renu Bala  
B.A.

Total amount of Bills 6440/-

Amount taken as advance .....

Balance to be paid/Deposited Rs. 6440/-

If amount of advance exceeds the amount of expenditure please deposit excess amount in the bank and attach proof

Signature

Certified that the amount was spent on the purpose for which it was sanctioned. The letter of sanction is attached herewith

Dr. Renu Bala (B.A. Clerk)

Bursar

Principal

Signature

# ANANTH SAHIB WORLD UNIVERSITY

FATEHGARH SAHIB-140406, PUNJAB  
T: 01763-234241, Website: www.sgswwu.edu.in

25432

Life Member

Dated 8/2/23

RECEIVED WITH THANKS FROM

Renu Bala

AMOUNT IN RUPEES

2000/-

by Cash / Cheque / Draft No.

Online

Dated 16/11/23

Drawn on

ON ACCOUNT OF

₹	2000	-
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*GB*

*(S)*

For Sri Guru Granth Sahib World University



# GRANTH SAHIB WORLD UNIVERSITY

FATEHGARH SAHIB-140406, PUNJAB  
n. : 01763-234241, Website: www.sggswu.edu.in

Dated 8/2/23

25431

RECEIVED WITH THANKS FROM

Kamalpreet Kaur

sum of Rupees 2000 / -

by Cash / Cheque / Draft No. \_\_\_\_\_ Dated 16/Jan/23

Drawn on \_\_\_\_\_ on account of \_\_\_\_\_

₹	2000	-
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For Sri Guru Granth Sahib World University

*Kamalpreet Kaur*



**SRI GURU GRANTH SAHIB WORLD UNIVERSITY**  
**Fatehgarh Sahib-140406 (Punjab)**



## **26<sup>th</sup> PUNJAB SCIENCE CONGRESS**

**NATIONAL CONFERENCE**


**ON**

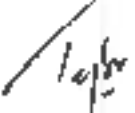
**ENVIRONMENT, FOOD SECURITY AND HEALTH WITH  
REFERENCE TO CLIMATE CHANGE**


**(FEBRUARY 07-09, 2023)**

### **CERTIFICATE**

This is to certify that Dr./Mr./Ms. **Renu Bala** of **Department of Zoology, S.D. College, Barnala, Punjab** has participated and presented a paper entitled "**COMPARISON OF CALCIUM CONTENT AND THICKNESS OF EGGSHELLS OF SELECTED BIRDS OF DISTRICT BARNALA, PUNJAB**" during 26<sup>th</sup> Punjab Science Congress (PSC-2023) National Conference on "Environment, Food Security and Health with Reference to Climate Change" held at Sri Guru Granth Sahib World University, Fatehgarh Sahib (Punjab) under the aegis of Punjab Academy of Sciences, Patiala from February 07-09, 2023.

  
**Dr. Yadvinder Singh**  
Organizing Secretary

  
**Prof. (Dr.) Tejbir Singh**  
Co-Convenor

  
**Prof. (Dr.) S.S. Billing**  
Convener

→ aedology



**SRI GURU GRANTH SAHIB WORLD UNIVERSITY**  
Fatehgarh Sahib-140406 (Punjab)




**26<sup>th</sup> PUNJAB SCIENCE CONGRESS**


**NATIONAL CONFERENCE  
ON  
ENVIRONMENT, FOOD SECURITY AND HEALTH WITH  
REFERENCE TO CLIMATE CHANGE  
(FEBRUARY 07-09, 2023)**

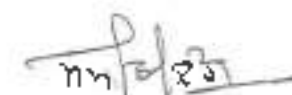
**CERTIFICATE**

This is to certify that Dr./Mr./Ms. **Kamalpreet Kaur** of Department of Zoology, S.D. College, Barnala, Punjab has participated and presented a paper entitled "EFFECTIVENESS OF HOUSEHOLD AGENTS AS LARVICIDES ON LARVAE OF MOSQUITO *AEDES AEGYPTI*" during 26<sup>th</sup> Punjab Science Congress (PSC-2023) National Conference on "Environment, Food Security and Health with Reference to Climate Change" held at Sri Guru Granth Sahib World University, Fatehgarh Sahib (Punjab) under the aegis of Punjab Academy of Sciences, Patiala from February 07-09, 2023.

  
**Dr. Yadvinder Singh**  
Organizing Secretary

  
**Prof. (Dr.) Tejbir Singh**  
Co-Convenor

  
**Kamalpreet Kaur**

  
**Prof. (Dr.) S.S. Billing**  
Convenor



**VOUCHER**  
**S.D. COLLEGE, BARNALA**

Voucher No. ....

Date 14/05/23

Handed over  
sum of Rs.  
on account of

DEBIT	Rs.	P.
Participate in International Conference organized.	2000	
Total		2000
CREDIT		
E-payment advice in the favour of Dr. <u>Shilpa Rani</u>	2000	
E-payment adv - SDIS (230313242030-15)		
Total		2000

Auth: Clerk

(Signature) Supt.

Bursar

Principal

Signature



02/03/23

# S. D. COLLEGE, BARNALA

No. of Inv. \_\_\_\_\_

Date of submission \_\_\_\_\_

## CONSOLIDATED DETAIL OF USE

Participated in International Conference organized by Shriya Ki College, New Delhi on 27-28 February 2023

S. No.	Name of the firm	Bill No. & Date	Amount
1	Shriya College, Delhi	LPI Ref. 305170096281 on 28-02-2023	2000/-

Recommended

*[Signature]*

*[Signature]* *[Signature]* *[Signature]*

Total amount of bill 2000/-

Amount taken as advance NIL

Balance to be paid/deposited 2000/-

If amount of advance exceeds the amount of expenditure please deposit excess amount in the bank and attach proof

Verified that the amount was spent on the purpose for which it was sanctioned. The ledger of accounts is maintained herewith

*[Signature]*  
7/3/23

*[Signature]*  
Signature

*[Signature]*  
(D.T. (S)) *[Signature]*

*[Signature]*

Principal



INTERNATIONAL CONFERENCE

ON

ANALYSIS AND ITS APPLICATIONS

ICAA-23

DEPARTMENT OF MATHEMATICS

Shivaji College

(University of Delhi)

Accredited by NAAC with Grade 'A'



# CERTIFICATE

This is to certify that Prof. / Dr. / Mr. / Ms. Dimple Rani of  
Department of Mathematics, S.D. College, Rohtak.  
has participated / presented a paper / chaired a session / delivered an invited talk  
on Operational matrix of Bernoulli polynomials for computing numerical inverse  
Laplace transform  
in the International Conference on "ANALYSIS AND ITS APPLICATIONS"

ICAA-23 held during February 27-28, 2023.

DR. DEEPTI



Shiv Kumar Saidev

PROF. SHIV KUMAR SAIDEV



# S.D. COLLEGE, BARNALA

VOUCHER

Voucher No. ....

Date 28/2/23

Handed over  
a sum of Rs.  
on account of

DEBIT	Rs.
Conveyance Exp. PK	3500
Sri Guru Granth Sahib World University Fatchpath Sahib's	/

CREDIT	Total	Rs.
B.D. College D.P. Barnala, S.D.C. Barnala		3500
Payment advice in the form of "Opasana Ram"		2500
Payment adv. SD/14 (202-28/198/120-0)		/
DT. 28/02/23		

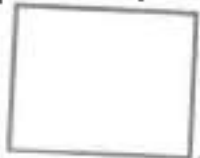
Rs. Three thousand five Hundred

Auth. Clerk (Det. Clerk) *[Signature]*

*[Signature]*  
Clerk

*[Signature]*  
Principal

Signature



B

# S. D. COLLEGE, BARNALA

No. of Invt: 03

Date of submission 10.02.2023

## CONSOLIDATED DETAIL OF BILLS

Purpose of Purchase Punjab Science Congress at Shri Guru Granth Sahib World University, Fatehgarh Sahib

S. No.	Name of the firm	Bill no. & date	Amount
1.	Shri Guru Granth Sahib World University, Punjab Science Congress	25456, 8.02.2023	2000/- ✓
2.	"	25459, 8.02.2023	750/- ✓
3.	"	25460, 8.02.2023	750/- ✓
<u>Total</u>			<u>Rs. 3500/-</u>

*for Ran* Asst. Director  
*[Signature]*

Total amount of Bills 3500/-

Amount taken as advance Nil

Balance to be paid/Deposited 3500/-

If amount of advance exceeds the amount of expenditure please deposit excess amount in the bank and attach proof.

[Signature]  
Signature

Certified that the amount was spent on the purpose for which it was sanctioned. The letter of sanction is attached herewith.

[Signature]  
Signature

*[Signature]*  
(Director) Subject.

*[Signature]*  
By: Asst.

*[Signature]*  
Principal





**SRI GURU GRANTH SAHIB WORLD UNIVERSITY**  
Fatehgarh Sahib-140406 (Punjab)



## **26<sup>th</sup> PUNJAB SCIENCE CONGRESS**

**NATIONAL CONFERENCE**


**ON**


**ENVIRONMENT, FOOD SECURITY AND HEALTH WITH  
REFERENCE TO CLIMATE CHANGE**


**(FEBRUARY 07-09, 2023)**

### **CERTIFICATE**

This is to certify that Dr./Mr./Ms. **Upasana Rani** of **S.D. College, Barnala** has participated and presented a paper entitled **"Application of Mathematics in Technological Innovations"** during 26<sup>th</sup> Punjab Science Congress (PSC-2023) National Conference on "Environment, Food Security and Health with Reference to Climate Change" held at Sri Guru Granth Sahib World University, Fatehgarh Sahib (Punjab) under the aegis of Punjab Academy of Sciences, Patiala from February 07-09, 2023.

  
**Dr. Yadvinder Singh**  
Organizing Secretary

  
**Prof. (Dr.) Tejbir Singh**  
Co-Convenor

  
**Prof. (Dr.) S.S. Bill**  
Convener

**List of Teachers Receiving Financial Support (Year Wise)**

<b>Year</b>	<b>Name of The Teacher</b>
2018-19	Dr. Kulbhushan Rana Dr. Harkanwal Singh Ms. Monika Singla Ms. Rachna
2019-20	Dr. Rajesh Gupta Prof Gaurav Singla Prof Savita Sood Dr. Kulbhushan Rana
2020-21	Dr. Rajesh Gupta Prof Gaurav Singla Dr. Vandana Kukreja Prof. Amandeep Kaur Prof. Amardeep Singh Prof. Nirupama
2021-22	Dr. Rajesh Gupta Dr. Kulbhushan Rana Dr. Manish Kumar Ms. Navneet Kaur
2022-23	Dr. Rajesh Gupta Dr. Baltej Singh Dr. Manoj Kumar Gupta Dr. Sanjay Kumar Singh Dr. Kulbhushan Rana Prof. Rajni Gupta Prof. Savita Sood Dr. Manish Kumar Dr. Amardeep Kaur Dr. Dimple Rani Ms. Upasana Rani Dr. Renu Bala Dr. Kamalpreet Kaur