

BLDE Association's
S.B. Arts and K.C.P. Science
College, Vijayapur.
(Re-Accredited by NAAC at 'A' Level in 3rd Cycle)

ONE DAY WORKSHOP

ON

"MICROSCALE EXPERIMENTS IN CHEMISTRY"

7th APRIL-2017.

Organized By:

Department of Chemistry

BLDE Association

S.B. Arts and K.C.P. Science College, Vijayapur.

Contact:

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Mobile. No: +91-9448789254

Dr. U. S. Pujeri

Mobile. No: +91-9448418452

"No Registration Fee"

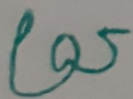
Dr. M. I. Kumbar
Dept. of Chemistry
S.B. Arts & K.C.P. College
Vijayapur

"WORKSHOP ON MICROSCALE EXPERIMENTS IN CHEMISTRY"

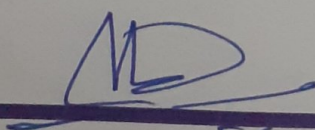
INTRODUCTION:

The rising cost of chemicals and decreased flow of funds are causing great concerns to the chemistry teachers. A tug - of - war had also been going on in recent years, to balance the budget of running practical courses and the standards of experiments to be carried out by the students. Since the economy is always the winner, the number of experiments had been the losers. A group of scientists from University of Pune and Fergusson College, Pune are striving hard to maintain the standards of experiments at a friendly budget ie., by carrying out the organic reactions in capillaries / tiles, using semimicro test tubes for heating experiments (instead of the conventional test tubes) and adopting to microscale preparations. Their attempts serve many purposes.

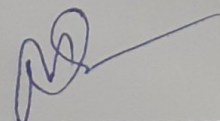
- (i) Cuts down the cost of chemicals.
- (ii) Experiments have become environment friendly.
- (iii) Less time consuming
- (iv) Less hazardous to the teachers, students and lab, assistants. What more it becomes affordable.



Principal,
S.B. Arts and KCP Science College
VIJAYAPUR



IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.



Head
Dept. of Chemistry
SB Arts & KCP Sc. College,
Vijayapur.

ONE DAY WORKSHOP ON MICROSCALE EXPERIMENTS IN CHEMISTRY

On. 7th April 2017

Resource Person: Prof. S. Muragan
S.T. Hindu college, Nagaravandim

S/No.	Name of the staff/student	Name of the college/Institute	Mobile Number	Sign
1	Bharati. D. patil	S.J.F.G Arts & Science college Hittanalli	9663131278	
2	Pooja Aokasali	KSWU vijaypur	8197844123	
3	Akshata. Hoxatti	KSHLU vijayapur	7406664792	A.A. Hoxatti
4	Vani. C. Waghmore	K.S.W.U vijaypur	7353113662	
5	Shridevi. Biradar	K.S.W.U. Vijayapur	96110261041	
6	Basanti. Sodamari	K.S.W.U. Vijayapur	9899342697	
7	Savitri. D. Boragudol	K.S.W.U. Vijayapur	7349088410	
8	Kamala. m. patil	K.S.W.U. Vijayapur	8095134201	
9	M.M. Bagwan	KCP science college.	8095996494	
10	Kumar. B. Patil	KCP science college	7411961906	
11	Mrunyujay. V. Hiremath	KCP Sci college	8884869049	
12	Mahesh. Nidawari	KCP sci college	8861871200	
13	Sachin. D. Chavan	KCP science college	8350908352	
14	Mahammedali. C. Hekhal	KCP sci college	9035280507	

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S/No.	Name	Name of the College/Institute	Mobile Number	Sign	S/NO
15	Pradeep Kumar. N.B	K.C.P. sci collg	9742545021	pradeep	47
16	S				48
17	Savitri. Biradar	K.C.P. sci college	8746052514	Devi	49
18	Indira chirashyad	K.C.P. sci college	8497874244	Indi	50
19	Usha. Nark	Women's University	9535199181	Usha	
20	S.K. Hallelunavar	K.S.W.U. Vijaypur	9901718354	S.K.	51
21	ABDULQADAR. S. Gogri	K.C.P. college	8951445532	Abdul	52
22	AMEEN. S. Bagalkot	K.C.P. college	9611782302	Ameen	53
23	Sachin. Koli	K.C.P. college	9740404424	Sachin	54
24	Anand. Dhale	K.C.P. college	9411279704	Anand	55
25	Ishwar. Patne	K.C.P. "	7204496896	Ishwar	56
26	Sachin. Bisadga	" "	9538303485	Sachin	57
27	Rajeshwar. S. Gondar	K.S.W.U. Vijayapur	7676708766	Rajesh	58
28	Harima. Hippargi	" "	9008502275	Harima	59
29	Shailaja. Chinnore	K.S.W.U. Vijayapur	9008072313	Shailaja	60
30	Shalawa. D. Savalagi	K.S.W.U. Vijayapur	8792074966	Shalawa	61
31	Dr. P.P. Kattimani	JSS College, Gokak	9980151458	Dr. P.P.	62
32	Dr. M.R. Kembavi	Government First Grade college - Vijayapur	7795264823	Dr. M.R.	63
33	Vijayalaxmi pawar	K.S.W.U. Vijayapur	8088177611	Vijayalaxmi	64
34	Deepa. B. Jaramtalag	K.S.W.U. Vijayapur	8496088950	Deepa	65
35	Savitri. Buyitl	K.S.W.U. Vijayapur	7411499076	Savitri	66
36	Sahana. Kulkarni	K.S.W.U. Vijayapur	9483301909	Sahana	67
37	Suraiyya. Abbigeri	"	9986139857	Suraiyya	68
38	Prayanka. P. Kalakar	K.S.W.U. Vijayapur	8762570494	Prayanka	69
39	L. I. Nadeaf	Secular A.R.S.I. collg	9964156726	L. I.	70
40	Shobha. R. Waded	K.S.W.U. Vijayapur	8105902130	Shobha	71
41	B. Kalkunte Shilpa	"	9739013327	B. Kalkunte	72
42	Bedjurge Patil	"	7038494528	Bedjurge	73
43	Patil. sunaina	"	8197307008	Patil	74
44	Jatlakar Raapali M	"	7829152366	Jatlakar	75
45	Megha. Wader	"	8550021417	Megha	76
46	Pooja. Jalane	"	7026988019	Pooja	77

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S/NO	Name	Name of the College/Institute	Mobile Number	Sign.
47	Sabiya M. P.	KSWU Vijaypura.	9071004728	<i>[Signature]</i>
48	F. H. Inamdar	KSWU Vijaypura	9008004718	<i>[Signature]</i>
49	M. R. Chanapur	SSWU Vijaypura	9535523702	<i>[Signature]</i>
50	Dr. S. M. Gaonkar	Bas. sc. college Bagalkot	9448876176	<i>[Signature]</i>
51	Dr. B. N. Kirasur	Bas. SC. College Bagalkot	9448238100	<i>[Signature]</i>
52	Smt. S. S. Karishankari	Bas. sc. college Bagalkot	8702345051	<i>[Signature]</i>
53	Smt. K. H. Kakaraddi	Bas. sc. college Bagalkot	9448940880	<i>[Signature]</i>
54	Smt. S. G. Hunasikoti	do	9481630035	<i>[Signature]</i>
55	R. C. Shelb	B. P. S. A. S. T. P. S. S. W. College Jamichauli	9669257461	<i>[Signature]</i>
56	Dr. B. M. Kalshekar	do	9448187574	<i>[Signature]</i>
57	M. C. Sangannaras	do	9448606028	<i>[Signature]</i>
58	R. K. Charan	do	9448187682	<i>[Signature]</i>
59	S. S. Mangalav	B. P. Parwal college Sindagi	8147398979	<i>[Signature]</i>
60	Dr. M. S. Soudagar	Anjuman Degree college, Vijayapur	9483458906	<i>[Signature]</i>
61	M. Muneer Saheb	do	9448947092	<i>[Signature]</i>
62	Sangita T. Talekoti	Karnastate Women's Uni. Bij Vijaypur	7204368974	<i>[Signature]</i>
63	Sudha. S. Biradar	K. S. W. U. Vijayapur	9986714761	<i>[Signature]</i>
64	Arifa. S. Baigir	K. S. W. U. Vijaypur	9632785355	<i>[Signature]</i>

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Sl. No	Name	Name of college	Mobile number	Sign.	Sl. No	Sl. No
65	Dr. Swasthika N. Das	BIDEA'S College of Engineering & Technology Vijaypur	9022123354		75	75
66	Ramesh. I. Gangamavai	"			76	76
67	Ramesh. S. Malladi	"			77	77
68	Kailash. S. Chadachan	"			78	78
69	Shivalingaiyya Hiremath	"			79	79
70	Sanjeet kulkarni Sanjeet.	Dr V. B. Dabau P. V. college Vijayapur	9900292637		80	80
71	Dr. B. A. Jumbal	Anjuman college Vijaypur	9448440464		81	81
72	Shri Biradar. S. M	S.G. B. V. m Sanjeet Jambhale	8722967667		82	82
73	Dr. Saleem M. Desai	Anjuman Arts, Sci, comm. college & PG studies in English, Vijayapur	9902037432		83	83
74	S. I. Hiremath	BES Arts com & science comp. PU college Kadepathi Tambkhundi	9980793555		84	84
					85	85
					86	86
					87	87
					88	88
					89	89

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75)	Sarjamesh. B. pattanashetti	S B Arts & K. C. P. Science College Vijayapur	8951705440	
76)	Vrush. B. Byabal	"	9482269048	
77)	Shivakumar. S. yhamchasi	"	9731657166	
78)	Md. Ismailaneef Tambewale	"	9986854930	
79)	Akash. Jangameshetti	"	9620954237	
80)	Md. Isfan. Attar	"	7411382785	
81)	Rakesh. Joshi	"	8904271810	
82)	Babasaaj. Sabale	"	8762582258	
83)	Shamasuddin K Shekh	"	9902666396	
84)	Babasaaj. Mulge	"	7026150423	
85)	Preeti. S. Bisadde	"	7813818995	
86)	Keerti. C. Vastad	"	9686935532	
87)	Pratibha. S. Chavhan - Jagi	"	7090221973	
88)	Manard. I. Navi	"	8792769432	
89)	Nagaveni. S. Dalnawai	"	9164850538	

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90)

Arshata S.
Nandapoon

"

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104

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91) Shaheen Balipar

"

8884975044

92) Laxmi Saboji

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93) Savitri Huded

"

7028359906

94) Sakubai Gani

"

8088345315

95) Sheena B
Bharamanadega

"

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96) Ranjita.
Dharaçonda

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8867562629

97) Laxmi Hurnus

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9741510839

98) Sanjeeta patil

"

9108468546

99) Megha Hugar

"

8105576111

100) padmavati
Gumathi

"

9901090759

101) pavitra warad

"

9980652569

102) Sweetha S.
Hadnur

"

8867253341

103) Vanita H
Dyavanavai

"

9204871789

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Sauita. V. Akale

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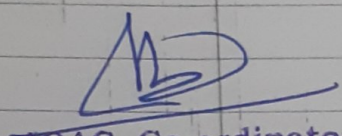
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Mr. Amit. B. Teradale

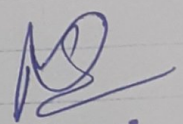
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IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
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Head
Dept. of Chemistry
SB Arts & KCP Sc. College
Vijayapur.

Principal,
S.B.Arts and KCP Science College
VIJAYAPUR

MICROSCALE EXPERIMENTS IN CHEMISTRY

INTRODUCTION:

The rising cost of chemicals and decreased flow of funds are causing great concerns to the chemistry teachers. A tug - of - war had also been going on in recent years, to balance the budget of running practical courses and the standards of experiments to be carried out by the students. Since the economy is always the winner, the number of experiments had been the losers. A group of scientists from University of Pune and Fergusson College, Pune are striving hard to maintain the standards of experiments at a friendly budget i.e., by carrying out the organic reactions in capillaries / tiles, using semimicro test tubes for heating experiments (instead of the conventional test tubes) and adopting to microscale preparations. Their attempts serve many purposes.

- (i) cuts down the cost of chemicals.
- (ii) experiments have become environment friendly.
- (iii) less time consuming
- (iv) less hazardous to the teachers, students and lab, assistants. What more it becomes affordable.

Microscale Experiments in Organic Chemistry

New sets of apparatus

1. Capillaries

Capillaries will be used in the microscale experiments to

1. Determine physical constants such as m.p. and boiling points
2. To check the solubility of substances in cold solvents.
3. To prepare stock solutions to take various tests.
4. For transfer of liquids to another capillary.
5. For spotting in TLC.

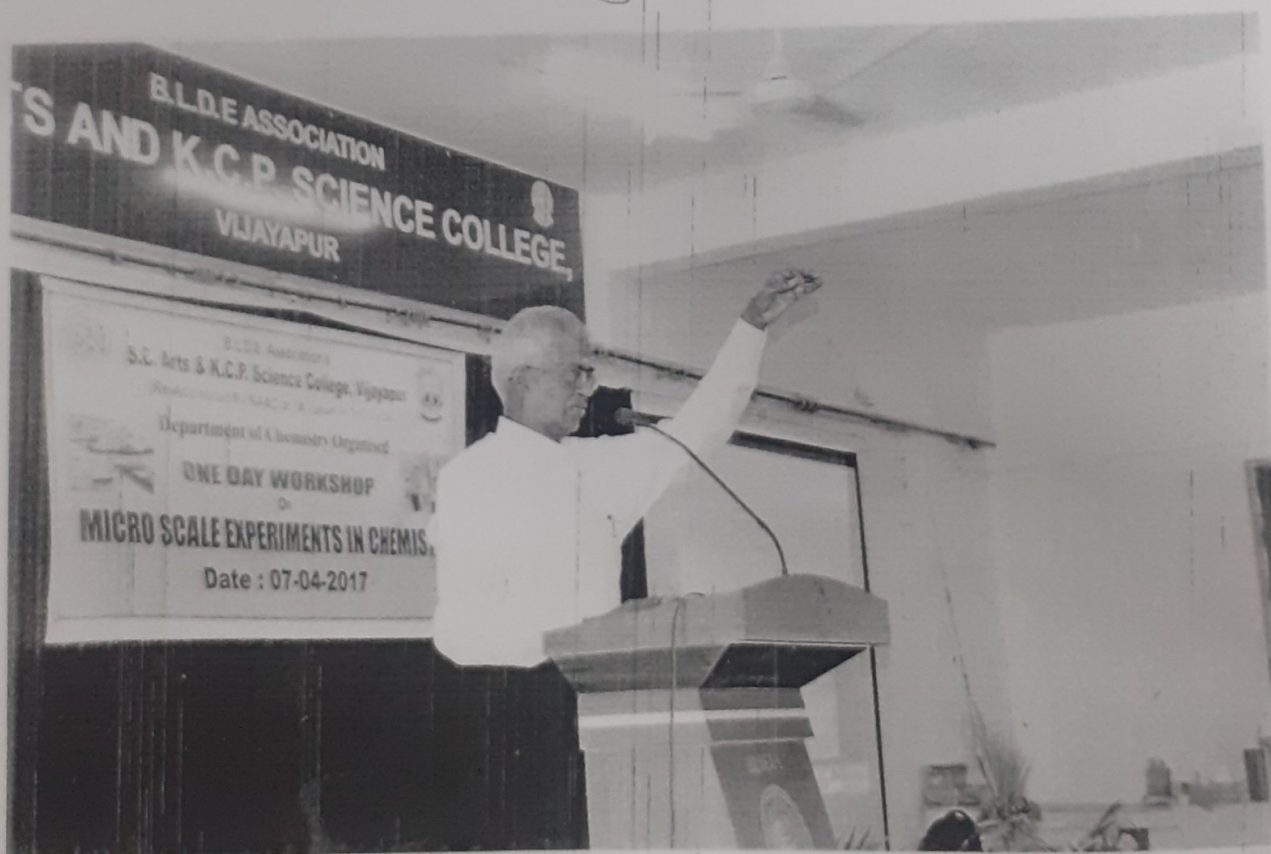
Capillaries generally are available in two types, broad bored melting point capillaries and very small bored TLC capillaries. If only the melting point

Guest introduction by Dr. U.S. Pujari sir



MICRO SCALE EXPTS. IN CHEMISTRY
WORKSHOP.

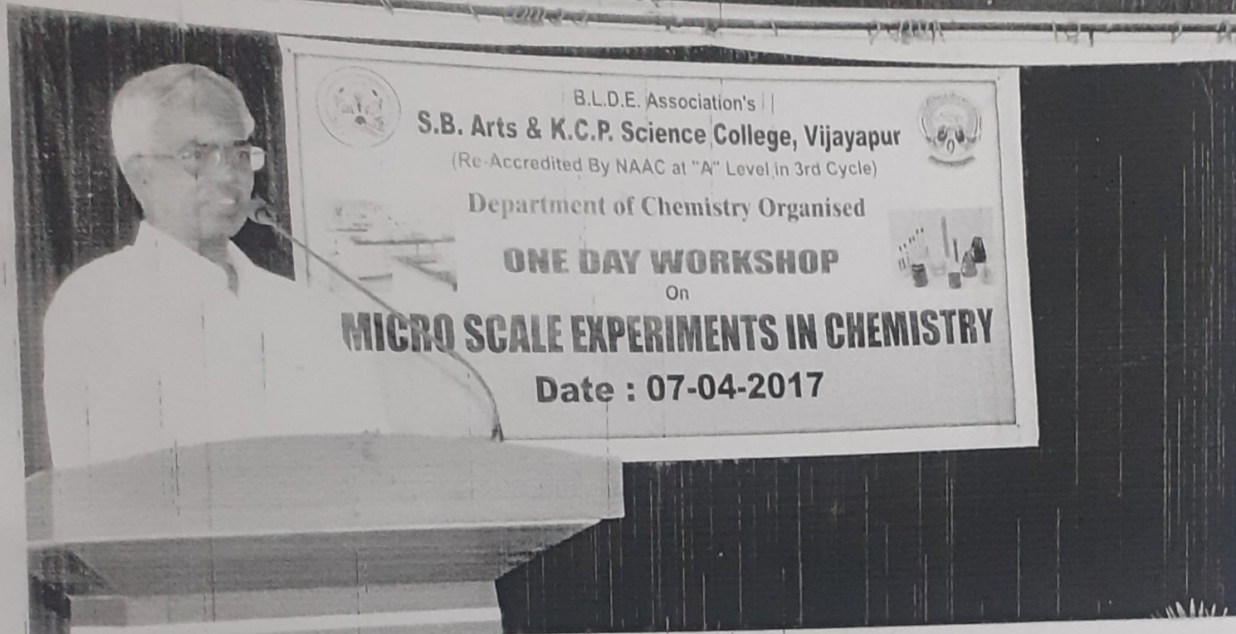
Dr. Muragan, Nagarkoil. (TN)



Chief guest speech by Dr. Muragan sir.

one day workshop on microscale experiment.

S.B. ARTS AND K.C.P. SCIENCE COLLEGE VIJAYAPUR



B.L.D.E. Association's
S.B. Arts & K.C.P. Science College, Vijayapur
(Re-Accredited By NAAC at "A" Level in 3rd Cycle)
Department of Chemistry Organised
ONE DAY WORKSHOP
On
MICRO SCALE EXPERIMENTS IN CHEMISTRY
Date : 07-04-2017

Micro Scale Experiments In Chemistry

Dr. Murugani sir welcomed by K.G. Pujeri sir

S.B. ARTS AND K.C.P. SCIENCE COLLEGE VIJAYAPUR



CS

Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

[Signature]

IQAC, Co-ordinator
S.B. Arts & K.C.P. Science College,
Vijayapur.

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Head
Dept. of Chemistry
SB Arts & KCP Sc. College,
Vijayapur.

REPORT

MICROSCALE EXPERIMENTS IN CHEMISTRY

Microscale chemistry experiments use small quantities of chemicals and simple equipment. These have the advantage of reducing costs, reducing safety hazards and allowing many experiments to be done quickly and sometimes outside of the laboratory.

The rising cost of chemicals and decreased flow of funds are causing great concerns to the chemistry teachers to balance the budget of running practical courses and the standards of experiments to be carried out by the students. These experiments are very useful in many ways some of uses are

- 1) cuts down the cost of chemicals .
- 2) Experiments have become environment friendly.
- 3) Less time consuming.
- 4) Less hazardous to the teachers, students and lab assistants what more it becomes affordable .

Generally capillary will be used in the microscale experiments as a apparatus . These capillaries are helps to determine physical constant such as melting point and boiling point to check solubility of substance in cold solvents to prepare stock solutions to take various tests.

Capillaries will also helps for transfer of liquids to another capillary, for spotting in TLC.

Capillaries generally are available in two types broad bored melting point capillaries and very small bored TLC capillaries. In universities modern and expensive lab glass ware is used and modern methods for detection and characterization of the produced substances are very common

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Head

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SB Arts & KCP Sc. College
Vijayapur.



BLDE Association's

S.B. ARTS and K.C.P SCIENCE COLLEGE, VIJAYAPUR - 586103
(Re-Accredited by NAAC at 'A' Level in 3rd Cycle)

Certificate

This is to certify that Prof./Dr./Sri/Smt. _____

of _____ has participated in the one days

Workshop on **"MICROSCALE EXPERIMENTS IN CHEMISTRY"** on 7th APRIL-2017. Organized

by the Department of Chemistry, S.B. ARTS and K.C.P. SCIENCE COLLEGE, Vijayapur.

Dr. K. G. Pujari

Principal

Dr. M. I. Kumbar

HOD

Prof. S. Murugan

Resource Person,

Dr. U.S. Pujeri

Convener

Certificate