

MANDATORY DISCLOSURE OF INFORMATION

Note: Mandatory disclosure of information about accredited programmes by institutions to be included in their respective information brochure, displayed on their website and to be submitted to NBA every year well before the admission process

Department of Chemistry

No. of Faculty Members : 06

Cadre	Required As per AICTE	Existing			
		Permanent	Temporary	Guest	TOTAL
Professor	6	1			1
Ast.Professor		1			1
Lecturer		4			4

Faculty Profile (Summary) :

Qualification	No. of Faculty		
	Completed	Pursuing	Total
PhD	3		3
Post Graduate	3		3
Under Graduate	-		-

Experience of Faculty :

Experience	No. of Faculty
Less than 5 Years	5
5 to 10 Years	-
More than 10 Years	1

Details of individual Faculty members : Available at the end of this report- Annexure-A.

Industrial Consultancy, Research and Development (during the past 5 years):

Description of the Activity	Year (20xx)					
	07-08	06-07	05-06	04-05	03-04	02-03
Amount of Industrial Consultancy earned (in lakhs of Rupees)	-	-	-	-	-	-
No. of sponsored research projects completed	-	-	-	-	-	-
No. of patents produced	-	-	-	-	-	-
No. of sponsored research projects in progress	-	-	-	-	-	-
No. of papers published in International journals	05	04	12	14	03	02
No. of papers published in National journals	-	-	-	-	01	-
No. of papers presented in International Conferences / Seminars	-	-	-	01	-	-
No. of papers presented in National Conferences /seminars	01	01	01	-	02	03
No. of International Conferences conducted	-	-	-	-	-	-
No. of National Conferences conducted	-	-	-	-	-	-
No. of Training Programmes / Short Term Courses conducted		-	-	-	-	-

New initiatives and future vision, if any :

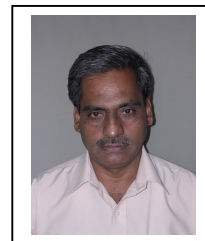
SL.No	New initiatives /Plan / Vision
1	To concentrate on innovative / effective teaching-learning methods and make the students to realize the importance of chemistry as a knowledge base for furthering engineering instructions
2	To cultivate a sense of close observation and analysis and to encourage logical approach towards understanding / advancing science and technology

A.

Faculty Name : Dr. C.D. Lakkannavar

Date of Birth : 25-01-1955

Education Qualification :



Degree	Degree Title	University/College Details	Grade Obtained	Remarks if any
Under Graduate	B.Sc.	J.T. College, Gadag	First class	-
Post Graduate	M.Sc.	Karnatak University, Dharwad	Higher Second class	-
PhD	Ph.D	Karnatak University, Dharwad	-	-

Work Experience :

Nature	No. of Years	Remarks if any
Teaching	31	
Research	06	

Area of Specialization :

Sl. No	Area of Specialization
1	Organic chemistry - Heterocyclic compounds

Subjects Handling :

Sl. No	Name of the Subject Handling Currently
1	Engineering chemistry (Theory & Lab.) for I / II Sem BE
2	Technical chemistry – (Theory & Lab.) for III Sem BE (Chem.)

Research Publications :

Sl. No	Title of the Paper	Author(s)	Name and Vol. of Journal & Year	Page No.	
				From	To
1.	Synthetic analogues of lasiocephalin	C.D. Lakkannavar, V.D. Patil and M.V. Kulkarni	Nat. Acad. Sci. Letters, 14 (1), 1991	25	27
2.	Studies on benzocoumarins. Part-I	C.D. Lakkannavar, M.V. Kulkarni and V.D. Patil	J. Indian. Chem. Soc., 69, 1992	399	400
3.	4-[2'-Benzylideneanilino aryloxymethyl] coumarins E and Z isomers	C.D. Lakkannavar, V.D. Patil, K.Y. Anklekar and M.V. Kulkarni	Indian J. Heterocyclic Chemistry, 4, 1995	303	304
4.	Synthesis, spectral studies and biological evaluation of some new 4-substituted coumarins	K.Y. Anklekar, C.D. Lakkannavar, Geeta M. Kulkarni and M.V. Kulkarni	Indian J. Chemistry, Section-B, 42-B, June 2003	1548	1550

Other Information :

Sl. No	Other Information
1	An international research laboratory MERCK & Co. Inc., Rahway (New Jersey) had recognised some of research compounds published by Dr. C.D. Lakkannavar in the Journal of Indian Chemical Society, Vol 69, July 1992 (399-400) and purchased at the rate of \$ 50 per 20 mg for pharmaceutical screening programme

B.**Faculty Name** : Dr. A A Kittur**Date of Birth** : 07-05-1965**Education Qualification** :

Degree	Degree Title	University/College Details	Grade Obtained	Remarks if any
Under Graduate	B.Sc.	Karnatak Science College, Dharwad	First class	-
Post Graduate	M.Sc.	Karnatak University, Dharwad	Second class	-
PhD	Ph.D	Karnatak University, Dharwad	-	-

Work Experience :

Nature	No. of Years	Remarks if any
Teaching	10	-
Research	06	-

Area of Specialization :

Sl. No	Area of Specialization
1	In-organic Chemistry, Membrane Science

Subjects Handling :

Sl. No	Name of the Subject Handling Currently
1	Engineering chemistry (Theory & Lab.) for I / II Sem BE
2	Technical chemistry – (Theory & Lab.) for III Sem BE (Chem.)

Research Publications:

Sl. No.	Title of the Paper	Author(s)	Name and Vol. of Journal & Year	Page No. From To
1.	Development of novel diisocyanate crosslinked chitosan membranes for pervaporation separation of	A. A. Kittur, S. K. Choudhari, M. Y. Kariduraganavar	J. Membrane Science, 302 (2007)	197-206.

	water-isopropanol mixtures			
2.	Pervaporation separation of water-tetrahydrofuran mixtures using NaY zeolite incorporated chitosan membranes	A. A. Kittur, J. G. Varghese M. Y. Kariduraganavar	J. Appl. Polym. Science	(In Press).
3.	Development of pervaporation membranes for the separation of water-isopropanol mixtures by the incorporation of NaY zeolite into TEOS crosslinked poly(vinyl alcohol)	A. A. Kittur, S. S. Kulkarni M. Y. Kariduraganavar	J. Appl. Polym. Science	(In Press)
4.	Synthesis and characterization of thermally stable second-order nonlinear optical side-chain polyimides containing thiazole and benzothiazole chromophores	A. A. Kittur, S. M. Tambe, S. R. Inamdar, G. R. Mitchell, M. Y. Kariduraganavar	Optical Materials	(Accepted)
5.	Studies on nonlinear optical polyurethanes containing heterocyclic chromophores	A. A. Kittur, S. M. Tambe, S. R. Inamdar, S. S. Kulkarni, M. Y. Kariduraganavar	Polymer	(Communicated)
6.	Synthesis, Characterization and Pervaporation study of Chitalline membranes, J. Membrane Science,	A. A. Kittur, S. K. Choudhari, M. Y. Kariduraganavar	J. Membrane Science	Communicated)
7.	Pervaporation separation of water-dioxane mixtures through poly(vinyl alcohol)-silicone based hybrid membranes.	A. A. Kittur, M. Y. Kariduraganavar	eXPRESS Polymer Letters	(Communicated)
8.	Preparation of novel composite membranes for the pervaporation separation of water-acetic acid mixtures,	A. A. Kittur, S. S. Kulkarni, S. M. Tambe, M. Y. Kariduraganavar	J. Membrane Science, 285 (2006)	420-431
9.	Modification of tetraethylorthosilicate crosslinked poly(vinyl alcohol) membrane using chitosan and its application to the pervaporation separation	A. A. Kittur, S. S. Kulkarni, S. M. Tambe, M. Y. Kariduraganavar	J. Appl. Polym., Sci 99 (2006)	1380-1389

	of water-isopropanol mixtures,			
10.	Investigations on sorption, diffusion and permeation of chloro-alkanes and -alkenes through fluoroelastomeric membranes,	A. A. Kittur, S. B. Kulkarni, S. S. Kulkarni, M. Y. Kariduraganavar	Desalination, 196 (2006)	43-54
12.	Studies on molecular transport of n-Alkanes through poly(tetrafluoroethylene-co-propylene) elastomeric membrane,	A. A. Kittur, S. B. Kulkarni, M. Y. Kariduraganavar	J. Appl. Polym. Sci., 101 (2006)	2228-2235
13.	Preparation of zeolite-incorporated PDMS membranes for pervaporation separation of isopropanol- water mixtures,	A. A. Kittur, S. K. Choudhari, M. Y. Kariduraganavar	Composite Interfaces 13 (2006)	507-521
14.	A Review on ion-exchange membranes: Preparative methods for electro dialysis and fuel cell applications	M. Y. Kariduraganavar, A. A. Kittur, R. K. Nagarale, S. S. Kulkarni	Desalination 197 (2006).	225-246
15.	Excess properties of the binary mixtures of methylcyclohexane + alkanes (C ₆ to C ₁₂) at T = 298.15 K to T = 308.15 K,	A. A. Kittur, J. G. Bargi, M. I. Aralaguppi, M. Y. Kariduraganavar, T. M. Aminabhavi	J. Chem. Thermodynamics, 38 (2006).	75-83
16.	Pervaporation separation of water-acetic acid mixtures through poly(vinyl alcohol)-silicone based hybrid membranes,	A. A. Kittur, M. Y. Kariduraganavar	J. Membrane Sci., 246 (2005).	83-93
17.	Preparation and characterization of novel pervaporation membranes for the separation of water-isopropanol mixtures using chitosan and NaY zeolite,	A. A. Kittur, M. Y. Kariduraganavar, S. S. Kulkarni	J. Membrane Sci., 247 (2005)	75-86
18.	Preparation of zeolite-incorporated PDMS membranes for	A. A. Kittur, S. S. Kulkarni, M. I. Aralaguppi, S. S.	J. Appl. Polym. Sci., 96 (2005)	1377-1387

	pervaporation separation of isopropyl alcohol /water mixtures,	Kulkarni, M. Y. Kariduraganavar		
19.	Investigation of molecular transport of ketones and nitriles into commercial fluoroelastomeric membrane, Desalination, 186 (2005) 165-176.	S. B. Kulkarni, A. A. Kittur, M. Y. Kariduraganavar	Desalination, 186	165=176
20.	Density, Viscosity, Refractive index, and Speed of Sound for Binary Mixtures of Anisole with 2-Chloroethanol, 1,4-Dioxane, Tetrachloroethylene, Tetrachloroethane, DMF, DMSO, and Diethyl Oxalate at (298.15, 303.15, and 308.15) K,	J. G. Bargi, M.I. Aralaguppi, T. M. Aminabhavi, A. A. Kittur, M. Y. Kariduraganavar	J. Chem. Eng. Data, 50 (2005)	910-916
21.	Development of novel pervaporation membranes for the separation of water-isopropanol mixtures using sodium alginate and NaY zeolite,	A. A. Kittur, S. S. Kulkarni, K. Ramesh, M. Y. Kariduraganavar	J. Membrane Sci., 238 (2004)	165-175
22.	Synthesis and characterization of hybrid membranes using poly(vinyl alcohol) and tetraethylorthosilicate for the pervaporation separation of water-isopropanol mixtures,	S. S. Kulkarni, A. A. Kittur, M. I. Aralaguppi, M. Y. Kariduraganavar	J. Appl. Polym. Sci., 94 (2004)	1304-1315
23.	Pervaporation separation of water-acetic acid mixtures through NaY zeolite incorporated sodium alginate membranes	A. A. Kittur, S. M. Tambe, S. S. Kulkarni, M. Y. Kariduraganavar	J. Appl. Polym. Sci., 94 (2004)	2101-2109
24.	Pervaporation separation of water-isopropanol mixtures using ZSM-5 zeolite incorporated poly(vinyl alcohol) membranes	A. A. Kittur, M. Y. Kariduraganavar U. S. Toti, K. Ramesh, T. M. Aminabhavi	J. Appl. Polym. Sci., 90 (2003).	2441-2448

Best Paper award-2003 for research article entitled “Pervaporation separation of water-isopropanol mixtures using ZSM-5 zeolite incorporated poly(vinyl alcohol) membranes, A. A. Kittur, M. Y. Kariduraganavar, U. S. Toti., K. Ramesh, T. M. Aminabhavi, *J. Appl. Polym. Sci.*, 90 (2003) 2441-2448.

Papers Presented at the National/ International Conferences

1. M. Y. Kariduraganavar, **A. A. Kittur**, S. S. Kulkarni, K. Ramesh, T.M. Aminabhavi, Development of Novel Sodium Alginate Membranes Incorporated with NaY Zeolite for the Pervaporation Separation of Water-Isopropanol Mixtures, **40th Annual Convention of Chemists 2003, Bundelkhanda University, Jhansi, during 23rd - 27th December, 2003.**
2. Synthesis and Characterization of Hybrid-Poly(vinyl alcohol) Membranes Using Tetraethylorthosilicate for the Pervaporation Separation of Water-Isopropanol Mixtures, Srikant S. Kulkarni, **Arjumand A. Kittur**, Mrityunjaya I. Aralaguppi, Mahadevappa Y. Kariduraganavar, **40th Annual Convention of Chemists 2003, Bundelkhanda University, Jhansi, during 23rd - 27th December, 2003.**
3. A. A. Kittur, M. Y. Kariduraganavar and S. S. Kulkarni, **Synthesis and Characterization of Hybrid-Poly(vinyl alcohol) Membranes Using Tetraethylorthosilicate for the Pervaporation Separation of Water-Isopropanol Mixtures**, 41st Annual Convention of Chemists 2004, Delhi University, New Delhi, during 23rd - 27th December, 2004.
4. A. A. Kittur and M. Y. Kariduraganavar, **Preparation and characterization of novel pervaporation membranes for the separation of water-isopropanol mixtures using chitosan and NaY zeolite**, 41st Annual Convention of Chemists 2004, Delhi University, New Delhi, during 23rd - 27th December, 2004.
5. A. A. Kittur, S. K. Choudhari, M. Y. Kariduraganavar, **Preparation of Zeolite-Incorporated PDMS Membranes for Pervaporation Separation of Isopropanol-Water Mixtures**, International Conference on Advances in Polymer Blends, Composites, IPNs and Gels: Macro to Nano-Scales, ICBC-2005, Mahatma Gandhi University, Kottayam, Kerala, India, during 21st -23rd March, 2005.
6. **A. A. Kittur** and M. Y. Kariduraganavar, **Pervaporation separation of water-acetic acid mixtures through NaY zeolite incorporated sodium alginate membranes**, 43rd Annual Convention of Chemists 2006, Dr. Babasaheb Ambedkar Maratwada University, Aurangabad, during 23rd - 27th December, 2006.

7. **A. A. Kittur** and M. Y. Kariduraganavar, **Pervaporation separation of water-dioxane mixtures through poly(vinyl alcohol)-silicone based hybrid membranes**, 44th Annual Convention of Chemists 2007, Mahatma Gandhi Institute of Applied Sciences, University of Rajasthan, Jaipur, during 23rd - 27th December, 2007

Seminars, Symposia Workshops Attended

Name of the Seminar/ Conference/ Symposia/ Workshop, etc	Name of the Sponsoring Agency	Place and Date
Workshop: National workshop on “Recent Trends in Microanalytical Techniques: Applications in Nuclear, Environmental and Allied Sciences	Organized by Indian Society of Analytical Scientists Mumbai in association with	Dept. of P.G. Studies in Industrial Chemistry and Chemistry Kuvempu University, 10-13 Feb, 1998
Seminars: One day seminar on “Nuclear Energy: 50 years in the service of Nation”	Organised by Nuclear Power Corporation of India Ltd, Kaiga and Karnatak University, Dharwad India	6 th Apr. 2004 at Karnatak Sci. College Campus
CHEM-FORUM 2006	Organised by Dept. of Chemistry, Karnatak Sci. College, Dharwad	Karnatak Science College, Dharwad
One day Teachers Sammelana	Organized by Ramakrishan- Vivekanand Ashram, Hubli.	Karnatak Sci. College Campus on 16 th July 2006
One day seminar on Atomic Energy for Development of the Nation	Indian Nuclear Society in association with Dept. of Physics, Karnatak Sci. College, Dharwad.	Karnatak Science College, Dharwad, on 02-09-2006.
One day IUAC Acquaintance Programme	Organized by Department of Physics, K. U. Dharwad in association with Inter-University Accelerator Center, New Delhi.	Department of Physics, K. U. Dharwad , 17 th August, 2007
Two days International Colloquium on Nanotechnology	Organised by SDM College of Engineering and Technology	Hotel Naveen, Hubli, 8 th & 9 th July 2008

C.

Mandatory Disclosure Part -II

Last Updated On 10th JULY 2009



Faculty Name : Naveenkumar.P.Badiger

Date of Birth : 30-05-1983

Education Qualification :

Degree	Degree Title	University/College Details	Grade Obtained	Remarks if any
Under Graduate	B.Sc.	S.G. College, Koppal.	First class	-
Post Graduate	M.Sc.	Gulbarga University, Gulbarga	First class	3 rd Rank
PhD	Ph.D	Karnatak University, Dharwad	-	Pursuing

Work Experience :

Nature	No. of Years	Remarks if any
Teaching	01	
Research	03	

Area of Specialization :

Sl. No	Area of Specialization
1	Organic chemistry - Heterocyclic compounds

Subjects Handling :

Sl. No	Name of the Subject Handling Currently
1	Engineering chemistry (Theory & Lab.) for I / II Sem BE
2	Technical chemistry – (Lab) for III Sem BE (Chem.)

Faculty Name : Mohammed Shafi Phaniband

Date of Birth : 25.06.1980.

Education Qualification : BSc, Msc.

Degree	Degree Title	University/College Details	Grade Obtained	Remarks if any
Under Graduate	B.Sc	J.T.College, Gadag	63.79 %	
Post Graduate	M Sc	KUD, Dharwad	62.96 %	
PhD	PhD	Submitting April 09		

Work Experience :

Nature	No. of Years	Remarks if any
Teaching		
Research		

Area of Specialization :

Sl. No	Area of Specialization
1	

Subjects Handling :

Sl. No	Name of the Subject Handling Currently

Research Publications :

Sl. No.	Title of the Paper	Author(s)	Name and Vol. of Journal & Year	Page No.	
				From	To
1.	Synthesis, antimicrobial & antitubercular activities of barbituric acid & thiohydantoin derivatives of Imidazo[2,1-	Naveenkumar.P.Badiger & Dr.I.M.Khazi et. al	Arzeinummitt al Forschung-Drug Research	Communicated	

	b][1,3,4]thiadiazoles.			
2.	synthesis & antimicrobial activities of some ethyl-2-arylthio-6-arylimidazo[2,1-b]thiazole-3-carboxylates & their sulfones.	Naveenkumar.P.Badiger & Dr.I.M.Khazi et. al	Journal Of sulfur Chemistry	Accepted
3	Synthesis & Antimicrobial Activity Of Some Novel Thienopyrimidines & Triazolothienopyrimidines.	Naveenkumar.P.Badiger & Dr.I.M.Khazi et. al	Journal of chemical sciences	Accepted

Other Information:

Conferences attended/ Poster Presented :

- National Conference on “**EMERGING AREAS IN CHEMICAL BIOLOGICAL SCIENCES**” [NCEACB-2007] on March 23 and 24, 2007 held at Kuvempu University.
- **10 th CRSI International Symposium** in Chemistry from 1-3 february 2008 held at IISC Bangalore
- UGC Sponsored National Seminar on “**RECENT TRENDS IN CHEMISTRY**” ON 18th February 2008.at Dept.of Chemistry. Karnatak University.Dharwad.
- Presented Poster at Poona College of Arts, Science & Commerce-PUNE at National Conference on “**RECENT ADVANCES IN DRUG DISCOVERY RESEARCH**”, March 2008.
- Attended **Interantional Colloquium on Nanotechnology** on 8th and 9th of June, 2008 at Dharwad, Karnataka (India).

Annexure-C: Details of Infrastructure

SI. No	Infrastructure	Area in Sq. mts	Remarks / Usage
--------	----------------	-----------------	-----------------

1	Class Rooms	1	92.38	Using for I/II Semester Engg. Chemistry
		2	92.38	
		3	92.38	
		4	92.38	
		5	92.38	
2	Laboratories 1. General Chemistry Lab. 2. R & D Lab.		192.56	Using for I/II Semester Engg. Chemistry lab.
			26.83	Using for R&D activities.
3	Dept. Library		-	No. of Titles :
				No. of Volumes:
4	HOD Room		11.74	
5	Dept. Office		-	
6	Faculty Room		36.75	

Annexure-D: List of Major Equipments/Computers / Software

Sl. No	Details of the Equipment / Computers / Software ****	Cost in Rs per Item	Qty	Total Cost in Rs.
1	UV Visible Spectrophotometer Make: Secomam, France (Model Anthelie – Light II)	3,13,508=00	01	3,13,508=00
2	Digital Abbe Refractometer; Make: Atago, Japan (Model - DR-A1)	1,66,400=00	01	1,66,400=00
3	Electronic Analytical Balance Make: Sartorius, Germany (Model – BP 211 D)	1,35,200=00	01	1,35,200=00
4	Constant Temperature Water Bath Make: RAAGA, Madras	55,304=00	01	55,304=00
5	Vacuum Pump Make: Toshniwal, Madras	24,585=00	01	24,585=00
6	Pervaporation Unit	17107=00	01	17107=00
7	Compaq Desktop P-IV With UPS	50,000=00	01	50,000=00
8	HP Compaq dx 2280 MT	53,582=00	01	53,582=00
9	Printer: Inkjet (hp)	15,000=00	01	15,000=00
10	Incubator	23,400=00	01	23,400=00

Annexure-E: List of Major Projects

Sl. No	Details of the Projects	Sponsoring Agency	Coordinator	Total Cost in Rs.
1	Interactions in liquid mixtures and separation of liquids by pervaporation	AICTE, New Delhi (1999-2001)	Dr. S.S. Joshi and Dr. R.S. Munnolli	Rs.9.0 lakhs