

1. Details of the Teacher/ Academic :

Name:	Dr. RAVIKANTH KAMLEKAR
Date of Birth	13/06/1974
Date of Joining in IGNOU:	18/12/2023
Current Designation :	Regional Director
Level as on date :	13A
Highest Educational Qualifications	Ph.D.
School/ Division/ Institute/ Centre/ Cell	IGNOU Regional Centre Bijapur

2. Honour/Award/Fellowship/membership of Professional body/ Statutory body (internal/ external) received by the Teacher/ Academic:

Name of the recipient	Honour /Award/ Fellowship name/ membership of Professional body/ Statutory body	Agency name /Name of statutory body/ institution/ Apex body	Period
Dr. K. Ravikanth	<i>Young Scientist Fast Track Grant</i>	<i>DST-SERB, India</i>	2015-18
Dr. K. Ravikanth	<i>Hormel Fellowship</i>	<i>Hormel Institute, Univ. of Minnesota</i>	2007-11
K. Ravikanth	<i>Senior Research Fellowship (SRF)</i>	Council of Scientific and Industrial Research (CSIR), India	2003-06
K. Ravikanth	<i>Max-Planck-Gesellschaft Fellowship</i>	Max-Planck Institut für biophysikalische Chemie, Göttingen, Germany	2002
K. Ravikanth	<i>Junior Research Fellowship (JRF)</i>	Council of Scientific and Industrial Research (CSIR), India	2001-03
K. Ravikanth	<i>University First Rank for M. Phil. in Chemistry</i>	University of Hyderabad, India	2001
K. Ravikanth	<i>Lectureship in UGC-CSIR-NET</i>	All India Joint Entrance Exam	2000

3. Books/Book Chapter:

- Co-author/co-editor if any, title, place of publication, publisher, Year, page (no) s, ISBN No

SNo.	Name of Author1/ Editor 1, & Co- author (s) / Co-editor (s) (if any)	Title of chapter/book	Place of publication	Publisher	Year	Total Pages	ISBN No.
1.	J. Chakraborty, A. D. Gupta, R. K. Kamlekar	Engineering Chemistry -I Concepts & Applications	India, National	Vikas Publishing	2021		9789354534348
2.	R Kenoth, M. M. Balamurali, R.K. Kamlekar	'Steady-State Fluorescence Spectroscopy as a tool to monitor Protein/Ligand Interactions' in <i>Optical Spectroscopic and Microscopic Techniques Analysis of biological molecules</i>	Singapore, International	Springer, Singapore	2022	35-54	9789811645495
3.	Kenoth, R. E. Brown*, R.K. Kamlekar	'In vitro measurement of sphingolipid intermembrane transport illustrated by GLTP superfamily members' in <i>Intracellular Lipid Transport: Methods and Protocols, Methods in Molecular Biology, 1949: 237-256</i>	New York, International	Springer Nature, Humana Press, New York,	2019	237-256	Online ISBN: 978-1-4939-9136-5, Print ISBN: 978-1-4939-9135-8

4. Research Articles/Publications:

SNo.	Author/ Co-author (if any)	Title	Name of Journal	Volume	page no. (s)	Year	ISSN No
1.	C. Ravindar, A.P. Sukanya, D. Sivaramakrishna, R K Kamlekar* , M.J. Swamy*	Structure and Characterization of Catanionic Complexes and Biocompatible Vesicles of <i>N</i> -Acyltaurine and Sarcosine Alkyl Ester: Encapsulation and Release Studies with 5-Fluorouracil	ACS Applied Bio Materials	7(9)	5784 – 5794	2024	2576-6422
2.	R Kenoth*, S Pothuraju, Anand Prabu A, RK Kamlekar*	Spectroscopic and thermodynamic characterization of the interaction between sugar-stabilised silver nanoparticles and wheat germ agglutinin (WGA), a chitin binding lectin.	Carbohydrate Research	535	1090 14.	2023	ISSN :1873-426X (Online) 0008-6215
3.	A.P. Sukanya, C. Ravindar, M. L. John, S. Dey* and R. K. Kamlekar*	Crystal structure, molecular packing, and intermolecular interactions of <i>N</i> -pentadecanoyltaurine and <i>N</i> -acyltaurine's interaction with cholesterol	Cryst. Eng. Comm.	25	5286-5295	2023	ISSN: 1466-8033
4.	Aleena P, Ragavi S, R. K. Kamlekar , M Mariappan M and V. Anbazhagan V*	2-Pyridylmethyl- <i>N</i> -palmitoylglycine micelle-guided synthesis of a recyclable CuO@ SiO ₂ nanocatalyst for hydride transfer nitro reduction in water.	<i>New J. Chem.</i>	47	1577 1 - 1577 7	2023	ISSN: 1144-0546 (print); 1369-9261 (web)
5.	G. Arunkumar, P. Nantheeswaran, M. Mariappan, R. K. Kamlekar , M. Pannipara, A. G. Al-Sehemi and S. P.	Cobalt metal–organic framework microcrystalline particles with strong electrocatalytic activity: amine controlled morphology and OER activity.	<i>New J. Chem.</i>	47	9654-9660	2023	ISSN: 1144-0546 (print); 1369-9261 (web)

	Anthony*						
6.	Roopa Kenoth*, Arya K Sreekumar, A. Sukanya, A. Anand Prabhu, R. K. Kamlekar*	Interaction of sugar stabilised silver nanoparticles with Momordica charantia seed lectin, a type II ribosome inactivating protein.	<i>Glycoconjugate Journal</i>	40	179-189	2023	Online ISSN: 1573-4986, Print ISSN: 0282-0080
7.	P. Aleena, R. K. Kamlekar , M. Sureshan, A.Jothi, V. K.K. Praneeth, S. Ramesh, V. Anbazhagan*	Effectiveness of the hydrophobic core of pyridine tethered N-acyl glycine micelles in improving chromenoquinoline synthesis in water.	<i>Colloids and Surfaces A: Physicochemical and Engineering Aspects.</i>	664(5)	1311-29	2023	Online ISSN: 1873-4359, Print ISSN: 0927-7757
8.	A. P. Sukanya, S. Megarajan, L.J. Martin, V. Anbazhagan, R. K. Kamlekar*	Interaction of N-acyltaurines with phosphatidylcholines.	<i>Biochimica et Biophysica Acta (BBA) - Biomembranes.</i>	1865 (3)	1841-03	2022	ISSN: 0005-2736
9.	A. P, Sukanya, R. K. Kamlekar*	Function and therapeutic potential of N-acyl amino acids	<i>Chemistry and Physics of Lipids</i>	239	1051-14	2021	ISSN: 0009-3084
10.	S. Megarajan; R. K. Kamlekar ; V. Anbazhagan*	Highly selective rapid colorimetric sensing of Pb ²⁺ ion in water samples and paint based on metal induced aggregation of N-decanoyltromethamine capped gold nanoparticles	<i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy.</i>	239	1184-85	2020	ISSN: 1386-1425
11.	A. P. Sukanya, R. K. Kamlekar*	Characterization of the molecular packing, thermotropic phase behaviour and critical micellar concentration of a homologous series of N-acyltaurines ($n = 9-18$). PXRD, DSC and fluorescence spectroscopic studies	<i>Chemistry and Physics of Lipids</i>	230	1049-29	2020	ISSN: 0009-3084
12.	S. Megarajan; R. K. Kamlekar ; P. Suresh Kumar;	Rapid and selective colorimetric sensing of Au ³⁺ ions based on galvanic displacement	<i>New Journal of Chemistry</i>	43	1874-1-1874-6	2019	ISSN: 1144-0546 (print);

	V. Anbazhagan*	of silver nanoparticles					1369-9261 (web)
13.	S. B. Subramaniyan, V. Santhosh, S. Megarajan, R. K. Kamlekar , V. Anbazhagan*	Remarkable effect of jacalin in diminishing the protein corona interference in the antibacterial activity of pectin-capped copper sulfide nanoparticles	<i>ACS Omega</i>	4(9)	1404 9-1405 6	2019	ISSN: 2470-1343
14.	J Murugananda m, S Megarajan, S B Subramaniyan, R.K. Kamlekar , V Anbazhagan*	A convenient green method to synthesize luminescent carbon dots from edible carrot and its application in bioimaging and preparation of nanocatalyst	<i>J. Mol. Liquids</i>	278	175-182	2019	Online ISSN: 0167-7322
15.	S Megarajan, S. B. Subramaniyan, A. P. Sukanya, R.K. Kamlekar , V Anbazhagan*	Effective elimination of biofilm formed with waterborne pathogens using copper nanoparticles	<i>Microbial Pathogenesis</i>	127	341-346	2019	Online ISSN: 0882-4010
16.	R. Kenoth, X Zou, D. K. Simanshu, H. M. Pike, L. Malinina, D. J. Patel, R. E. Brown, R.K. Kamlekar*	Functional evaluation of tryptophans in glycolipid binding and membrane interaction by HET-C2, a fungal glycolipid transfer protein	BBA Biomembrane	1860 (5)	1069-1076	2018	Online ISSN: 0005-2736
17.	K.B. Ayaz Ahmed, P. Ahalya, M. Sengan, R.K. Kamlekar , V. Anbazhagan*	Synthesis and characterization of zinc sulfide quantum dots and their interaction with snake gourd (<i>Trichosanthes anguina</i>) seed lectin:	<i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i>	151	739–745	2015	Online ISSN: 1386-1425
18.	L. Malinina,* D.K. Simanshu, X. Zhai, V.R. Samygina, R.K. Kamlekar , R. Kenoth, B.O-Lizarralde, M.L. Malakhova, J.G.	Sphingolipid transfer proteins defined by the GLTP-fold	Quarterly Reviews of Biophysics	48 (03)	281-322	2015	Online ISSN: 1469-8994

	Molotkovsky, D.J. Patel,* and R.E. Brown*						
19.	D.K. Simanshu [‡] , R.K. Kamlekar[‡] , D.S. Wijesinghe [‡] , X. Zou, X. Zhai, S.K. Mishra, J.G. Molotkovsky, L. Malinina, E.H. Hinchcliffe, C.E. Chalfant*, R.E. Brown*, D.J. Patel* ([‡] Authors contributed equally to this work)	Non-vesicular trafficking by a ceramide-1-phosphate transfer protein regulates eicosanoids	Nature	500	463-468	2013	Online ISSN: 1476-4687
20.	S.T. Reddy [‡] , P.K. Tarafdar [‡] , R.K. Kamlekar , and M.J. Swamy* ([‡] Authors contributed equally to this work)	Structure and Thermotropic Phase Behavior of a Homologous Series of Bioactive N-Acyldopamines	<i>J. Phys. Chem. B.</i>	117	8747-57	2013	Online ISSN: 1520-5207
21.	R.K. Kamlekar[‡] , D. K. Simanshu [‡] , Y. Gao, R.Kenoth, H.M. Pike, F. G. Prendergast, L. Malinina, J. G. Molotkovsky, S. Y. Venyaminov, D. J. Patel, and R. E. Brown* ([‡] Authors contributed equally to this work).	The glycolipid transfer protein (GLTP) domain of phosphoinositol 4-phosphate adaptor protein-2 (FAPP2): structure drives preference for simple neutral glycosphingolipids	BBA-Molecular and Cell Biology of Lipids	1831(2)	417-27	2013	Online ISSN: 1388-1981
22.	R.Kenoth [‡] , R.K. Kamlekar[‡] , D.K. Simanshu [‡] , Y.	Conformational folding and stability of the HET-C2 glycolipid transfer protein fold:	<i>Biochemistry</i>	50(23)	5163-71	2011	Online ISSN: 1520-4995

	Gao, L. Malinina, F.G. Prendergast, J.G. Molotkovsky, D. J. Patel, S.Y. Venyaminov, R.E. Brown* ([†] Equal Author Contribution)	does a molten globule-like state regulate activity?					
23.	R.K. Kamlekar , Y. Gao, R. Kenoth, J. G. Molotkovsky, F. G. Prendergast, L. Malinina, D. J. Patel, W. S.Wessels, S. Y. Venyaminov, and R. E. Brown*	Human GLTP: three distinct functions for the three tryptophans in a novel peripheral amphitropic fold	<i>Biophys. J.</i>	99 (8)	2626- 35	2010	Online ISSN: 1542- 0086
24.	R. Kenoth, D. K. Simanshu, R.K. Kamlekar , H. M. Pike, J. G. Molotkovsky, L. M. Benson, H. R. Bergen III, F. G. Prendergast, L. Malinina, S. Y. Venyaminov, D. J. Patel, and R. E. Brown*	Structural Determination and Tryptophan Fluorescence of Heterokaryon Incompatibility C2 Protein (HET-C2), a Fungal Glycolipid Transfer Protein (GLTP), Provide Novel Insights into Glycolipid Specificity and Membrane Interaction by the GLTP-fold	<i>J. Biol. Chem.</i>	285(17)	1306 6-78	2010	Online ISSN: 1083- 351X
25.	M.J. Swamy*, P.K. Tarafdar, R.K. Kamlekar	Structure, Phase Behaviour and Membrane Interactions of <i>N</i> - acylethanolamines and <i>N</i> - acylphosphatidylethan olamines	<i>Chemistry and Physics of Lipids</i>	163	266- 79	2010	Online ISSN: 0009- 3084
26.	R.K. Kamlekar[†] , P. K. Tarafdar [†] & M. J. Swamy* ([†] Equal Author	Synthesis, Calorimetric Studies and Crystal Structures of <i>N</i> -, <i>O</i> - diacylethanolamines with Matched Chains	<i>J. Lipid Res.</i>	51 (1)	42-52	2010	Online ISSN: 1539- 7262

	Contribution)						
27.	R.K. Kamlekar[†] , M. S. Chandra [‡] , T. P. Radhakrishnan & M. J. Swamy* (*Equal Author Contribution)	Interaction of <i>N</i> -myristoylethanolamine with Cholesterol Investigated in a Langmuir Film at the Air-Water Interface	<i>Biophys. Chem.</i>	139 (1)	63-69	2009	Online ISSN: 0301-4622
28.	R.K. Kamlekar , S. Satyanarayana, D. Marsh & M. J. Swamy*	Miscibility and Phase Behavior of <i>N</i> -acylethanolamine/ Diacylphosphatidyl-ethanolamine Binary Mixtures of Matched Acyl Chainlengths (n = 14, 16)	<i>Biophys. J.</i>	92	3968-77	2007	Online ISSN: 1542-0086
29.	M. Ramakrishnan, P. K. Tarafdar, R. K. Kamlekar & M. J. Swamy*	Differential Scanning Calorimetric Studies on the Interaction of <i>N</i> -acylethanolamines with Cholesterol	<i>Current Science</i>	93 (2):	234-238	2007	Online ISSN: 0011-3891
30.	R. K. Kamlekar & M. J. Swamy*	Molecular Packing and Intermolecular Interactions in Two Structural Polymorphs of <i>N</i> -Palmitoylethanolamine, a Type-2 Cannabinoid Receptor Agonist	<i>J. Lipid Res.</i>	47	1424-1433	2006	Online ISSN: 1539-7262
31.	R. K. Kamlekar & M. J. Swamy*	Studies on the Critical Micellar Concentration and Phase Transitions of Stearoylcarnitine	<i>Biosci. Rep.</i>	26	387-398	2006	Online ISSN: 1573-4935
32.	M. Ramakrishnan, R. Kenoth, R. K. Kamlekar , M. S. Chandra, T. P. Radhakrishnan & M. J. Swamy*	<i>N</i> -Myristoylethanolamine—Cholesterol (1:1) Complex: First Evidence from Differential Scanning Calorimetry, Fast-Atom-Bombardment Mass Spectrometry and Computational Modeling	<i>FEBS Let.</i>	531	343-347	2002	Online ISSN: 1873-3468

5. Policy Documents Reports/ Mimeos:

SNo.	Title	Institution/ Agency	Year
1.			
2.			
3.			

6. MOOCs/ eSLMs/ eModules developed :

SNo.	Author/ Co-author (if any)	Title	Credits	Level	Host Portal: (SWAYAM/ NPTEL/ NMEICT/ ePG Pathshala/ Any Other)	Year	Weblink

7. Presentation/Invited talk/Chair in National or International Seminar/Conference/ Workshops (Please do not mention if it is only participation without presentation)

S. No.	Author/ Co author (if any)	Title of presentation, /Talk/Lecture	Name Organizing institute	Conference	City	Date and Year
1.	R. K. Kamlekar	<i>Human ceramide-1-phosphate transfer protein: the emergence of a new GLTP-fold subfamily in eukaryotes</i>	NIT Rourkela, India. (22 nd Biennial Conference of the Indian Photobiology Society)	Biomolecular Dynamic-Experimental & Theoretical Perspective (BDETP) - 2017	Rourkela, India	Dec 18-20 2017
2.	D. K. Simanshu, R.K. Kamlekar , Dayanjan S. Wijesinghe, Xianqiong Zou, X. Zhai, S.K. Mishra, J.G. Molotkovsky, L.Malinina, E.H. Hinchcliffe, C.E. Chalfant, D.J. Patel, R.E. Brown*	<i>Nonvesicular Trafficking of Ceramide-1-Phosphate by a Lipid Transfer Protein that Regulates Eicosanoid Production</i>	<i>Biophysical J. 106 (2): 303a</i>	Paper presented (poster) in the Biophysical Society 58 th Annual Meeting	San Francisco, California, USA,	Feb.15-19, 2014
3.	R.K. Kamlekar , Y. Gao, D. Simanshu, F.G. Prendergast, S.Y.	<i>Glycolipid Transfer Protein (GLTP) Domain of Phosphoinositol 4-Phosphate Adaptor Protein-2 (FAPP2):</i>	<i>Biophysical J. 102(3): 495a</i>	Paper presented (poster) in the Biophysical Society 56 th Annual	Boston, USA	24 th to 28 th Feb. 2012

	Venjaminov, L. Malinina, J.G. Molotkovsky, D.J. Patel, R.E. Brown*	<i>Lipid Transfer Specificity and Physical Features</i>		Meeting		
4.	R.K. Kamlekar , Y. Gao, H.M. Pike, R. Kenoth ¹ , F.G. Prendergast ² , S.Y. Venyaminov, R.E. Brown*	<i>Site-Directed Mutagenesis of Human GLTP: Role of Tryptophan Residues</i>	<i>Biophysical J.</i> 96(3): 326a	Paper presented (poster) in the Biophysical Society 53 rd Annual Meeting	Boston, USA	28 th Feb-04 th March 2009
5.	R.K. Kamlekar , R. Kenoth, H.M. Pike, F.G. Prendergast, S.Y. Venyaminov, R.E. Brown*	<i>Folding /Unfolding of Glycolipid Transfer Protein: Molten Globule-Like Intermediates?</i>	<i>Biophysical J.</i> 96(3): 82a	Paper presented (poster) in the Biophysical Society 53 rd Annual Meeting.	Boston, USA	28 th Feb-04 th March 2009
6.	R.Kenoth, R.K. Kamlekar , H.M. Pike, F.G. Prendergast, S.Y. Venyaminov, R.E. Brown*	<i>Spectral Characterization of Het-C2, A Glycolipid-transfer Protein</i>	<i>Biophysical J.</i> 96(3): 337a	Paper presented (poster) in the Biophysical Society 53 rd Annual Meeting	Boston, USA	28 th Feb-04 th March 2009
7.	R. K. Kamlekar , Musti J. Swamy*	<i>Crystal Structure and Intermolecular Interactions of Two Polymorphs of N-Palmitoylethanolamine, A Type-2 Cannabinoid Receptor Agonist</i>		Paper presented (poster) in the Asia-Pacific Workshop on Biological Physics, National University of Singapore,	NSU, Singapore	3-5 July 2006
8.	R. K. Kamlekar , M. S. Chandra, T. P. Radhakrishnan & Musti J. Swamy*	<i>N-Acylethanolamines: Structural Polymorphism and Interaction with Cholesterol</i>		Paper presented (oral & poster) in the CHEMFEST-2006, School of Chemistry, University of Hyderabad.	Hyderabad, India	March 04, 2006
9.	R. K. Kamlekar , D. Marsh & Musti J. Swamy*	<i>Miscibility and Phase Behavior of N-Acylethanolamine/</i>		Paper presented (poster) in the CHEMFEST-	Hyderabad, India	March 2005

		<i>Phosphatidylethanolamine Binary Mixtures of Matched Acyl Chains. Calorimetric and ESR Spectral Studies</i>		2005, School of Chemistry, University of Hyderabad.		
10.	R. K. Kamlekar, D. Marsh & Musti J. Swamy*	<i>Miscibility and Phase behavior of binary mixtures of NMEA/DMPE and NPEA/DPPE: The DSC and ESR spectral study.</i>	Dr. B. R. Ambedkar Centre for Biomedical Research	Paper presented (poster) in the International Conference on Chemistry Biology Interface: Synergistic New Frontiers,	New Delhi	21-26 Nov. 2004

8. Consultancy assignment (if any):

SNo.	Organization/ agency	Cost, title of consultancy	Duration

9. Details of Institution/ Government/ Industry / own Institution Sponsored Research Projects (including Programme Evaluation) and Amount (Both completed and ongoing):

SNo.	Agency	Amount	Duration with dates	Status i.e. Ongoing/ Completed
1.	“Structure Activity Studies of a New Structural Class of Bioactive Fatty Acid Amides: <i>N</i> - acyltaurines”. (YSS/2014/000021), DST-SERB, India	₹24,60,000/-	3 Years (2015-2018)	Completed
2.	“An Investigation on the Interaction of Serum Proteins (BSA & HSA) with Bioactive Fatty Acid Amide: <i>N</i> -acyltaurines”, (SG20210066), VIT Vellore	₹3,00,000/-	2 Years (2021-23)	Completed
3.	Cationic/Neutral Liposomes as Solid Lipid Nanoparticles: Biophysical Characterization, and Drug Entrapment/Release Studies, (SG20230078), VIT Vellore	₹2,50,000/-	1 Years (2023-24)	Completed

10. Details of PhD and MPhil Scholars (including those awarded degree):

SNo.	Name and enrolment no:	Year of registration	Year of completion/ award
1.	Ms. SUKANYA. A.; 15PHD0133	2015	2021

11. Details of Programmes/ Courses coordinated/ written/ edited/ translated 9if applicable):

SN o.	Programme	Course	Unit (print)/ Audio/Video/ eSLM	Coordinated/Written / Edited (content/ language/ format)/ Translated	Period

12. Training programmes designed and conducted, duration and dates

SNo.	Programme	Dates	Place	Number of Participants

13. Details of Counselling sessions conducted:

SNo.	Program me	Course	Place	Dates	Duration	Mode (Specify- Face to Face Radio counselling Teleconferencing Web conferencing Any Other)

14. Details of Patents granted (if any):

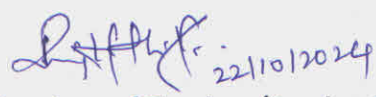
15. Contribution to IGNOU's corporate life:

S.No.	Chairperson/ Committee	Member	of	Name of the Committee	Date/ period
1.					

16. Administrative position/s held in the University (even as in charge)

SNo.	Designation	Period
1.	Regional Director, IGNOU RC Bijapur	18 th Dec 2023 onwards

17. Any other contribution/information


 Signature of Teacher /Academic
 डॉ. रविकान्त कामलेकर | Dr. Ravikanth Kamlekar
 क्षेत्रीय निदेशक | Regional Director
 इग्नू क्षेत्रीय केंद्र, बिजापुर | Regional Centre, Bijapur
 विजयपुर-५८६१०१ | Vijayapura-586101