

FACULTY PROFILE

1. Name (Block letters) : Dr. RAJESHA NAIRY K
2. Date of Birth : 11.01.1987
3. Mother tongue : Kannada
4. Blood group : B⁺
5. Present designation : Assistant Professor
6. Category : Cat-1
7. Residential Address : F-3, G.K. Heights Shirur Park,
Hubballi 580031
8. Permanent Address : 3-34 D, Samruddi, Chitrapadi
Saligrama Post, Udupi
Karnataka - 576225
9. Phone Numbers
Residence Phone No : 9481213790
Mobile No: : 9986545906
Email : rajesh.nairy@gmail.com
10. Academic Qualifications: (from UG course)

Sl. No.	Qualification	University	Year of Passing	Class	Awards
1	B.Sc.	Mangaluru	2008	First	-
2	M.Sc.	Mangaluru	2010	First	-
3	Ph.D	Mangaluru	2017	First	-

11. Service particulars :

Sl. No.	Position	Year		Name of the Institution
		From	To	
1	Assistant Professor	18/06/2019	Till date	K.L.E. Society's P.C. Jabin Science College, Hubballi
2	Assistant Professor	06/08/2015	18/06/2019	P.A. College of Engineering, Mangaluru

12. Research

- a) Title of the Research : Radiation Biophysics and Nanotechnology
- b) Projects applied/ : --

Title of Minor/major projects	: --
Grant (in lakhs)	: --
c) Projects completed/Submitted	: -
d) Publications	: 14

Sl No	Journal
1	KC Sunil, Sen Utsav, Rajesha K Nairy, G Chethan, Sudheer P Shenoy, Mohammed S Mustak, Narayana Yerol, "Synthesis and characterization of Zn ₀ . 4Co ₀ . 6Fe ₂ O ₄ superparamagnetic nanoparticles as a promising agent against proliferation of colorectal cancer cells" <i>Ceramics International</i> :47(13): 19026-19035. https://doi.org/10.1016/j.ceramint.2021.03.248 . (Impact factor; 4.57).
2	KC Sunil, Saritha Suvarna, Rajesha K Nairy , G Chethan, MS Mustak, Narayana Yerol, "Facile, cost-effective and eco-friendly synthesis of carbonyl-rich partially reduced graphene oxide using glucose as a sole precursor" <i>SN Applied Sciences</i> : 2:1323. https://doi.org/10.1007/s42452-020-3134-0 .
3	Sareen Sheik, Sana Sheik, Rajesha Nairy , G.K.Nagaraja, Ashwini Prabhu, P.D.Rekha, Kalappa Prashantha, "Study on the morphological and biocompatible properties of chitosan grafted silk fibre reinforced PVA films for tissue engineering applications", <i>International Journal of Biological Macromolecules</i> :116, 45-53, 2018. doi.org/10.1016/j.ijbiomac.2018.05.019 (Impact factor; 3.67).
4	Jit Chatterjee, Rajesha K Nairy , Jaldeep Langhnoja, Tripathi A, Patil RK, Pillai PP, Mustak MS, "ER stress and genomic instability induced by gamma radiation in mice primary cultured glial cells", <i>Metab Brain Dis</i> . 2018 doi: 10.1007/s11011-018-0183-9. (Impact factor; 2.29).
5	Manjunatha Pattabi, M Krishnaprabha, Rajesha Nairy K , Murali Sastry, "Room temperature synthesis of porous gold nanostructures by controlled transmetallation reaction via chicken egg shell membrane", <i>Materials Chemistry and Physics</i> : 202, 22-30, 2017. (Impact factor; 2.08).
6	Saritha Suvarna, Rajesha Nairy K , Sunil KC, Narayana Y, "Cytotoxicity Studies of Functionalized Gold Nanoparticles Using Yeast Comet Assay", <i>J Clin Toxicol</i> 7: 346, 2017. doi:10.4172/2161-0495.1000347 (Impact factor; 1.03).
7	Usha Yadav, K. B. Anjaria, Rajesha Nairy , K. B. Shirsath, Utkarsha N. Desai, Rajesh K. Chaurasia, Nagesh N. Bhat*, B. K. Sapra., "Differential killing and radio-modifying effects of iodoacetate in mammalian normal and cancer cells", <i>Radiat Environ Biophys</i> , March 2017 (DOI 10.1007/s00411-017-0699-0). (Impact factor; 2.43).
8	K Rajesha Nairy , Narayana Yerol, N Nagesh Bhat, Utkarsha Desai, Kapil Shirsath, Usha Yadav, Rajesh K. Chaurasia, Sapra B K., "Standardization of CalyculinA induced PCC assay and its advantages over Okadaic acid PCC assay in Biodosimetry applications", <i>Journal of Occupational Health</i> , July 2016. (Impact factor; 1.66).
9	K Rajesha Nairy , N Nagesh Bhat, Ganesh Sanjeev and Y Narayana., "Dose response study using micronucleus cytome assay - a tool for biodosimetry application", <i>Radiation Protection Dosimetry</i> , March 2016. (Impact factor; 0.913).
10	K Rajesha Nairy , N Nagesh Bhat, Praveen Joseph, Ganesh Sanjeev and Y Narayana., "Studies on electron beam induced DNA Damage and Repair Kinetics in lymphocytes by alkaline comet assay", <i>International journal of Radiation Research</i> , 13 (2), 213-220, July 2015 (Impact factor; 0.366).
11	K Rajesha Nairy , N Nagesh Bhat, K B Anjaria, B Sreedevi, B K Sapra, Yerol Narayana., "Study of gamma radiation induced damages and variation of Oxygen Enhancement Ratio with Radiation Dose using <i>Saccharomyces cerevisiae</i> ", <i>Journal</i>

	<i>of Radioanalytical and Nuclear Chemistry</i> , 302 (2), 1027-1033, November 2014 (Impact factor; 1.03).
12	Praveen Joseph, K Rajesha Nairy , Santhosh Acharya, Ganesh Sanjeev and Y Narayana., “Chemical dosimeters for electron beam dosimetry of microtron accelerator”, <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 302 (2), 1013-1019, November 2014 (Impact factor; 1.03).
13	Rajesh Kumar Chaurasia, Sreedevi Balakrishnana, Amit Kunwar, Usha Yadav, Nagesh Bhat, Kshiti Anjaria, K Rajesha Nairy , Balvinder Kaur Sapra, Vimal Kumar Jain, K. Indira Priyadarsini., “Cyto-genotoxicity assessment of potential radioprotector, 3,3'-diselenodipropionic acid (DSePA) in Chinese Hamster Ovary (CHO) cells and human peripheral blood lymphocytes”, <i>Mutation Research/Genetic Toxicology and Environmental Mutagenesis</i> , 774, 8-16, November 2014 (Impact factor; 2.41).
14	Praveen Joseph, Narayana Yerol, K Rajesha Nairy , Ganesh Sanjeev, N N Bhat., “Assessment of electron beam induced DNA damage in human peripheral blood by alkaline comet assay”, <i>Radiation protection and environment</i> , 34(4), 221-224, 2011.

e) Guideship : K.L.E. Technological University, Hubballi

f) Number of M. Phil/Ph.D registered and produced. --

13. Participation in Symposia, Seminars, Conferences and Workshops.

International	National	State	Total
2	3	2	7

14. Presentation of papers in Seminars, Symposia & Conferences.

International	National	Total
5	4	9

15. Details of presentations:

- **Rajesha K Nairy**, Praveen Joseph, Sunil K C, Saritha Suvarna, M.S. Mustak, Jit Chatterjee, and Narayana Yerol, “Cell Inactivation and Oxygen Enhancement Ratio studies on *Saccharomyces Cerevisiae* using 8 MeV pulsed Electron Beam presented at International Conference on ‘Recent Advances in Materials Science and Biophysics’ (RAMSB) held on January 23-25, 2018, at Mangalore University, Mangalagangothri.
- **K Rajesha Nairy**, N Nagesh Bhat, B Kshiti Anjaria, and Y Narayana., “Study of Variation of Oxygen Enhancement Ratio with Radiation Dose using *Saccharomyces cerevisiae*” presented at Third International conference on Application of Radiotracers and energetic beams in Sciences (ARCEBS-14) held on Jan 12-14, 2014 at Saha Institute of Nuclear Physics, Kolkata.
- **K Rajesha Nairy**, N Nagesh Bhat, Kapil Shirsath, Utkarsha Desai, Usha Yadav, B Kshiti Anjaria, Sreedevi Balakrishnan and Narayana Yerol., “Dose response study using micronucleus cytome assay - useful tool for biodosimetry application” presented at International conference on Radiation Biology-Frontiers in Radiobiology: Immunomodulation, Countermeasures & Therapeutics (ICRB-2014) held on Nov 11-13, 2014 at INMAS, Delhi.
- **K Rajesha Nairy**, N Nagesh Bhat, Utkarsha Desai, Kapil Shirsath, Usha Yadav, B Kshiti Anjaria, Sreedevi Balakrishnan and Narayana Yerol., “Estimation of high

radiation dose during accidental exposure using calyculin- A induced premature chromosome condensation assay” presented at International conference on Radiation Biology-Frontiers in Radiobiology: Immunomodulation, Countermeasures & Therapeutics (ICRB-2014) held on Nov 11-13, 2014 at INMAS, Delhi.

- **K Rajesha Nairy**, B Kshiti Anjaria, N Nagesh Bhat, Rajesh Kumar Chaurasia, Sreedevi Balakrishnan and Narayana Yerol., “Measurement of Oxygen Enhancement Ratio (OER) for sub-lethal region using *saccharomyces cerevisiae*”, presented at International Conference of Radiation Biology (ICRB-13) held on Oct 25-27, 2013 at NITTE University, Mangalore.
- **Rajesha K Nairy**, Nagesh N Bhat and NarayanaYerol, “Variation of Relative Biological Effectiveness with radiation dose studies using 3 MeV proton radiations” presented at National Conference on Particle Accelerators in Interdisciplinary Research (PAIR-2017) held on April 11-13, 2017 at Mangalore University.
- **K Rajesha Nairy**, N Nagesh Bhat and Narayana Yerol., “Studies on biological effects of 3 MeV proton radiations and estimation of relative biological effectiveness”, presented at National seminar on Radiation and Environment held on February 5-6, 2015 at St. Philomena College, Puttur, Karnataka.
- **K Rajesha Nairy**, N Nagesh Bhat and Y Narayana., “Radiation induced cell inactivation and gene conversion studies using 3 Mev proton beams from folded tandem ion accelerator” presented at 31st IARP National Conference on Advances in Radiation Measurement Systems and Techniques held on March 19-21, 2014 at BARC, Mumbai.
- **K Rajesha Nairy**, N Nagesh Bhat, B Kshiti Anjaria, Usha Yadav and Narayana Yerol., “Relative Biological Effectiveness studies using 3 MeV proton beam from Folded Tandem Ion Accelerator”, presented at National conference on Current trends in scientific research for engineering application (NCSEA-2014) held on July 17 -18, 2014 at St. Joseph Engineering College, Mangalore, Karnataka.
- **K Rajesha Nairy**, Narayana Yerol, Praveen Joseph, Ganesha Sanjeeva and N Nagesh Bhat., “Evaluation of 8 MeV electron beam induced DNA damage in Human peripheral blood lymphocytes using Alkaline comet assay and acellular comet assay” presented at 38th Annual conference of environmental mutagen society of india (EMSI) and national conference on current perspectives on environmental mutagenesis and human health (EMSI-13) held on Jan 28-30, 2013 at BARC, Mumbai.

16. Participation in Orientation and Refresher courses:

Sl. No.	Programme/course	Duration	Name of the University
1	Orientation programme	4 Week	Teaching learning centre, Ramanujan college, University of Delhi
2	Refresher Course	14 days	UGC HRD, Sambalpur University
3	Refresher Course	14 days	Teaching learning centre, Ramanujan college, University of Delhi

17. Contribution as Resource Person/judge/Key note speaker/rapporteur/etc:

Sl No	Title of the lecture or speech	Place & date
-	-	-

18. Teaching Innovations

: Model based teaching

19. Extracurricular activities : Sports, NCC,
20. Important responsibilities held : Department Coordinator-National Board of Accreditation (NBA)
Department Coordinator- P.A Research Center
21. Training Programmes attended : 02
22. Computer literacy : MS word, MS office and Power point, Origin software
23. Award Received : BRNS-JRF, BRNS-SRF
24. Proficiency in languages : Kannada, Hindi, English
25. Memberships-Academic/Professional/social : -
26. Duties/responsibilities assigned at the college : IQAC Coordinator
27. Sports and Hobbies : Cricket, Kabaddi, chess and

DECLARATION

Above given information is correct and true to the best of my knowledge.

Signature of Employee

Signature of HOD

Signature of Principal