



**Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD**
NAAC Accredited

Phone No: 0836-2215410 & 2215400 Fax: 0836-2744334
Email: principal.kscd@gmail.com Web: www.kscd.ac.in



3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

INDIA NON JUDICIAL

Government of Karnataka

Rs. 100

e-Stamp

Certificate No.	: IN-KA38679903717317V
Certificate Issued Date	: 11-Apr-2023 12:47 PM
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Purchased by	: PRINCIPAL KARNATAK SCIENCE COLLEGE DHARWAD
Description of Document	: Article 12 Bond
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Stamp Duty Amount(Rs.)	: 100 (One Hundred only)

सत्यमेव जयते

Please write or type below this line

Memorandum of Understanding (MOU) for Academic Cooperation
Between
Karnatak Science College, Dharwad.
And
CRFM, Jain Global Campus, Jakkasandr Pos

This Memorandum of Understanding (MOU) is entered into on 01/03/2023 by and between Karnatak Science College Dharwad and CRFM, Jain Global Campus, Jakkasandr Post, agrees that cooperation in student and faculty exchanges would be mutually beneficial. The areas of cooperation may include, subject to mutual consent, any desirable and feasible activity that would further the goals of each institute. Such interaction may include cooperation in a variety of joint academic and education activities such as:

1. Joint research projects and publications, including work by undergraduate, graduate and research scholars at the partner institutions.
2. Faculty and student visit and inhand experience based on reciprocity.
3. Joint workshops, lectures and extension programmes.
4. Team taught classes and programmes.
5. Visits by faculty, professional staff and students.
6. Guest lecture.

Objectives

The goal is to foster collaboration provides opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity best effort mutual benefit in terms of service experience and knowledge, and frequent interactions. The Karnatak Science collegeDharwad and CRFM, Jain Global Campus, Jakkasandr Post agree

- a) To exchange the students to expand their research and knowledge,
- b) To exchange information on current advances in the field of science.

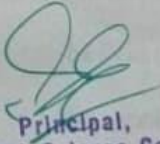
Karnatak Science College Dharwad and CRFM, Jain Global Campus, Jakkasandr Post, further agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two organists. These terms shall include a technical description of the proposed activity.

Tenure and Termination

For agreed upon activities, both institutions will make available their facilities and staffs. This MOU will take effect on the will be valid for 10 years from the date noted in the first line of this documents unless terminated by one of the parties. Either party may withdraw from this MOU provided written notification of the withdrawal is given to other party at least three (3) months prior to the desired withdrawal date. This MOU may be renewed for another period of 5 years upon mutual written consent of the parties before the expiration date. Each institution will have copies of this agreement.

The following authorized individuals have signed the present MOU on behalf of their respective institutions.




Principal,
Karnatak Science College
Dharwad.



सत्यमेव जयते

INDIA NON JUDICIAL

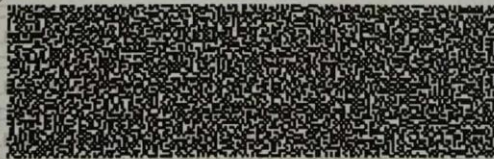
Government of Karnataka

Rs. 100

e-Stamp

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Purchased by : PRINCIPAL KARNATAK SCIENCE COLLEGE DHARWAD
Description of Document : Article 12 Bond
Description : M O U
Consideration Price (Rs.) : 0
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First Party : PRINCIPAL KARNATAK SCIENCE COLLEGE DHARWAD
Second Party : COLLEGE OF SCIENCE TUNGHAI UNIVERSITY TW
Stamp Duty Paid By : PRINCIPAL KARNATAK SCIENCE COLLEGE DHARWAD
Stamp Duty Amount(Rs.) : 100
 (One Hundred only)

सत्यमेव जयते



Please write or type below this line

**Memorandum of Understanding (MOU) for Academic Cooperation
 Between
 Karnatak Science College, Dharwad.
 And
 College of Science (Biomedical & Material Science), Tunghai University-
 Taichung, Taiwan**



Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.sholestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

GOVERNMENT OF KARNATAKA

This Memorandum of Understanding (MOU) is entered into on **23/02/2023** by and between Karnatak Science College Dharwad and College of Science (Biomedical & Material Science), Tunghai University-Taichung, Taiwan, agrees that cooperation in student and faculty exchanges would be mutually beneficial. The areas of cooperation may include, subject to mutual consent, any desirable and feasible activity that would further the goals of each institute. Such interaction may include cooperation in a variety of joint academic and education activities such as:

1. Joint research projects and publications, including work by undergraduate, graduate and research scholars at the partner institutions.
2. Faculty and student visit and inhand experience based on reciprocity.
3. Joint workshops, lectures and extension programmes.
4. Team taught classes and programmes.
5. Visits by faculty, professional staff and students.
6. Guest lecture.

Objectives

The goal is to foster collaboration provides opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity best effort mutual benefit in terms of service experience and knowledge, and frequent interactions. The Karnatak Science college Dharwad and College of Science (Biomedical & Material Science), Tunghai University-Taichung, Taiwan agree

- a) To exchange the students to expand their research and knowledge,
- b) To exchange information on current advances in the field of science.

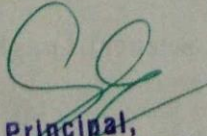
Karnatak Science College Dharwad and College of Science (Biomedical & Material Science), Tunghai University-Taichung, Taiwan further agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two organists. These terms shall include a technical description of the proposed activity.

Tenure and Termination

For agreed upon activities, both institutions will make available their facilities and staffs. This MOU will take effect on the will be valid for 10 years from the date noted in the first line of this documents unless terminated by one of the parties. Either party may withdraw from this MOU provided written notification of the withdrawal is given to other party at least three (3) months prior to the desired withdrawal date. This MOU may be renewed for another period of 5 years upon mutual written consent of the parties before the expiration date. Each institution will have copies of this agreement.

The following authorized individuals have signed the present MOU on behalf of their respective institutions.




Principal,
Karnatak Science College
Dharwad.



"A" Grade
NAAC Accredited 2014

Dr. Rajashekhar F. Bhajantri
Professor


ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
KARNATAK UNIVERSITY, DHARWAD

Department of Physics
Pavate Nagar, Dharwad-580 003
Karnataka, India
Phone: 0836-2215316
Mobile: 9448623319
E-mail: rfbhajantri@gmail.com
rfbhajantri@kud.ac.in

Date: 23-12-2021

To whomsoever it may concern

This is to certify that, my research group is carrying out the collaborative research work with the research group headed by Dr. Blaise Lobo, Associate Professor, Department of Physics, Karnatak Science College, Dharwad for the year 2020-21 and till date. We are working on positron annihilation studies of polymer-based nanocomposites and other materials under this collaborative research activity. His research group are using the facilities in our research laboratory at Department of Physics, K.U. Dharwad and presently we are working on synthesis of nanoparticles and studies on polymer nanocomposites for energy storage devices.


(R. F. Bhajantri)
Dr. RAJASHEKHAR F. BHAJANTRI
Professor
Department of Studies in Physics
Karnatak University, Dharwad-580 003 India



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD



Dr. Saraswati P. Masti
Associate Professor
Department of Chemistry

E-mail: dr.sarsawtimasti@yahoo.com
Mobile No.: 998055629


Date: 28/09/2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

I hereby state that the research group headed by me in the Department of Chemistry, Karnatak University's Karnatak Science College, Dharwad has a fruitful collaboration with the research group of Dr. Blaise Lobo, Associate Professor, Karnatak Science College, Dharwad. The collaboration work, which started in the year 2017 and is continuing to date, involves analysis of thermal analysis data, electrical characterization and tensile mechanical studies on polymeric blends and composites, including nano-composites. I am happy to state that a few research papers in reputed journals (with joint authorship) has resulted from this collaborative work, and it is expected to continue in the future days as well.

Yours sincerely,


Dr. SARASWATI P. MASTI
Associate Professor
Department of Chemistry
Karnatak Science College
Dharwad-560 001



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
DEPARTMENT OF PHYSICS



Dr. Blaise Lobo

Associate Professor & Research Guide

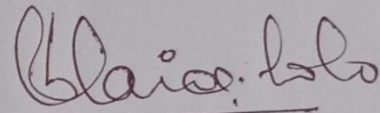
Dharwad

24th September 2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

I hereby state that the research group headed by me in the Department of Physics, Karnatak University's Karnatak Science College, Dharwad has a fruitful collaboration with the research group of Dr. (Smt.) Saraswati P Masti, Associate Professor, Karnatak Science College, Dharwad. The collaboration work, which started in the year 2017 and is continuing to date, involves analysis of thermal analysis data, electrical characterization and tensile mechanical studies on polymeric blends and composites, including nano-composites. I am happy to state that a few research papers in reputed journals (with joint authorship) has resulted from this collaborative work, and it is expected to continue in the future days as well.


Dr. BLAISE LOBO
ASSOCIATE PROFESSOR
& RESEARCH GUIDE



Karnatak University's
Karnatak Science College, Dharwad
Department of Chemistry



Dr. RAJAPPA.S.K
Assistant Professor
Karnatak Science College
Dharwad-580 001

Mobile No: +919620626968
Phone No: 0836-2215400
Fax: 0836-2744334
Email: drrajappask@gmail.com

Date: 02-01-2022

RESEARCH COLLABORATION LETTER

I am **Dr. Rajappa S K**, presently working as an Assistant Professor in the Department of Chemistry, Karnatak Science College, Dharwad (since March -2012) and recognized as a Research guide by the Karnatak University, Dharwad (since 2015). Presently 05 research students and 04 M. Sc project students are working under my research supervision. Our research group is carrying out some significant research work in the area of electrochemistry and materials Science.

I have a **Research Collaboration with Dr. G H Malimath**, Associate Professor, Department of Physics, Karnatak Science College, Dharwad in order to **utilize the instruments and other research facilities** available in his research laboratory to carry out joint research work in the area of electrochemistry & materials science.

(RAJAPPA S K)
DR. RAJAPPA. S. K.
M.Sc.,Ph.D.
Assistant Professor
Department of Chemistry,
Karnatak Science College,
DHARWAD-580001

2023/2/22 14:20



"A" Grade
NAAC Accredited 2014

Dr. Rajashekhhar F. Bhajantri
Professor


ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
KARNATAK UNIVERSITY, DHARWAD

Department of Physics
Payale Nagar, Dharwad-580 003
Karnataka, India
Phone: 0836-2215316
Mobile: 9448623319
E-mail: rfbhajantri@gmail.com
rfbhajantri@ku.ac.in

To whomsoever it may concern

I am happy to state that, we are doing collaborative research work with Dr. Saraswati P. Masti, Associate Professor of Chemistry, Karnatak Science College, Dharwad from 2008 to till date. We are using different experimental facilities of Dr. Saraswati P Masti's laboratory and her research group are using the facilities in our research laboratory at Department of Physics, K.U. Dharwad. Our research collaboration has yielded many publications in highly reputed international journals on materials science and chemical science. Our research collaboration is continuous and presently we are working on synthesis of nanoparticles and studies on polymer nanocomposites for optical applications and polymer electrolytes for energy storage devices.

Yours sincerely


17/11/2021
Dr. RAJASHEKHAR F. BHAJANTRI
Professor
Department of Studies in Physics
Karnatak University, Dharwad-580 003 India

Dr. RAJESH G. KALKHAMBKAR
Asst. Professor of Chemistry
Email: rgkalkhambkar@gmail.com
Cell No: +91-9902831760



Department of Chemistry
Karnatak Science College,
Dharwad 580001, Karnataka
Web: www.kcd.org.in

Date: 31/05/2022

To,

Prof Mahaveer Kurkuri

Associate Director

Centre for Research in Functional Materials (CRFM)

JAIN University

Jain Global Campus, 45th km, NH-209, Jakkasandra Post

Kanakapura Tq, Ramanagara District-562 112, Karnataka

India

Subject: Regarding MOU for research collaboration

Dear Prof Mahaveer Kurkuri,

I am happy to inform you that Principal Karnatak Science College Dharwad agreed to have MOU for research collaboration between Centre for Research in Functional Materials (CRFM) Jain University and Research laboratory of Dr. R G. Kalkhambkar effective from June 2022. I hope this MOU of research collaboration will flourish into more research outputs in the form of high scientific research publications or patents for broad readership of scientific community. Hence I request you to kindly send one letter of MOU to principal Karnatak Science College Dharwad for further information and needful action.

With warm regards,

Dharwad

Dr. Rajesh G. Kalkhambkar



ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
KARNATAK UNIVERSITY, DHARWAD

Accredited by NAAC with 'A' Grade
University with Potential for Excellence

ದೂರವಾಣಿ : (0836) 5508599
Tel : +91 836 2215243
Fax : +91 836 2747884
E-mail : praveenkumarsk@gmail.com
Cell : +91-8460374716

ಜೀವರಸಾಯನಶಾಸ್ತ್ರ ವಿಭಾಗ

DEPARTMENT OF BIOCHEMISTRY

Dr. PRAVEEN KUMAR S K M.Sc., M.Phil., Ph.D.

Assistant Professor

ಪಾಲಿಟೆಕ್ನಿಕ್, ಧಾರವಾಡ-580 003

ಕರ್ನಾಟಕ, ಭಾರತ

Private Nagar, Dharwad-580 003
Karnataka, India

Ref. No. :

Date : 3/10/2021

Subject: Research collaboration Reg.

With reference to above cited subject, I, Dr. Praveen Kumar S. K., Assistant Professor, Protein Biology lab, Department of Biochemistry, Karnatak University Dharwad-03, delighted to declare the research collaboration with, Dr. Saraswati Masti, Associate Professor, Department of Chemistry, Karnataka Science College, Dharwad, from 2021-22 onwards. I strongly believe that the relationship sought is one of true collaboration, with the sole aim of carrying out the research work to greater extents in compliance with the mutual consent.

Sincerely,

Dr. Praveen Kumar S.K.
Assistant Professor,
Department of Biochemistry,
Karnatak University Dharwad-03.
Dr. PRAVEEN KUMAR S K
M.Sc., M.Phil., Ph.D
Assistant Professor
Department of Biochemistry
Karnatak University,
DHARWAD-580003

KARNATAK UNIVERSITY

Pavate Nagar, Dharwad-580003,
Karnataka, India



Accredited Grade 'A'
by NAAC

Prof. V. Shyam Kumar

D.Sc (China), Post DOC (SNU, Korea, QMUL, U.K)

Professor

Principal Investigator UKIERI, SERB, DBT, DST & UGC

Projects

Department of Biotechnology and Microbiology

Ph: 91-836-2215366

(R) 91-836-2770366

Fax: (O) 91-836-2747884

91-836-2771275

E-mail: voodashyam@kud.ac.in

To whomsoever it may concern

I am happy to state that I am collaborating with Dr. Saraswati Masti, Department of Chemistry, Karnatak Science College, Dharwad. Our lab has been collaborating with Dr. Saraswati Masti on various aspects of Polymer blend films for active food packing applications from 2019 till the present. Our collaboration has yielded publications in International Journal of Biological Macromolecules, Food Hydrocolloids and our collaboration is continuous and currently working on Smart biodegradable films.

Yours sincerely,

Dr. V. Shyam Kumar

Professor
Dept. of Biotechnology and Microbiology
Karnatak University, Dharwad-580 003

Department of Basic Science Department

From,

Dr. Deepak R. Kasai
Assistant Professor
Basic Science Department
Faculty of Engineering and Technology
Jain (Deemed-To-Be University), Jakkasandra,
Bangalore-562112

Subject: Research collaboration Reg.

With reference to the above mentioned subject, I am Dr. Deepak Kasai, assistant Professor Happy to declare that, Dr. Saraswati Masti, Associate Professor, Karnataka Science College, Dharwad, doing collaboration work from 2019 till the present with Faculty of Engineering and Technology, Jain (Deemed-To-Be University). Both the institutions using reasonable endeavours to carry out the research work to high standards and in accordance with the mutual agreement.

Sincerely



Dr. Deepak Kasai



MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL

(A constituent institution of MAHE, Manipal)

DEPARTMENT OF PHYSICS

21-09-2022

To whomsoever it may concern

This is to declare that our research group has been carrying out research collaboration with Dr. Saraswati P. Masti, Associate Professor, Department of Chemistry, Karnatak Science College, Dharwad - 580 001, India from 2019 onwards. The following research publications are resulted in the collaborations till now.

- 1) Ionic conductivity enhancement of PVA: Carboxymethyl cellulose poly-blend electrolyte films through the doping of NaI salt
Vipin Cyriac, Ismayil, I. M. Noor, Kuldeep Mishra, Chetan Chavan, Rajashekhar F. Bhajantri, Saraswati P. Masti
Cellulose 29 (2022) 3271–3291.
- 2) Dielectric relaxations and ion transport study of NaCMC:NaNO₃ solid polymer electrolyte films
Supriya K Shetty, Ismayil, Shreedatta Hegde, V Ravindrachary, Ganesh Sanjeev, Rajashekhar F Bhajantri, Saraswati P Masti
Ionics 27 (2021) 2509-2525.

Dr. Ismayil
Assistant Professor- Selection Grade
Department of Physics,
Manipal Institute of Technology,
Manipal Academy of Higher Education,
Manipal - 576 104, Karnataka, India
Mob: +91 98454 97546
E-Mail : ismayil.mit@manipal.edu

University with Potential for Excellence

KARNATAK



UNIVERSITY

Dr. Ravindra B. Chougale
Associate Professor
PG Department of Studies in Chemistry
Phone (off): 0836-2215286
chougaleravindra@yahoo.com

Pavate Nagar
Dharwad-580003
Karnataka, INDIA
Fax (off): 0836-2747884
Mobile No: + 91-9611287943

Dear Sir/Madam,

I, Dr. Ravindra B. Chougale, Associate Professor, Department of Chemistry, K U Dharwad, confirm my interest and collaboration of research work in polymer chemistry from 2019 till the present with Dr. Saraswati Masti, Associate Professor, Department of Chemistry, Karnatak, Science College (K U Constituent College), Dharwad, with us the last five years to carry out good quality research with our mutual understanding and agreement.

Yours sincerely,

DR. RAVINDRA CHOUGALE
ASSOCIATE PROFESSOR
DEPARTMENT OF CHEMISTRY
KARNATAK UNIVERSITY,
DHARWAD-580 033



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF PHYSICS

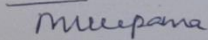


Phone: 0836-2215402
Fax : 0836-2744334

Website : www.kscd.ac.in

Date: 22-02-2023

I am Dr. (Smt.) Nirupama J.M., Assistant Professor of Physics, Karnatak Science College, Dharwad, worked on Research Project entitled "*Interaction of substituted chalcones with metal/semiconductor nanoparticles for their possible sensor applications*" in collaboration with Dr. Rajesh G. Kalkhambkar, Associate Professor of Chemistry, Karnatak Science College, Dharwad. The project was sanctioned by Karnatak University, Dharwad under University Research Seed Grant Policy for the academic year 2021-2022.


Dr. (Smt.) Nirupama J.M.