



YENEPOYA
(DEEMED TO BE UNIVERSITY)
Recognized under Sec 3(A) of the UGC Act 1956
Accredited by NAAC with 'A' Grade

Details of the Collaborative Activity

2020-21

Name of the Collaborating Institute: St Aloysius College (Autonomous), Mangalore, Karnataka, India.

Name of the Collaborating Department: Yenepeya Research Center; Department of MSW Yenepeya Medical College & Hospital.

Year of MoU: 2017

Student Training:

Field work training MSW students at Department of MSW

- 2020-21: 07 students

Joint Research Projects and Publications

1. Patavardhan SS, Awasthi K, Suresh S, Subba P, Najar MA, D'Souza L, Nivas SK, Prasad, TS K. Proteome dataset of chili pepper plant (*Capsicum frutescens*) infested by broad mite (*Polyphagotarsonemus latus*). *Data in Brief*. 2021: 36, 107095.
2. Patavardhan SS, Subba P, Najar A, Awasthi K, D'Souza L, Prasad TSK, Nivas SK, Plant-Pathogen Interactions: Broad Mite (*Polyphagotarsonemus latus*)-Induced Proteomic Changes in Chili Pepper Plant (*Capsicum frutescens*). *OMICS: A Journal of Integrative Biology*. 2020; 24(12):714-725.

ATTESTED

Dr. Gangadhara Somayaji K S
Registrar
Yenepeya (Deemed to be University)
University Road, Deralakatte
Mangalore 575 018, Karnataka.

ಸಂತ ಅಲೋಷಿಯಸ್ ಕಾಲೇಜು
(ಸ್ವಾಯತ್ತ)
ಮಂಗಳೂರು 575 003



ST ALOYSIUS COLLEGE
(AUTONOMOUS)
P.B. NO. 720
MANGALURU - 575 003, INDIA
Phone : +91 - 0824 - 2448701, 2448709
Fax : 0824-2448706
email : principal_sac@yahoo.com
website: www.staloyus.edu.in

Re-accredited by NAAC with A Grade - CGPA 3.62
Ranked 94 in College Category - 2018 Under NIRF, MHRD, Government of India.
Recognised by UGC as "College with Potential for Excellence"
College with 'STAR STATUS' conferred by DBT, Govt. of India.

Date: 17/02/2020

The Registrar
Yenepoya Medical College Hospital
Deralakatte

Dear Sir/Madam

**Sub: Request for Field Work Training for II MSW students for the
period of March 2021 - May 2021**

Greetings from St Aloysius College (Autonomous), Mangalore


We have been collaborating with various health organisations in Mangalore for the past few years in providing field training to our students in Medical & Psychiatric Social Work and we have always received positive support.

Field training is an integral part of Social Work education. In this regard we seek your permission in providing field training for *three* of our II MSW students for Field Work training for two days in a week (Thursday & Friday) for IV semester starts from March, 2021 to May, 2021. Their field Work begins from 4 March, 2021 (Thursday). They will abide by the rules and regulations of your institution during their training period.

Thank you for your support and guidance in our educational venture.

Thank You

Yours Sincerely

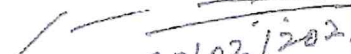

Rev. Dr Praveen Martis SJ
Principal



ATTESTED


Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore- 575 018, Karnataka

Submitted to the Registrar
The request may be considered. As this permission will be for one semester Rs 3000/- fee per student may be fixed.


22/02/2021
Dr. Mohammed Guthigar
HOD - MSW
Yenepoya (Deemed to be University)



YENEPOYA

(DEEMED TO BE UNIVERSITY)

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YU/REG/ACA/Field-work/2021

22.02.2021

Principal
St. Aloysius College (Autonomous)
Mangalore - 575003

Sir,

Sub: II MSW students for Field Work Training

Ref: Your Letter dated 12.12.2020

Yenepoya (Deemed to be University) is pleased to permit II year MSW students (IV Semester Medical and Psychiatric Social Work) of your college to undergo field work training at MSW Department, Yenepoya Medical College Hospital for two days in a week (Thursday, Fridays) from 4 March, 2021 to May, 2021.

The students will have to pay training fee @ Rs.3000/- per student. The amount should be paid at Yenepoya Accounts Section and receipt shown to HoD I/C, MSW.

The students may be intimated to the HoD I/C, MSW and shall report to the Medical Supdt., Yenepoya Medical College Hospital before starting the training and shall abide by the Hospital rules and regulations. Please instruct them accordingly.

Thanking you,

Yours faithfully,

[Signature]
REGISTRAR

Shr

Copy to:

1. Finance Officer
2. Medical Superintendent
3. Chief Operating Officer, YMCH

ATTESTED

[Signature]
Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore- 575 018, Karnataka



YENEPOYA MEDICAL COLLEGE HOSPITAL
(A CONSTITUENT COLLEGE OF YENEPOYA (DEEMED TO BE UNIVERSITY), Recognised under Sec 3 (A) of the UGC Act, 1956)
Accredited by NAAC with 'A' Grade

University Road, Deralakatte, Mangalore - 575 018. Ph. : 2204668 / 69 / 70, Fax : 0824 - 2202193



Certificate No. H - 2019 - 0518
March 31, 2019 - March 30, 2022

DEPARTMENT OF MSW

CERTIFICATE

This is to certify that **Ms. ANNA PRINCE** II year M.S.W student of St. Aloysius College (Autonomous), Mangalore was placed at our hospital for field work placement from 11.03.2021 to 01.04.2021 in Medical and Psychiatric setting. During this period she was mainly involved in:

- Studying the hospital- history and of functioning of various inpatient and outpatient departments.
- Information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

Her overall performance during the field placement period was found good.

09.10.2021

HOD

Department of MSW
Dr. Mohammed Guthigar
HOD - MSW
Yenepoya (Deemed to be University)

ATTESTED

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore - 575 018, Karnataka



DEPARTMENT OF MSW

CERTIFICATE

This is to certify that **Ms. SHARON CRASTA** II year M.S.W student of St. Aloysius College (Autonomous), Mangalore was placed at our hospital for field work placement from 15.09.2021 to 08.10.2021 in Medical and Psychiatric setting. During this period she was mainly involved in:

- Studying the hospital- history and of functioning of various inpatient and outpatient departments.
- Information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

Her overall performance during the field placement period was found good.

09.10.2021

HOD
Department of MSW
Dr. Mohammed Guthigar
HOD - MSW
Yenepoya (Deemed to be University)

ATTESTED

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya/Deemed to be University
University Road, Deralakatte
Mangalore- 575 018, Karnataka

DEPARTMENT OF MSW

CERTIFICATE

This is to certify that **Mr. ALBIN SHAJI** II year M.S.W student of St. Aloysius College (Autonomous), Mangalore was placed at our hospital for field work placement from 15.09.2021 to 08.10.2021 in Medical and Psychiatric setting. During this period he was mainly involved in:

- Studying the hospital- history and of functioning of various inpatient and outpatient departments.
- Information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

His overall performance during the field placement period was found good.

09.10.2021

HOD

Department of MSW
Dr. Mohammed Guthigar
HOD - MSW
Yenepoya (Deemed to be University)

ATTESTED

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
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Certificate No. - 2019-2018
March 31, 2019 - March 30, 2022

DEPARTMENT OF MSW

CERTIFICATE

This is to certify that **Ms. KARABI TAROH** II year M.S.W student of St. Aloysius College (Autonomous), Mangalore was placed at our hospital for field work placement from 15.09.2021 to 08.10.2021 in Medical and Psychiatric setting. During this period she was mainly involved in:

- Studying the hospital- history and of functioning of various inpatient and outpatient departments.
- Information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

Her overall performance during the field placement period was found good.

09.10.2021

HOD

Department of MSW
Dr. Mohammed Guthigar
HOD-MSW
Yenepoya (Deemed to be University)

ATTESTED

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Registrar
Yenepoya (Deemed to be University)
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Certificate No H-2019-0818
March 31, 2019 - March 30, 2022

DEPARTMENT OF MSW

CERTIFICATE

This is to certify that **Mr. JOBIN CHERIYAN** II year M.S.W student of St. Aloysius College (Autonomous), Mangalore was placed at our hospital for field work placement from 11.03.2021 to 01.04.2021 in Medical and Psychiatric setting. During this period he was mainly involved in:

- Studying the hospital- history and of functioning of various inpatient and outpatient departments.
- Information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

His overall performance during the field placement period was found good.

09.10.2021

HOD

Department of MSW
Dr. Mohammed Guthigar
HOD-MSW
Yenepoya (Deemed to be University)

ATTESTED

Dr. Gangadhara Somayaji K.S.
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Certificate No. H - 2019 - 0618
March 31, 2019 - March 30, 2022

DEPARTMENT OF MSW

CERTIFICATE

This is to certify that **Ms. MASTEENA MATHEW** II year M.S.W student of St. Aloysius College (Autonomous), Mangalore was placed at our hospital for field work placement from 11.03.2021 to 01.04.2021 in Medical and Psychiatric setting. During this period she was mainly involved in:

- Studying the hospital- history and of functioning of various inpatient and outpatient departments.
- Information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

Her overall performance during the field placement period was found good.

09.10.2021

HOD

Department of MSW
Dr. Mohammed Guthigar
HOD - MSW
Yenepoya (Deemed to be University)

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Certificate No. H - 2019 - 0618
March 31, 2019 - March 30, 2022

DEPARTMENT OF MSW


CERTIFICATE

This is to certify that **Mr. PRINCE SEBASTIAN** II year M.S.W student of St. Aloysius College (Autonomous), Mangalore was placed at our hospital for field work placement from 15.09.2021 to 08.10.2021 in Medical and Psychiatric setting. During this period he was mainly involved in:


- Studying the hospital- history and of functioning of various inpatient and outpatient departments.
- Information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
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- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

His overall performance during the field placement period was found good.

09.10.2021


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St Aloysius

Data Article

Proteome dataset of chili pepper plant (*Capsicum frutescens*) infested by broad mite (*Polyphagotarsonemus latus*)



Sachin S. Patavardhan^{a,c}, Kriti Awasthi^b, Suhasini Suresh^a,
Pratigya Subba^b, Mohd Altaf Najar^b, Leo D'Souza^a,
Shashi Kiran Nivas^{a,*}, Thottethodi Subrahmanya Keshava Prasad^{b,*}

^aLaboratory of Applied Biology, St Aloysius College (Autonomous), Mangalore, India

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Plant-pathogen interactions

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Broad mite

ABSTRACT

The dataset presented in this article is associated with the TMT (Tandem mass tag) labeled proteomics of chili pepper plant (*Capsicum frutescens*) infested by a broad mite (*Polyphagotarsonemus latus*). Data was captured using a nano liquid chromatography system coupled with high-resolution Orbitrap Fusion Tribrid mass spectrometer. Proteomics data was analyzed using the Proteome Discoverer version 2.4 tool using MASCOT and SequestHT algorithms. We have identified a total of 5,807 proteins supported by 48,555 unique peptides and 1,279,655 peptide-spectrum matches. Individually, 5,186 proteins were detected in healthy leaf samples, 5,193 in infested leaf sample, 5,194 proteins in healthy meristem sample, and 5,196 proteins in infested meristem samples. Datasets obtained from reciprocal blast against the *Arabidopsis thaliana* proteome database enabled the prediction of protein-protein interactions, and subcellular localization of differentially expressed proteins, which are also included in this article. Data presented in this article has been deposited in the ProteomeXchange Consortium via the PRIDE

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<https://doi.org/10.1016/j.dib.2021.107095>

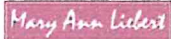
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le ATTESTED

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COVID-19 Information[Public health information \(CDC\)](#)[Research information \(NIH\)](#)[SARS-CoV-2 data \(NCBI\)](#)[Prevention and treatment information \(HHS\)](#)[Español](#)

FULL TEXT LINKS



OMICS. 2020 Dec;24(12):714-725. doi: 10.1089/omi.2020.0080. Epub 2020 Aug 11.

Plant-Pathogen Interactions: Broad Mite (*Polyphagotarsonemus latus*)-Induced Proteomic Changes in Chili Pepper Plant (*Capsicum frutescens*)

Sachin S Patavardhan^{1 2}, Pratigya Subba³, Altaf Najar³, Kriti Awasthi³, Leo D'Souza¹, Thottethodi Subrahmanya Keshava Prasad³, Shashi Kiran Nivas¹

Affiliations

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PMID: 32780627 DOI: 10.1089/omi.2020.0080

Abstract

Plant-pathogen interactions are key biological events that shape ecological dynamics, food production, agriculture and economy. In this context, *Capsicum frutescens* is an economically and culturally significant chili pepper plant grown widely across the globe as an essential ingredient of hot sauces, chili concentrates, oleoresin flavors, and also in traditional medicines. An important pathogen that limits chili cultivation causing low yield and economic loss is the broad mite, *Polyphagotarsonemus latus*. Broad mite-infested chili plants have stunted growth and leaves appear coppery and dark, which show symptoms of leaf curl and more importantly the smaller fruits unfit for consumption. The molecular mechanisms of how broad mite affect chili remain poorly understood. In this study, we report a tandem mass tag (TMT)-labeled mass spectrometry-based quantitative proteomic analysis of leaves and apical meristems of healthy and infected chili pepper plants. In total, we identified 5799 proteins, of which 1677 proteins were found to be differentially regulated in infested plants. Related signaling pathways of the differentially expressed proteins were examined using bioinformatics tools. Predominantly, we identified pathways associated with jasmonic acid synthesis, mitogen-activated protein kinase, and plant defense and hormone signal transduction. We also observed upregulation of several enzymes of the phenylpropanoid and carotenoid biosynthetic pathways. This study provides the first in-depth proteomic analysis that correlates broad mite infestation in chili and dysregulation of various pathways that take part in plant defense. In the future, data can be extrapolated for innovation in pest management methods whose ecological footprints are better understood.

Keywords: *Capsicum frutescens*; agriproteomics; broad mite; mass spectrometry; plant-pathogen interactions; proteomics.

ATTESTED



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