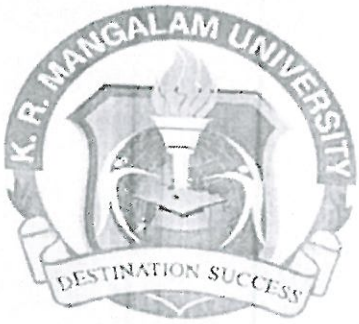
Crystal Growth System

(Course code: BSPH 852)

A

Report submitted in partial fulfillment of the requirement for the degree of

Master of Science in Physics



Submitted to:

Dr. Ruby Jindal
Dr. Rajni Gautam
Dr. Nidhi Gaur
Assistant Professor
SBAS-Physics

Submitted by:

Mr. Minser
Roll No. :1703590002
M.Sc. Physics

SCHOOL OF BASIC AND APPLIED SCIENCES
K. R. MANGALAM UNIVERSITY
SOHNA ROAD, GURGAON

May, 2019

DECLARATION

I, **Minser,** a bonafide student of M.Sc. Physics of K. R. Mangalam University, Gurgaon would like to declare that the dissertation entitled "**Crystal Growth system**" submitted by me in partial fulfillment of the requirement for the award of the degree of Master of Science in Physics, is my original work.

Place: Gurugram

Date: 04/06/2019

Minser
Mr. Minser
Roll No.:1703590002
M.Sc. Physics

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

STUDY OF CARBON NANOTUBES USING NANOHUB AND ITS APPLICATION AS BIOLOGICAL NANOMOTORS

Project report submitted

In partial fulfilment of the requirements of the degree of

Masters of Science

in

PHYSICS

By

CHANDERKANTA, 2103910003

Under the Supervision of

Dr. RAJNI GAUTAM

(Assistant Professor)

School of Basic & Applied Sciences

K.R. MANGALAM UNIVERSITY

GURUGRAM, HARYANA,INDIA

JUNE 20223

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

CERTIFICATE

It is certified that the work contained in the project report titled "**STUDY OF CARBON NANOTUBES USING NANOHUB AND ITS APPLICATION AS BIOLOGICAL NANOMOTORS.** "by the following students:

Name of the Student	Roll Number
CHANDERKANTA	2103910003

has been carried out under my/our supervision and that this work has not been submitted elsewhere for a degree.

(Supervisor Signature)

Dr. Rajni Gautam

Assistant Professor,

Department of Basic and Applied Sciences,

K.R. Mangalam University, Gurugram, Haryana, India

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

A

Report submitted in partial fulfilment of the requirement for the degree of

Master of Science

Submitted to:
Dr. Ruby Jindal
Assistant Professor
Physics

Submitted by:
Ms. Nikki Bhardwaj
Roll No.: 2103910004
M.Sc. Program

SCHOOL OF BASIC AND APPLIED SCIENCES
K. R. MANGALAM UNIVERSITY
SOHNA ROAD, GURGAON

CERTIFICATE

This is to certify that the dissertation entitled " **Ab initio study of the double perovskites Cs2GeCoCl6 for spintronics application**" is a Bonafide record of the work done by **Ms. Nikki Bhardwaj (Roll No. 2103910004)** student of M.Sc. Physics under the supervision of Dr. Ruby Jindal (K.R. Mangalam University) and Co-supervision of Dr. Alka Garg (Gargi College, DU) and submitted to K. R. Mangalam University in partial fulfilment for the award of the degree of Master of Science.

Date: June, 2023

Dean

Prof. (Dr.) Meena Bhandari
Dean, SBAS
K. R. Mangalam University
Sohna Road, Gurgaon

Supervisor

Dr. Ruby Jindal
Assistant Professor, SBAS
K. R. Mangalam University
Sohna Road, Gurgaon

Co-Supervisor

Dr. Alka Garg
Associate Professor
Gargi College, Delhi University

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

DECLARATION

I, **Nikki Bhardwaj,** a Bonafide student of M.Sc. Program of K. R. Mangalam University, Gurgaon would like to declare that the dissertation entitled " **Ab initio study of the double peroviskites Cs2GeCoCl6** " submitted by me in partial fulfilment of the requirement for the award of the degree of Master of Science is my original work.

Place: Sohna

Date: July, 2023

Ms. Nikki Bhardwaj
Roll No.: 2103910004
M.Sc. Program

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

Impact of Gate length and Temperature variation on VI characteristics of Carbon Nanotube FET

Project report submitted

In partial fulfilment of the requirements of the degree of

Master of Science

in

Physics

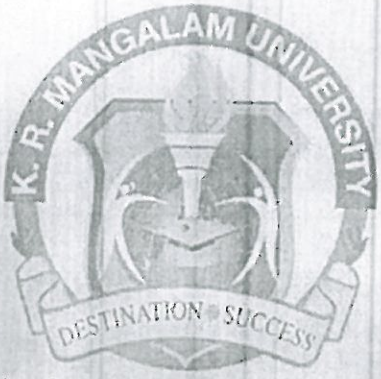
By

Sony, 2103910001

Under the supervision of

Dr. Rajni Gautam

(Assistant Professor)



School of Basic & Applied Sciences

K.R. MANGALAM UNIVERSITY

GURUGRAM, HARYANA,INDIA

July 2023

CERTIFICATE

It is certified that the work contained in the project report titled "**Impact of Gate length and Temperature variation on VI characteristics of Carbon Nanotube FET**" by the following student:

Sony
Name of the Student

Roll Number

2013910001

Sony

has been carried out under my/our supervision and that this work has not been submitted elsewhere for a degree.

(Supervisor Signature)

Dr. Rajni Gautam

Assistant Professor,
Department of Basic and Applied Sciences,
K.R. Mangalam University, Gurugram, Haryana, India

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION
(Est. Under the Govt. of Haryana private Universities Act No. 2006, under section 2f of the UGC Act, 1956)

CERTIFICATE

This is to certify that the dissertation entitled " **First principle study of the double perovskites Cs2GeNiCl6 for spintronics application**" is a Bonafide record of the work done by **Ms. Divya (Roll No. 2103910005)** student of M.Sc. Physics under the supervision of Dr. Ruby Jindal (K.R. Mangalam University) and Co-supervision of Dr. Alka Garg (Gargi College, DU) and submitted to K. R. Mangalam University in partial fulfilment for the award of the degree of Master of Science.

Date: June, 2023

Dean

Prof. (Dr.) Meena Bhandari
Dean, SBAS
K. R. Mangalam University
Sohna Road, Gurgaon

School of Basic & Applied Sciences (SBAS)
K.R. Mangalam University
Sohna Road, Gurugram
Haryana 122103

Supervisor

Dr. Ruby Jindal
Assistant Professor, SBAS
K. R. Mangalam University
Sohna Road, Gurgaon

Co-Supervisor

Dr. Alka Garg
Associate Professor
Gargi College, Delhi University

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

CERTIFICATE

It is certified that the work contained in the project report titled " First Principle Investigations Of Half-Metallicity In Cs2GeXCl6 (X= Co) "by the following students:

Name of the Student	Roll Number
Ms. Himani Yadav	2003590001

has been carried out under my/our supervision and that this work has not been submitted elsewhere for a degree.

(Supervisor Signature)

Dr. Ruby Jindal

Assistant Professor,

Department of Basic and Applied Sciences,

K.R. Mangalam University, Gurugram, Haryana, India

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)