

KARUNYA R.

PERSONAL PROFILE:

Name : Karunya R.
Gender : Female
Father's Name : Ramasamy A.
Date of Birth : 27-05-1990
Languages Known : Tamil, English
Nationality : Indian

CONTACT DETAILS

83, d-3 college house road,
Nagal Nagar,
Dindigul-624003

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CAREER OBJECTIVE

To seek a challenging career in a healthy and competitive environment with skilled and experienced people, where I can improve my learning and update my knowledge.

ACADEMIC DETAILS

Course	Institution	Board/University	Year of Passing	Percentage
M.Tech Nanoscience & Technology	A.C Tech Anna University Chennai	Anna University	2013	83
B.E Electronics and Communication	R.V.S College Of Engg & Tech, Dindigul	Anna University	2011	66
HSC(+2)	Annamalaiar Mills Girls HSS, Dindigul	State Board	2007	70
SSLC(10 th)	Annamalaiar Mills Girls HSS, Dindigul	State Board	2005	86

INDUSTRIAL EXPERIENCE

POSITION	PLACE	DURATION
Project Student	CSIR-SERC, CHENNAI	Dec 2012 to May 2013
Project Trainee	CSIR-SERC, CHENNAI	Nov 2013 – April 2015
Project Associate	IIT-Madras, Chennai	April 2016 still cont.

PROJECT WORKS UNDERTAKEN

- **“On Demand Location Estimation using Beacon Based Algorithm model using ns2”** under the guidance of Dr. Prabakaran during January-May 2011, at RVS College Of Engg & Tech, Dindigul
- **“Synthesis and Characterization of Cerium Oxide for sensor application”** under the guidance of Dr.T.Murugesan during June-November 2012, at CNST, Anna University, Chennai.
- **“Functions of CNT incorporated Cement composites during hydration”** under the guidance of Dr.Bhuvaneshwari & Dr. Nagesh Iyer during January2013, at CSIR-SERC, Taramani, Chennai.
- **“Comparative Studies of different Nano Composites in Cementitious Application”** is an ongoing project under the guidance of Dr. Hemalatha and Dr. Bhuvaneshwari, at CSIR-SERC, Taramani, Chennai.
- **“Development of opto-microfluidic system for health care diagnosis”** is an ongoing project under the guidance of Dr. Ashis kumar sen , at IIT-M, Chennai.

EXPOSURE

- **Synthesis Technique:**

Chemical and physical synthesis of nanomaterial involving sol-gel approach and also utilizing Ball milling apparatus.

- **Characterization :**

Exposure on sample preparation and techniques of handling in Particle Size

Analyzer, AFM, XRD ,TG-DTA and SEM Analysis

Pore Studies Using BET Analysis

- **Spectroscopy:**

Exposure on sample preparation for FTIR, X-Ray Spectroscopy and its data interpretation.

- **Computer skills:**

Mat lab, Orgin7.0, COMSOL , Material Studio and Visco Meter Auto Lab

- **Chip fabrication**

Micro Milling, MEMS lab

SEMINARS AND WORKSHOPS ATTENDED:

- Attended a National Workshop on ‘**Energy Nano Convergence-2012**’ at **Hindustan Institute of Technology and Science.**
- Attended a workshop on ‘**Engineering Principles In Nanotechnology**’ at **SSN College of Engineering & Quantum NanoScientific Pvt.Ltd.**
- Participated in the National Seminar on ‘**Indigenous Nanomaterials Development For Industrial Applications**’ at **CNST, Anna University**
- Participated in the ‘**Second International Workshop on Advanced Functional Nanomaterials (SIWAN-2013)**’ at **CNST, Anna University.**
- Presented a paper in the ‘**Third National Conference on Latest Advancements in Civil Engineering – LACE 2013**’ at **R.M.K. Engineering College.**
- Presented a poster about “**Nanobots**” in the **kurukshetra-2012** at Anna University, Chennai.
- Published a paper in “**The 4th International fib Congress**”, 2014 at Mumbai, the topic on “**Improving the performance of CSH by nano moieties**”.
- Presented a poster in “**5th Bangalore Nano Conference**”, 2012, the topic on “**Application of CNT-Nano Composites in Civil Engineering**”.
- Presented a poster in “**7th Bangalore Nano Conference**”, 2014, the topic on “**Molecular Dynamics Simulations on CSH**”.

- Attended “**Impact Course**” at British council, Chennai

PUBLICATION

- Published a paper in Current Science journal, the topic on “**Nano mechanical properties on the mineralogical array of calcium silicate hydrates and calcium hydroxide through molecular dynamics-CSIR-SERC**”.
- Published a paper in fibers journal, the topic on “**Hydration Phenomena of Functionalized Carbon Nanotubes (CNT)/Cement Composites**”.

AWARDS AND ACHIEVEMENTS:

- Participated in “multimedia” technical round at R.V.S Engineering college during 2 and 3 year of Engineering
- Won several Inter College level Prizes in Athletics

PERSONAL STRENGTHS:

- Highly Confident & motivated
- Self belief & Positive Attitude
- Good Team Player
- Possess good Leadership qualities

PERSONAL INTEREST:

- Organizing events in my locality
- Reading journals
- Exploring New Places, listening to Music.
- Public Speaking
- Solving Sudoku and crossword puzzles.
- Surfing the net

DECLARATION:

I do hereby confirm that the information furnished above is true to the best of my knowledge and belief.

Place: Chennai
Date: 2-1-2018