Post-Doc Supervised: Total (4)

1. Dr. Y M Thasneem, A designed endotoxin peptide anchored lipoplex vector: An insight to the synergistic interplay of co-lipid and targeting ligand for gene delivery through the neuronal receptor, DBT-RA Program in Biotechnology & Life Sciences, 2016-2017.
2. Dr. Shahila Parween, Low-Cost paper-based microfluidic device for early detection of Cancer, DSIR/SERB Funding for N-PDF, 2016-2017.
3. Dr. Saurabh K. Srivastava, Affordable and rapid paper-based SERS device for early tuberculosis detection, DSIR/SERB Funding for N-PDF, 2016-2018.
4. Dr. Shahila Parween, Paper-based fluidic device for Immunoassay from whole blood using a mobile camera and desktop scanner as a low-cost diagnostic tool, CSIR/ Nehru Science Postdoctoral fellowship, 2017-2019

Thesis Supervised: Masters (23)

1. Mr. Naveen Kumar, **Fabrication of biopolymer microfluidic platform towards ex-vivo cancer study**, 27-12-2018 to 09-05-2019.
2. Mr. Amit Dey, **Fabrication of PDMS microwells using foil assisted replica molding method to generate uniform 3D cell culture**, 27-12-2018 to 09-05-2019.
3. Ms. K. Yashodha, **Folic decorated, drug-loaded LBG reduced gold nanoparticles towards anticancer drug delivery**, 03-12-2018 to 31-05-2019.
4. Mr. Joseph Xavier, **Ribonucleic Acid Isolation on Paper for Point-of-Care Devices**, 18-07-2018 to 26-08-2019.
5. Mr. S. Venkata Rami Reddy, **Temperature-dependent differences in the secondary structures and their influence on the affinity of NS5A aptamers with NS5 protein of hepatitis C virus**, 13-05-2019 to 12-07-2019.
6. Ms. Jilu Jaffet, **Immobilizing aptamers on cellulose and developing a strategy for point-of-care (POC) devices**, 14-11-2018 to 25-04-2019.
7. Miss. Tasmai Paul, **Carboxy Methyl Cellulose (CMC) modified Paper for Aptamer conjugation and synthesis of gold nanoparticles using CMC as reducing agent**, 03-10-2018 to 22-03-2019.
8. Ms. Taruni Pala, **Low-temperature amplification using RPA**, 11-05-2018 to 03-08-2018.
9. Ms. T. Mounika, **Standardization of bioactive paper devices for blood typing**, 11-05-2018 to 03-08-2018.
10. Mr. B. Anvesh, **Optimization of conditions for the formulation of effective biopolymeric nanoparticles towards drug release**, 10-05-2018 to 10-07-2018.
11. Mr. Ruhban Ansar, **Fabrication & characterization of paper microfluidic devices using CCMB ink & its applications**, 09-01-2018 to 09-07-2018.
12. Mr. Vipul Patil, **Preparation of chitosan-alginate nanoparticles encapsulating curcumin for dental applications**, 05-01-2018 to 04-05-2018
13. Miss. Suchitra S. Bhosale, **Fabrication of paper microfluidic devices for blood typing**, 17-07-2017 to 16-04-2018.
14. Miss. Lavleen Bhati, **Paper-based viscometer and SERS devices**, 25-10-2017 to 23-02-2018
15. Ms. P. Debishree Subudhi, **Semi-quantitative total lipid profiling using the paper-based microfluidic device**, 15-05-2017 to 24-07-2017.
16. Ms. Divya Jain, **Effect of surface topography on mouse embryonic stem cells**, 16-05-2016 to 15-07-2016.
17. Ms. Khushboo Tyagi, **Fabrication of PLGA Hollow Nanoparticles for Therapeutic use using Single Emulsion Solvent Evaporation Method and Microfluidic Method**, 17-02-2016 to 15-07-2016.
18. Ms. Shivangi Paradkar, **Paper-based microfluidic devices for affordable clinical diagnosis**, 17-02-2016 to 15-07-2016.
19. Mr. Basu Bhattacharjee, **3D-Paper Microfluidic Device: Design Optimization & Fabrication for ABO-Typing Device**, 20-05-2015 to 20-07-2015
20. Ms. Manju Thomas, **Effect of nano-patterns on the neural precursor cell characteristics**, 01-01-2015 to 30-06-2015
21. Ms. Zeba Baqtiyar, **Barrier efficiency of wax printed paper-based devices against various biological fluids and reagent solutions**, 01-08-2013 to 31-01-2014.
22. Mr. Issac J. Michael, **Fabrication of paper-based devices using Screen Printing and its application in blood typing**, 04-01-2013 to 02-07-2013.
23. Ms. Geetika Dubey, Truly **single-step method fabricating paper-based devices and exploring its potential in blood typing, plasma separation, and ESR**, 24-09-2012 to 22-02-2013

UG Dissertation: Total 16 and Summer trainee 08 (list of Dissertation guided given below 13/24)

1. Mr. Yaswanth Reddy K, **Exploring Nanozyme Activity of Gold Nano Particles for HCV Diagnostics,** 10th of July to 10th of December 2019.
2. Ms. Rashveena Minhaz I, **Device for rapid extraction and storage of DNA from blood,** 3rd of December to 3rd of April 2019.
3. Mr. Jagadeesh M., **Stability analysis of lyophilized paper devices for performing reverse transcription**, 21st of December to 3rd of April 2019.
4. Ms. Hasitha Illa, **Visual detection of PCR products**, 1st January, to 20th May 2019.
5. Niyaz Ahmad Yatoo, **Step towards an affordable and safe DNA storage device/kit for wildlife forensic applications**, 25th Dec 2016 to 02-Apr 2017
6. Nibir Pathak, **Fabrication of Paper Microfluidic Devices using Permanent Marker Pen and its Application in Semi-Quantitative Estimation of Cholesterol Concentration,** July 2015 to December 2015.
7. Shweta Singh, **Fabrication of Micro-Wells using Various Fabrication Methods and its Applications in 3D Cell Culture,** July 2014 to December 2014.
8. Sai Santosh Sasank Peri, **Wax printed paper-microfluidic devices: design, fabrication, analysis and quantification of cholesterol,** January to June 2014.
9. Aditya J. V., **Cell Growth and Compatibility Studies in Microfluidic Devices,** December 2013 to March 2014.
10. Ms. V. Mounica, **Fabrication of paper microfluidic device for Blood - Plasma separation and Glucose estimation: A step towards the cheaper diagnostic device**, December 2011 to April 2012.
11. Rahul Sharma, Neeraj Saini, Vaibhav Chawla, Mohit Garg, **Development of fabrication facility for DNA and Phase display microarray: Design, fabrication and characterization of Manual Spotter and Scanner**, August 2006 to March 2006.
12. Jatinder Singh, B. Tech. (Biotech.), **Fabrication of DNA microarray for liver toxicity study,** August 2006 to March 2006.

    Hunny Sachdeva, **Fabrication and testing of a microfluidic device for estimation of total bilirubin concentration in blood,** August 2006 to March 2006.