

## Patents Filed

### Nano Technology (3)

1. “Novel method for producing Metal Nanodots”, Patent filed in India (2828/CHE/2009), Shivaraman Ramaswamy, and Gopalakrishnan. **Date of publication: 27.05.2011.**
2. “A nanocomposite and a device for the filtration of fluids comprising the said nanocomposite” (621/CHE/2011), C. Gopalakrishnan, N. Angeline Little Flower, N. Satya Vijaya Kumar, B. Brabu and Y. Tejabhiram. **Date of publication: 15.11.2012.**

### US Patent Published

3. “Method for producing Metal Nanodots”, Shivaraman Ramaswamy, and Gopalakrishnan, **Publication No. US 2011/0117387 AI dt. 19.05.2011**

### Biotechnology (5)

1. “Casino Phospho Peptides – A novel production method of CPP (Casein Phospho Peptides)” filed with DePenning & DePenning, (1304/CHE/2010).” Dr. Kantha Arunachalam & R.Balaji Raja.
2. “A novel surface functionalized mesoporous activated carbon for industrial applications and a process for the preparation thereof” No. 0673/DEL2011 Year: 2011. Dr.K.Ramani.
3. “A novel third phase electrode for electrocatalytic treatment of waste water”. No. 759/DEL2006 Year : **2006** , . Dr.K.Ramani.
4. “A novel hydrogel for bone tissue engineering applications “, No. 4114/CHE/2014, S. Dhivya, S. Vimalraj, S. Saravanan and N. Selvamurugan
5. “Application Biomaterial for bone tissue engineering”, No. 3794/CHE/2015, S. Saravanan and N. Selvamurugan’

### Food Processing (4)

1. “Development of the process for Amla salt candy from *Amla (Emblica officinalis Greath)* C. B.R.No: 12332, Application No: 4362/CHE/2011 on 14<sup>th</sup> Dec 2011”, Vice Chancellor, SRM University, G.Nagamaniammai, Asst. Prof (O.G), Dept. Food Process Engineering, SRM University and Dr. K. Ramasamy, Vice Chancellor, Karpagam University
2. “Development of the process for Amla Residue incorporated bread from *Amla (Emblica officinalis Greath)* C. B. R.No: 5, Application No: 1/CHE/2012 on 1<sup>st</sup> Jan 2012”, Vice

Chancellor, SRM University, G.Nagamaniammai, Asst. Prof (O.G), Dept. Food Process Engineering, SRM University and Dr. K. Ramasamy, Vice Chancellor, Karpagam University.

3. "A method of preparation of long life chhana jalebi and extension of shelf life by means of preservation, packaging and storage", 1704/CHE/2013 dated 17.04.2013, Ms.P.Geetha and Mr.R.Arivazhagan
4. "Development of the process for preparation of tamarind pulp powder using foam mat drying" Publication . No. 3628/CHE/2013 A Date: 06/09/2013 Inventor: Mrs. N. Manimehalai

### **Inter-disciplinary School of Indian System of Medicines (8)**

#### **US Patents Granted**

1. "Herbal formulation for the prevention and management of Type-2 diabetes mellitus and vascular complications associated with diabetes.US Patent No. 13/162,778 Date of Patent: 17.6'2011 .G.P.Dubey, Aruna Agarwal, Nirubama Dubey, Rajesh Dubey, Samathanam Mercy Deberah. **Published US2012/0148692A1, dt.14/7/2012, Granted US 8,337,911B2: 25-12- 2012**
2. "Herbal formulation advocated for the prevention and management of coronary heart disease. US Patent No. 13/206,306, dt.9-8-2011, G.P.Dubey, Aruna Agarwal, Nirubama Dubey, Shilpra Dubey, Rajesh Dubey, Samathanam Mercy Deberah. **Published: US2012/0034692A1, 14/7/2012. Granted: US 8,609,163,B2 -17.12.2013**

#### **US Patent published**

3. Role of an herbal formulation in the prevention and management of age related neurodegenerative disorders with special reference to senile dementia. Application . No.13/206,298 dt. 9-8-2011; Pub. N0.US 2012/0034324 A1. Pub. Date: Feb. 9, 2012. G.P.Dubey, Aruna Agarwal, Nirubama Dubey, Shilpra Dubey, Rajesh Dubey, Samathanam Mercy Deberah,
4. Plant Based formulation for the prevention and management of obesity and associated complications. Application No14/469,272 dt.26-8-2014. Pub. N0.US 2016/0058821A1. Pub. Date: Mar.3, 2016.. G.P.Dubey, Aruna Agarwal, Nirubama Dubey, Shilpra Dubey, Rajesh Dubey.
5. Plant based formulation for the prevention and management of metabolic syndrome by a herbal formulation through its adiponectin enhancing property. Application No. 14/468,

285 dt.25.8.2014 ; Pub.No.US 2016/0051617 A1. Pub.dare: Feb.25, 2016. G.P.Dubey, M.Ponnaivaikko, Aruna Agarwal, Nirubama Dubey, Shilpra Dubey.

### **Indian patents filed and published**

6. A novel herbal formulation for the prevention and management of type-2 diabetes mellitus and vascular complications associated with diabetes. Application No.1708/CHE/2010A. **Publication Date: 17/09/2010.** G.P.Dubey, Aruna Agarwal, Nirubama Dubey, Shilpra Dubey, Rajesh Dubey, S.Mercy Deberah

7. A novel herbal formulation advocated for the prevention and management of coronary heart disease. Application No.2270/CHE/2010A. **Publication Date: 24/09/2010.** G.P.Dubey, Aruna Agarwal, Nirubama Dubey, Shilpra Dubey, Rajesh Dubey, S'Mercy Deberah

8. Role of an herbal formulation in the prevention and management of age related neurodegenerative disorders with special reference to senile dementia. Application No.2271/CHE/2010A. **Publication Date: 24/09/2010.** G.P.Dubey, Aruna Agarwal, Nirubama Dubey, Shilpra Dubey, Rajesh Dubey, S.Mercy Deberah

### **Medical Research (1)**

1. A Novel composition for curing Endothelial Dysfunction in Diabetes”, (2771/CHE/2011), filed with Intepat IP Services, Dr.K.Sumitra.

### **Computer Science (2)**

1. “A System and Apparatus for safe Remote On-line tracing, shadowing, surveillance, Inter-communication, location, navigation, tagging, rescue, recovery and restitution of humans and stolen/missing chattels; and the method/s thereof” (1355/CHE/2011), B.Amutha and Dr.M.Ponnaivaikko.

2. “A system and method for searching desired web data over the world wide web”, No.201641019070 dt. 02.06.2016, Mangalagowri. RJansi. K.RGuru Prakash. SABhay Kumar Eshlok Sharma, SaiPrashant, Tilak Patidar, Computer Science and Engineering

### **Chemistry (6)**

1. “Development of PMMA based composite for gas sensing and anti-corrosion applications”, (2271/RQ-CHE/2011), Dr.P.Kamaraj and S.Devikala. **Publication Date (U/S 11A) 16/11/2012**

2. “Fabrication of Gas sensing device using PMMA and sodium potassium tartarate”, (2272/RQ-CHE/2011), Dr.P.Kamaraj and S.Devikala. **Publication Date (U/S 11A)16/11/2012**

3. "Development of thick film for sensing ethanol and acetone using PMMA and ammonium dihydrogen phosphate", (2273/RQ-CHE/2011), Dr.P.Kamaraj and S.Devikala. **Phosphatepublication Date (U/S 11A)26/10/2012**
4. "Variation in the interaction of aromatic compounds with single, double and triple helical DNA", (2391/CHE/2011), Dr.P.Kamaraj and S.Baby Gayathri
5. "Determination of DNA nanostructure interaction with various aromatic compounds", (2392/CHE/2011), Dr.P.Kamaraj and S.Baby Gayathri
6. "Preparation of efavirenz Nano Suspensions with enhanced solubility and dissolution rate", Dr. M. Arthanareeswari, APPLICATION NO. 201641001613 , **Publication Date25.3.2016.**

#### **SRM Research Institute, Bangalore (10)**

1. System and method for an influence based structural analysis of a University,1269/CHE/2010; 12/873,715;' Sridhar Varadarajan, Srividya Gopalan, and Preethy Iyer. **Published**
2. System and method for constructing a university model graph, 1809/CHE/2010 ; 12/945,582 Sridhar Varadarajan, Srividya Gopalan, and Preethy Iyer. **Published**
3. System and method for university model graph based visualization,1848/CHE/2010 ; 12/909,988, Sridhar Varadarajan, Srividya Gopalan, and Preethy Iyer. **Published**
4. System and method for personal healthcare analysis and distributable archive, 2710/CHE/2010, 12/977,224, Sridhar Varadarajan, Sridhar Gangadharpalli, Amit Thawani. **Published**
5. System and method for what-if analysis of a university based on university model graph, 3203/CHE/2010; 13/025,325, Sridhar Varadarajan, Srividya Gopalan, Preethy Iyer, and Amit Thawan. **Published**
6. System and method for comparing universities based on their university model graphs, 3492/CHE/2010; 13/025,355, Sridhar Varadarajan, Srividya Gopalan, and Preethy Iyer **Granted date :October 2013**
7. System and method for game state reduction ,3672/CHE/2010; 13/048,050, Sridhar Varadarajan and Amit Thawani. **Granted date :01.02.2013**
8. System And Method For Student Activity Gathering In A University, 3905/CHE/2011, Sridhar Varadarajan, Preethy Iyer, and Meera Divya Munipalli Venugopal. **Published**
9. "Activity and Interaction based Holistic Student Modeling in a University: ARIEL UNIVERSITY STUDENT Process Document", Sridhar Varadarajan, Preethy Iyer, Meera Divya MV, 01.09.2011. **Published**

10. System And Method For Generating Student Activity Flows In A University, 4157/CHE/2012, Sridhar Varadarajan, Preethy Iyer, and Meera Divya Munipalli Venugopal. **Published**

### **Genetic Engineering (1) :**

1. "An efficient method for the production of tobacco plants with very low nicotine content" No. 4111/CHE/2013 , D. Rex Arunraj and M. Parani

### **Biotechnology (S & H) (1):**

1. "Delivering live spirulina jelly as fish feed supplement: An eco-friendly integrated aquaculture approach", Appl. No. 2362/CHE/2014 dt. 12/05/2014., Jesu Arockiaraj

### **SRM Research Institute, Kattankulathur(4):**

1. "Microbial Fuel Cells", Appl. No.3508/CHE/2015, Kumar and S. Harinipriya
2. " A solar radiation absorbing layer for thin film solar cells with enhanced absorption and a method to manufacture the same", Appl. No.6642/CHE/2015 dt11/12/2015., P. Malar, Kunal J. Tiwari and S. Sivasangari.
3. "A single step process for the preparation of  $\text{Cu}_2\text{ZnSnSe}_4$  thin films", Appl. No. 6830/CHE/2015 dt 22/12/2015., P. Malar and Kunal J Tiwari.
4. "A Polymer pencil from recycled plastic", 4765/CHE/2016, Dr.Paromita Chakraborty and Mr.Elvis Dsouza

### **SRM College of Pharmacy(3)**

Patents filed and Published

1. "A Smart biopolymeric material from Arachis hypogea seeds for formulation of Amikacin loaded bioplates", 95/DEL/2008, **Published on 6<sup>th</sup> June 2008**, N. V. SatheeshMadhav and M. S. Uma Shankar
2. "A Novel biopolymeric smart stabilizer from Cocosnucifera meat kernel and its pharmaceutical applications", 2018/DEL/2007, **Published on 23rd May 2008**, N.V. SatheeshMadhav and M. S. Uma Shankar.
3. "Method and composition for solubilization of hydrophobic compounds", 1423/CHE/2011 A. **Publication Date: 14.06.2013**, Abimanyu. S

Students

1. " Keyboard for Computers", Design No. 268954, dt. 20.01.2015 , Pravin Kumar and Prashant Kumar

