**Research Publications**

1. Upasna Upadhyay., Maredupaka S., Lakshmi Kiran Chelluri et al., Bioengineered articular Cartilage organ-on-a-chip using microfluidics. NPJ Biomedical Innovations (2024): Under Revision
2. Upasna Upadhyay., Karthik v Chetan., Lakshmi Kiran Chelluri et al., Carilage tissue construct from human adipose derived mesenchymal stem cells on 3D printed PLA scaffold. Regenerative Engineering and Translational Medicine (2024): Under Revision.
3. Upadhyay, U.; Kolla, S.; Maredupaka, S.; Priya, S.; Srinivasulu, K.; Chelluri, L. K.. Development of an Alginate-Chitosan Biopolymer Composite with dECM Bioink Additive for Organ-On-a-Chip Articular Cartilage. Scientific Reports. 2024. *Sci Rep* **14**, 11765 (2024). https://doi.org/10.1038/s41598-024-62656-1
4. Upadhyay, U, Srinivasulu, K.; Chelluri, L. K. Standardizing Chondrocyte Isolation and Articular Cartilage Decellularization: A Versatile Bioink for Tissue Engineering Applications. Methods Mol. Biol. 2024 March 21. DOI: 10.1007/7651\_2024\_534
5. Upadhyay, U.; Kolla, S.; Chelluri, L. K. Extracellular Matrix Composition Analysis of Human Articular Cartilage for the Development of Organ-on-a-Chip. Biochem. Biophys. Res. Commun. 2023, 667, 81–88. DOI: 10.1016/j.bbrc.2023.04.117
6. Vangara, S.; Kedarisetty, C. K.; Mogili, K. R.; Chelluri, L. K.; Burra, N. G.; Latha, P. Comparative Study of Gut Microbiome Signatures in Cirrhotics and Their Healthy Donors Undergoing Living Donor Liver Transplantation. J. Clin. Exp. Hepatol. 2022, 12 (Suppl. 2), S49–50. DOI: 10.1016/j.jceh.2022.07.130
7. Joshi, L.; Chelluri, L.; Gaddam, S. Cytokine Production and Gene Polymorphisms of IFN- Gamma, IFN-gR1 and IL12. Polymorphism 2021, 6.
8. Chelluri, L. K.; Mohanram, Y.; Jain, R.; Mallarpu, C. S.; Ponnana, M.; Kumar, D.; Venuganti, V. V. K.; Ravindranath Kancherla, R. V. L. Papineni, Rheal Towner, Partha Ghosal. Effect of Engineered Superparamagnetic Iron Oxide Nanoparticles Intargeted Cardiac Precursor Cell Delivery by MRI. Biochem. Biophys. Res. Commun. 2021, 541, 15–21. [IF 2.985]
9. Mallarpu, C. S.; Ponnana, M.; Prasad, S.; Singarapu, M.; Kim, J.; Haririparsa, N.; Bratic, N.; Brar, H.; Chelluri, L. K.; Madiraju, C. Distinct Cell Death Markers Identified in Critical Care Patient Survivors Diagnosed with Sepsis. Immunol. Lett. 2021, 231, 1–10. [IF 3.276]. DOI: 10.1016/j.imlet.2020.12.009
10. Debnath, T.; Mallarpu, C. S.; Chelluri, L. K. Development of Bioengineered Organ Using Biological Acellular Rat Liver Scaffold and Hepatocytes. Organogenesis 2020; 1-12, 16 (2), [IF1.97]. DOI: 10.1080/15476278.2020.1742534
11. Debnath, T.; Ravindranath, K.; Mallarpu, C. S.; Mujawdiya, P.; Kapur, S.; Chelluri, L. K. Re-populated Natural Extracellular Matrix as a Functional Liver Graft for Organ Regeneration. J. Tissue Sci. Eng. 2020, 16 (2), 61–72.
12. Debnath, T.; Chelluri, L. K.; Kona, L. K.; Ratnakar, K. S. Evaluation and Assessment of Differentiation Potential of Human Adipose-Derived Stem Cells on Chitosan Hydrogel. Trends Biomater. Artif. Organs 2018, 32 (1), 62–67.
13. Debnath, T.; Chelluri, L. K. Standardisation and Quality Assessment for Clinical Grade Mesenchymal Stem Cells from Human Adipose Tissue. Braz. J. Hematol. Transfus. Med. Cell Ther. 2018. DOI: 10.1016/j.htct.2018.05.001
14. Chelluri, L. K.; Upadhyay, U.; Nallagonda, R.; Prasad, S.; Samiuddin, M.; Mohanty, R.; Mallarpu, C.; Ponnana, M.; Rawul, S.; Chelluri, E. P. Safety Study of Autologous Adult Bone Marrow Derived Mesenchymal Stromal Cells in Idiopathic Pulmonary Fibrosis - Pilot Data. New Horiz. Transl. Med. 2017, 4 (1–4), 15–22. DOI: 10.1016/j.nhtm.2017.10.002
15. Usha, S. P.; Vidyasagar, J. V. S.; Kona, L. K.; Ponnana, M.; Chelluri, L. K. In Vitro Allogeneic Immune Cell Response to Mesenchymal Stromal Cells Derived Fromhuman Adipose in Patients with Rheumatoid Arthritis. Cell. Immunol. 2017, IF2 (33). DOI: 10.1016/j.cellimm.2017.01.008
16. Jain, R.; Mohanram, Y.; Chelluri, L. K.; Kumar, D.; Smith, N.; Saunders, D.; Bhatnagar, S.; Venuganti, V. V.; Kancherla, R.; Kamaraju, R.; Papineni, R. V. L.; Towner, R. A.; Ghosal, P. A Modified Approach to Image Guided Cell Based Therapy for Cardiovascular Diseases Using Cardiac Precursor Nanoprobe – GloTrack. Nat. Protoc. Exch.. DOI: 10.1038/protex.2016.004
17. Joshi, L.; Ponnana, M.; Sivangala, R.; Chelluri, L. K.; Nallari, P.; Valluri, V. L.; Gaddam, S. Cytokine Production and mRNA Expression in Pulmonary Tuberculosis Patients and Their Household Contacts of Youngerage Group (15–25 Years). J. Immunol. Methods 2016, 432 (8), 65–71. DOI: 10.1016/j.jim.2016.02.012
18. Joshi, L.; Ponnana, M.; Sivangala, R.; Nallari, P.; Chelluri, L. K.; Penmetsa, S. Raju; Valluri, V.; Gaddam, S. Evaluation of TNF,IL- 10andIL-6cytokine Production and Theircorrelation with Genotype Variants Amongst Tuberculosis Patients and Their Household Contacts. PLOS ONE, IF3 (53). DOI: 10.1371/journal.pone.0137727
19. Pawar, S.; Reddy, S. R.; Chelluri, L. K. Chelluri EswaraPrasad Seroprevalence of Helicobacter pylori Infection in Patients of Tuberculosis: Analysis by ELISA, Western Blot, Indirect Immune Fluorescenceassay. Int. J. Curr. Microbiol. Appl. Sci., 2015.4(7): 330-338 [IF:2.0]
20. Usha, S. P.; Debnath, T.; Vidyasagar, J. V. S.; Kancherla, R.; Kamaraju, S. R.; Kona, L. K.; Chelluri, L. K. A Study on FoxP3 and Tregs in Paired Samples of Peripheral Blood and Synovium in Rheumatoid Arthritis. Cent. Eur. J. Immunol. 2015, 40 (4), 431–436.[IF:0.5]
21. Iyer, R. N.; Chelluri, E. P.; Chelluri, L. K. Role of Mesenchymal Stem Cell Based Therapies in MDR/XDR TB and Co-morbidities. J. Stem Cell Res. Ther. 2015; 5:284, 7633, 1000284.[2.68]. DOI: 10.4172/2157
22. TanyaDebnath, U.S. LakshmiKKona,VidyasagarJVS,SugunaRatnakarKamaraju, Sumanlatha Gaddam, Lakshmi Kiran Chelluri. Development of 3D Alginate Encapsulation for Better Chondrogenic Differentiation Potential than the 2D Pellet System. J. Stem Cell Res. Ther. 2015:5, IF3 (81), 276. DOI: 10.4172/2157-7633.1000276
23. Joshi, L.; Chelluri, L. K.; Gaddam, S. Mesenchymal Stromal Cell Therapy in MDR/XDR Tuberculosis: A Concise Review. Arch. Immunol. Ther. Exp. (Warsz) 2015, 63 (6), 427–433. DOI: 10.1007/s00005-015-0347-9
24. Verma, V. K.; Beevi, S. S.; Debnath, T.; Shalini, U.; Kamaraju, S. R.; Kona, L. Kumari; Mohanram, Y.; Chelluri, L. K. Signal Regulatory Protein Alpha (SIRPA) and Kinase Domain Receptor (KDR) Are Key Expression Markers in Cardiac Specific Precursor Selection from hADSCs. New Horiz. Transl. Med. 2015, 2, 93–101.
25. Debnath, T.; Ghosh, S.; Shalini, U. S.; Kona, L.; Kamaraju, S.R.; Sarkar, S.; Sumanlatha, G.; Chelluri, L. K. Proliferation and Differentiation Potential of Human Adipose-Derived Stem Cells Grown on Chitosan Hydrogel. PLOS ONE 2015, 10 (3), e0120803. DOI: 10.1371/journal.pone.0120803.[IF 3.53]
26. Verma, V. K.; Kamaraju, S. R.; Kancerla, R.; Kona, L. K.; Beevi, S. S.; Debanth, T.; Shalini, U.; Ram Mohan, V. S. V.; Arbab, A. S.; Chelluri, L. K. Fluorescent Magnetic Iron Oxide Nano-particles for Cardiac Precursor Cell Selection from Stromal Vascular Fractionand Optimization for Magnetic Resonance Imaging. Int. J. Nanomedicine 2015;10, IF4 (55), 711–726.
27. Tanya Debnath, U.S. Lakshmi K Kona,Vidyasagar JVS, Suguna Ratnakar Kamaraju, Sumanlatha Gaddam, Lakshmi Kiran Chelluri. Comparative Analysis of Chondrogenesis from Cartilage Tissue and Alginateen Capsulated Human Adipose Stem Cells. J. Arthrosc. Joint Surg. 2015. DOI: 10.1016/j.jajs.2015.06.00
28. Verma, V. K.; Beevi, S. S.; Tabassum, A.; Kumaresan, K.; Ratnakar, K. S.; Arbab, A. S.; Chelluri, L. K. In Vitro Assessment of Cytotoxicity and Labeling Efficiency of 99mTc- HMPAO with Stromal Vascular Fraction of Adipose Tissue. Nucl. Med. Biol. 2014, 41 (9), 744–748. [IF 2.56]. DOI: 10.1016/j.nucmedbio.2014.06.002
29. Garg, P.; Debnath, T.; Chelluri, L. K.; Hebalkar, N. Feasibility of Polymer Based Cell Encapsulation Using Electrostatic Layer by Layer Assembly. J. Biomater. Tissue Eng. 2012, 2 (3), 215–219. [IF:1.1]. DOI: 10.1166/jbt.2012.1050
30. Usha Shalini P, T.D.; Satish Vemuri, R.KS.,Lakshmi Kiran Chelluri.1082(G/A) single nucleotide polymorphism of the interleukin 10 promoter region as a potential biomarker in systemic lupus erythematosus (SLE) genetic susceptibility. The J. Clin. Rheumatol. Musculoskelet. Med. 2012, 3 (2), 1–4.
31. Beevi, S. S.; Chelluri, L. K. Understanding Niche- A New Paradigm in the Success of UCBT; LAP Publishers, 2013.
32. 30. Prasad, C. E.; Chelluri, L. K.; Pawar, S.; Reddy, S. R. Helicobacter pylori- Biology & Diseases. Book Chapter: Microbial Diversity; Explorating & Bioprospecting. In Publishers: Scientific Publishers. Reddy, S. R., Ed.., Girisham etal, 2012.
33. Chelluri, L. K. Stem Cells and Extracellular Matrices. Colloquium Series on Stem Cell Biology Deng, W., series Ed.; Morgan & Claypool Publishers 2012, 1 (1), 1–84. https://www.ncbi.nlm.nih.gov/nlmcatalog/101588675. DOI: 10.4199/C00053ED1V01Y201204SCB001
34. Chelluri, L. K.; Ravindranath, K.; Raju, T. N.; Vemuri, S.; Debnath, T.; Beevi, S.S.; Kumar, P.; Ratnakar, K. S. Improved Differentiation Protocol of Rat Bone Marrow.

precursors to functional islet like cells. Stem Cell Studies. 2011; Vol. (1):e5;36-41.

1. Alla Gopala Krishna Gokhale, Lakshmi Kiran Chelluri, Kumaresan K.,Subramanyam, G.; Sudhakar, K.; Vemuri, S.; Tanya Debnath, Ratnakar K. S. Evaluation of the ABM therapy and functional restoration in the scarred myocardium by imaging analysis- a case report .J. Cardiovascr .Dis. Res: 2011. , 2 (2), 133–136.
2. Chelluri, L. K.; Prasad, C. E.; Preethi, V.; Gokhale, A. G. K.; Vasantha, A.; Ratnakar, K. S.; Ravindranath, K. Tumor Necrosis Factor (Alpha) and Interferon-Gamma in Allogenic Mixed Culturesof Haematopoetic and Non-Haematopoeitic Cell-Cell Interactions; TB a Case Study. Internet J. Infect. Dis. 2010:8(1), IF-0 (15).
3. Koppula, P. R.; Chelluri, L. K.; Polisetti, N.; Vemuganti, G. K. Histocompatibility Testing of Cultivated Human Bone Marrow Stromal Cells – A Promising step Towards Pre-clinical Screening for Allogeneic Stem Cell Therapy. Cell. Immunol. 2009, 259 (1), 61–65.[IF-2.7]. DOI: 10.1016/j.cellimm.2009.05.014
4. Chelluri, L. K.; Ravindranath, K.; Raju, T. N.; Ratnakar, K. S.; Satish Vemuri, T.D. Differentiation and Characterisation of Marrow Derived Mesenchymal Stem Cells to Islet Like Cells. Cytotherapy 2009, 11;pp-21.[3.55].
5. Chelluri, L. K.; Adavi, V.; Subbaiah, G. P. V.; Vemuri, S.; Ratnakar, K. S. Isolation, Culture and Characterisation of Olfactory Ensheathing Cells. Cytotherapy 2009, 11;pp- 20.[3.55].
6. Nalla, N. K.; Prasad, C. E.; Gopalakrishniah, V.; Somayajulu, V. L.; Chelluri, L. K. Adenosine Deaminase Isoenzymes Estimation – As a Diagnostic Tool for Tuberculous Effusions. Asian Pac. J. Trop. Med., 2009: 2(5); Vol. IF-0 (50), pp 61–65.
7. Subbiah, G. P. V. S.; Adavi, V.; Chelluri, L. K.; Laxman, S.; Ratnakar, K. S.., PBNGopal. Ravindranath K. Preliminary Report on the Safety, Efficacy and Functional Recovery of Spinal Cord Injury with Autologous Bone Marrow Derived Mesenchymal Stem Cells – A Clinical Trial. Internet J. Spine Surg., 2009; Vol. 5 (1).
8. Chelluri, L. K.; Adavi, V.; Ratnakar, K. S. Single Centre Experience on the Impactof Ethnicity, Donor Status on the Renal Allograft Survival. Saudi J. Kidney Dis. Transplant. 2009, 20 (6), 995–997. [IF –0.83]
9. Chelluri, L. K.; Prasad, C. E.; Murthy, K. J. R.; Ratnakar, K. S. Tuberculosis Treatment – New Approach to an Old Problem. Asian Pac. J. Trop. Med., 2009; 2(1); Vol. IF-0 (50), pp 1–6.
10. Gupta, N.; Chelluri, L. K.; Adavi, V.; Ratnakar, K. S., Ravindranath RhAntigen Expression During Erythropoeisis: Comparison of Cordand Adult Derived CD34+Cells.Asian Journal of Transfusion Science. 2008; 2(2);69-80
11. Chelluri, L. K.; Adavi, V.; Subbaiah, G. P. V.; Ratnakar, K. S.; Ravindranath, K. Down Regulation of MHC-II Expression in Serial Passages of Bone Marrow Derived Stromal Cells for Cellbased Therapy. Curr. Trends Biotechnol. Pharm., 2008; Vol. 3 (1), pp 305–315.[IF-0.2]
12. Chelluri, L. K.; Ratnakar, K. S.; Ravindranath, K. Retrospective Analysis of T &B.

Flow cross matches in renal transplantation. Saudi J Kidney Dis Transpl 2008; 19:571-3. [IF-0.83]

1. 45.Harika K Reddy,Namita Gupta, Lakshmi Kiran Chelluri, Vasantha A, Ratnakar KS, Ravindranath K. Reversal of PCR Inhibition by BSA. Inclinical diagnostics. ICFAI Journal of Science &Technology:2008; 4, (1);7-16.
2. 46. Kaparthi, P. L. N.; Gupta, N.; Chelluri, L. K.; Adavi, V.; Surya Prakash Rao, V.; Ratnakar, K. S.; Ravindranath, K. Autologous Bone Marrow Mononuclear Cell Delivery to Dilated Cardiomyopathy Patients: A Clinical Trial. Afr. J. Biotechnol., 2008; 7(3); Vol. IF-0 (63), pp 207–210.
3. 47. Chelluri, L. K.; Ratnakar, K. S.; Gupta, N.; Vasantha, A.Immune Activation Markers in Cadaver Limbal Tissue and Ex-Vivo Expanded Limbal Epithelium. Bahrain Med. Bull., 2007; 29(4); Vol. IF-0 (03), pp 119–122.
4. 48. Murthy, K. J. R.; Lakshmi Kiran, A.; Yazdani, A. Use of Oral Salbutamol in Improving Quality Sputum Microscopy in the DOTS Strategy. Int. J. Tuberc. Lung Dis. 2000, 4 (12), 1191–1192. [IF2.73]
5. 49. Lakshmi Kiran, A.; Murthy, K. J. R. Magnitude of the Problem. Monograph – update on tuberculosis and diabetes mellitus. International Journal of Diabetes in Developing Countries; Vol. IF-0 (28), 1999; 19, pp 49–51.

# **NATIONAL**

1. Sailaja Kesiraju, Lakshmi Kiran Chelluri, Sumanlatha Gaddam, Vijayalakshmi Valluri, Sahariah Sarbeswar. Assessment of renal function and acute rejection using Cystatin C and Kidney injury molecule-1 in renal transplant recipients. Indian Journal of Transplantation. 2018; 12 (1);53-58.
2. Eswara Prasad Chelluri., Lakshmi Kiran Chelluri., Subhash Pawar., Tanya Debnath., S.Ram Reddy. Il-10 polymorphisms in inflammatory and infectious respiratory diseases with sero- positive H.pylori. Indian Journal of Research & Reports in Medical Sciences. 2013:3(4);5-10
3. Lakshmi Kiran Chelluri. Stem Cells and Tuberculosis: Letter to the Editor, Indian Journal of Tuberculosis.2012; 59; 177. (IF-0.7)
4. Lakshm iKiran Chelluri.Ratnakar KS. Cell delivery by nano carriers in regenerative medicine. Manual on Regenerative Medicine. Meenakshi Medical College & Research Institute. Kancheepuram.2008 March; 23-28.
5. A. Yazdani, Lakshmi Kiran A., Murthy KJR. Sputum induction by oral salbutamol. Indian Journalof Tuberculosis .2002, 49, 221-223.[IF-0.6]
6. SumanlathaG.,LakshmiKiranA.,VijayalakshmiV.,SurekhaRaniH.,MurthyKJR.Immunoblot response in patients allergic to gynandropsis gynandra. Indian Journal of Allergy and Applied Immunology, 2000, Jul-Dec; 14(2);53-9
7. Lakshmi Kiran A., Sahariah S., Murthy KJR.A critical study on histocompatibility testing by serology, MLR, genotyping in renal transplantation- a single centre experience. Nephron 2000,

84(1); 79-80[IF-2.16]

1. Sumanlatha G., Vijayalakshmi V., Lakshmi Kiran A., Surekha Rani H., Nagalakshmi Y., Murthy KJR .Late phase cutaneous reaction as a parameter to evaluate immunotherapy. Lung India 2000, 17 (4); 112-114.[IF-0.86]
2. LakshmiKiranA.,VijayalakshmiV.,SahariahS.,ReddyPP.,NagalakshmiY.,MurthyKJ R. Relevance of histocompatibility testing in renal transplantation – A prospective study. Indian Journal of Nephrology, 1999; 74-79.[IF-0.45]
3. Lakshmi Kiran A., Sahariah S. Spousal renal transplantation. Indian Journal of Nephrology.1999;9(2); pp.53[IF-0.45]

15 Lakshmi Kiran A., Vijayalakshmi V., Sumanlatha G., Usha Sharma P, Prasad CE and Murthy KJR. Serum immunoglobulin – G Aspergillus fumigates as a diagnostic parameter for Allergic broncho-pulmonary Aspergillus - A Preliminary Report. Lung India (1998), XVI, No 1(p-17- 20)[IF-0.22]

1. Surekha Rani H., Vijayalakshmi V., Sunil Kumar, Lakshmi Kiran A., Sumanlatha G., Murthy KJR.Cell mediated immunity in children with scar- failure following BCG vaccination. Indian Paediatrics, 1998, Vol 35,123-127 [IF-0.9]
2. Lakshmi Kiran A., Vijayalakshmi V., Sahariah S., Reddy PP., Murthy KJR. The influence of pre- transplant blood transfusion on renal graft survival. Indian Journal of Nephrology, 1998, Vol 8.no1: 7-11[IF-0.45]
3. ViajyalakshmiV.,Lakshmi Kiran A.,SurekhaRaniH.,NagalakshmiY.,MurthyKJR. Late phase cutaneous reaction as a parameter to evaluate immunotherapy. Lung India, 1997;17 (4);112-114
4. Lakshmi Kiran A., Vijayalakshmi V., Sahariah S., Murhty KJR. Cross-matching consideration forrenal transplantation. Journal of the Association of Physicians of India, 1996, 44,521-524[IF-0.59]
5. Vijayalakshmi V., Murthy KJR. Sunil Kumar, Lakshmi Kiran A. Comparison of immune responses of children vaccinated with three strains of BCG Vaccine. Indian Paediatrics 1994, 32; 979- 982.[IF-0.9]
6. Vijayalakshmi V., Sunil Kumar, Lakshmi Kiran A., Surekha Rani H., Murthy KJR. Optimum age of a child for BCG Vaccination. Indian Paediatrics, 1994, Vol 31,1497-1501.[IF-0.9]

**SUPPLEMENTARY ARTICLES**

# **International**

1. Chandrasekhar Mallarpu., Meenakshi Ponnana., Sudhir Prasad., Lakshmi kiran Chelluri et al., Prognostic value of autophagy markers in sepsis-a clinical report, The

Journal of Immunology; 2020; Suppl 1; 225;pp 22.

1. Charitha Madiraju, Chandra Shekar Mallarpu, Sudhir Prasad, ManeendraSingarapu,MeenakshiPonnana,TanyaDebnath,JeanKim,NedaHaririparsa,NemanjaBratic,Harvi nder Brar,LakshmiKiran Chelluri. Distinct cell death mechanisms in critical care patients diagnosedwith sepsis. Critical Care Medicine, 2019, 47 (1),769.
2. Bollapally K., Sudhir Prasad., Lakshmi Kiran Chelluri et al., A review on pearls and pitfalls of autologous MSC’s in ESLD; longitudinal assessment of health related complications. Value of health;2019;22;S47.
3. Charitha Madiraju, Chandra Shekar Mallarpu, Sudhir Prasad, Maneendra Singarapu,J ea nH. Kim, Neda Haririparsa, Nemanja Bratic, Harvinder Brar, John R. Cashman and Lakshmi Kiran Chelluri. Cell death markers in sepsis. J Immunol, 2018, 200 (1 Suppl.)166.33.
4. Subash P., Ram Reddy S., Lakshmi Kiran Chelluri., Eswara Prasad Chelluri. Detection of Helicobacter pylori infection in patients with obstructive airway diseases with sero techniques using highly specific IgG antibodies for Helicobacter pylori antigen. Asian Pacific Journal of Tropical Disease. 2014; 4(Suppl): S366- S372. [IF 2.29]
5. Beevi SS., VK Verma., LK Chelluri., K Lakshmi., T Debnath., PU Shalini., R Kancherla., R.Kamaraju. Dual Labeling Strategy of SPION for optical & MRI imaging of stem cell trafficking. Cytotherapy, 2013; 15(4): Suppl.Pg.S48. [IF3.8]
6. T Debnath., LK Chelluri., SS Beevi., VK Verma., PU Shalini., K Lakshmi., K S Ratnakar., K Ravindranath. An approach towards the proliferation and differentiation of stem cells onChitosan based soluble polymer. Cytotherapy, 2013; 15(4): Suppl.Pg.S43. [IF3.8]
7. Lakshmi Kiran A., Vijayalakshmi V., Sahariah S., Reddy PP., Murthy KJR Histocompatibility testing by serology, cellular and genotyping in renal transplantation. The Immunologist, 1998, Supplement 1.pp.214 [IF – 3.28]

**Patents filed: (Indian patent)**

Process Patent **application no.202441024951**.

**Title of the invention: Microfluidics based for the development of articular cartilage tissue construct organ-on-a-chip method.**