



Curriculum vitae

Experience

Member **Jan 2018-Till date**
Ceramics and Biomaterials Research Group, Advanced
Institute of Biomaterials Science, Ton Duc Thang University
(TDTU), Ho Chi Minh City, Vietnam

Research Assistant **Nov 2013-Till date**
Graduate Institute of Biomedical Materials & Tissue
Engineering, College of Biomedical Engineering, Taipei
Medical University (TMU), Taiwan

Assistant Professor **Aug 2010-Aug 2013**
Institute of Engineering & Technology, NIMS University,
Jaipur, Rajasthan, India

Assistant Professor **Jan 2010-Jun 2010**
Department of Biotechnology, Dr. B.R. Ambedkar National
Institute of Technology (NIT) Jalandhar, India

Lecturer **Jul 2009-Dec. 2009**
Department of Biotechnology, Dr. B.R. Ambedkar National
Institute of Technology (NIT) Jalandhar, India

Profile

Name

Navneet Kumar Dubey

Phone

Email

My homepage

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RESEARCH INTERESTS

Osteoarthritis,
Cartilage Regeneration,
Biomaterials
Stem cell Biology
Tissue Engineering
Diabetes
Epidemiology

Academic studies & career

Ph.D. **(Ongoing since 2013)**
Graduate Institute of Biomedical Materials & Tissue Engineering,
College of Biomedical Engineering, Taipei Medical University
(TMU), Taiwan

M. Tech. **(2007-09)**
Department of Biotechnology & Medical Engineering, National
Institute of Technology (NIT), Rourkela, India

M.Sc. **(2004-06)**
Department of Biotechnology, Himachal Pradesh University
(HPU), Shimla, India

B.Sc. **(2001-04)**
Department of Life Science, Aurora Degree College, Osmania
University (OU), Hyderabad, India

Membership of Professional Societies

- Taiwan Society for Stem Cell Research (TSSCR, Membership no. S103-2)
- Stem Cell Society, Singapore (SCSS, Membership no. 7381)
- Tissue Engineering and Regenerative Medicine International Society (TERMIS, Membership no.11845), USA
- Taiwan Association for Cell Therapy (TACT, Membership no. B0018)
- The Diabetes Association of Republic of China (Taiwan) (Membership No. 1725)
- Taiwan Society of Laboratory Medicine (Membership No. S0355)
- Taiwan Society of Molecular Imaging (TSMI)
- Taiwan Society of Herbal Development
- Association for Development of Teaching, Education and Learning (ADTEL) (Membership No. ADTEL-M16133)

Honours & Awards

- **Kishimoto Travel Award 2017 (Japan)** by International cytokines and Interferon Society
- **Stem Cell Society Symposium (SCSS), Singapore** Travel fellowship 2016.
- Taipei Medical University (TMU) International scholarship for PhD program 2013-till date).
- Qualified one-semester online course on “Global health informatics to improve the quality of care” in collaboration with Sana, Massachusetts Institute of Technology (MIT) and College of Medical Science and Technology, **Taipei Medical University**, Taiwan.
- **Human Resource & Development scholarship (MHRD) scholarship** during M.Tech. program in Biotechnology & Medical Engineering at National Institute of Technology, Rourkela, India
- **Department of Biotechnology (DBT)-Government of India scholarship** during M.Sc. program at Himachal Pradesh University, Shimla, India.
- Runner prize for **creative writing in Hindi** conducted by Aurora Degree College (Osmania University), Hyderabad, India.

Leadership & Organizing

- **General Secretary** of Dhirubhai Ambani Hall of Residence at National Institute of Technology (NIT) Rourkela, India (2007 – 2008)
- **Coordinator** of Microsoft sponsored confluence-2008 at National Institute of Technology, (NIT) Rourkela, India (2007 – 2008)
- Literary & cultural secretary of NIT Rourkela, India (2008 – 2009)

PhD thesis title

- Treatment efficacy of adipose-derived stem cells in diabetic osteoarthritis

Journal Publications

Research Articles

(Submitted)

Navneet Kumar Dubey, Hong-Jian Wei, Sung-Hsun Yu, David F. Williams, Joseph R. Wang, Yue-Hua Deng, Feng-Chou Tsai, Peter D. Wang, Win-Ping Deng. Glycation Inhibitory Actions of Adipose-derived Stem Cells Ameliorates Progressive Development of Diabetic Osteoarthritis (**Biomaterials**, **IF 8.402**, **Journal ranking 2.6%**, **manuscript no. jbmt42677**)

(Published)

- Bou-Yue Peng, Chi-Sheng Chiou, **Navneet Kumar Dubey**, Sung-Hsun Yu, Yue-Hua Deng, Feng-Chou Tsai, Han-Sun Chiang, Wei-Hong Chen, Win-Ping Deng. Tracking of Intra-articularly Transplanted Immortalized Bone Marrow Stem Cells for Osteoarthritis Treatment through Non-invasive Molecular Imaging (**Oncotarget 2017, IF 5.168, Journal ranking 23%**)
- Meng-Huang Wu, Ming-Hung Shih, Wei-Bin Hsu, **Navneet Kumar Dubey**, Wen-Fu Lee, Tsai-Yu Lin, Meng-Yow Hsieh, Chin-Fu Chen, Kuo-Ti Peng, Tsung-Jen Huang, Chung-Sheng Shi, Ren-Shyang Guo, Chang-Jhih Cai, Chiu-Yen Chung, Chung-Hang Wong. Evaluation of a Novel Biodegradable Thermosensitive Keto-Hydrogel for Improving Postoperative Pain in a Rat Model (**PLoS ONE 2017, IF 2.806, Journal ranking 23.4%**)
- Ming-Che Liu, Wei-Hong Chen, Chi-Sheng Chiou, Wen-Cheng Lo, **Navneet Kumar Dubey**, Yu-Chin Chen, Wen-Fu T. Lai, Shauh-Der Yeh, Han-Sun Chiang, Win-Ping Deng. Inhibition of chronic prostate inflammation by hyaluronic acid through an immortalized human prostate stromal cell line model (**PLoS ONE 2017, IF 2.806, Journal ranking 23.4%**).
- Meng-Huang Wu, **Navneet Kumar Dubey**, Yen-Yao Li, Ching-Yu Lee, Chin-Chang Cheng, Chung-Sheng Shi, Tsung-Jen Huang. Comparison of Minimally Invasive Spine Surgery Using Intraoperative Computed Tomography Integrated Navigation, Fluoroscopy and Conventional Open Surgery for Lumbar Spondylolisthesis: A Prospective Registry-based Cohort Study (**The Spine Journal 2017, IF 2.962, Journal ranking 13.2%**).
- Sung-Hsun Yu, **Navneet Kumar Dubey**, Wei-Shan Li, Ming-Che Liu, Han-Sun Chiang, Sy-Jye Leu, Ying-Hua Shieh, Feng-Chou Tsai, Win-Ping Deng. Cordyceps militaris treatment preserves renal function in type 2 diabetic nephropathy mice (**PLoS ONE 2017, IF 2.806, Journal ranking 23.4%**).
- Meng-Huang Wu, **Navneet Kumar Dubey**, Ching-Yu Lee, Yen-Yao Li, Chin-Chang Cheng, Chung-Sheng Shi, and Tsung-Jen Huang. Application of Intraoperative CT-Guided Navigation in Simultaneous Minimally Invasive Anterior and Posterior Surgery for Infectious Spondylitis (**Biomed Research International 2016, IF 2.476, Journal ranking 41.9%**).
- **Navneet Kumar Dubey**, Shabbir Syed-Abdul, Phung Anh Ngyuen, Rajni Dubey, Usman Iqbal, Yu-Chaun Li, Wei-Hong Chen, Win-Ping Deng. Association between anxiety state and mitral valve disorders: A Taiwanese population-wide observational study (**Computer Methods and Programs in Biomedicine 2016, IF 2.503, Journal ranking 20.2%**).
- Chen WH, Lin CM, Huang CF, Hsu WC, Lee CH, Ou KL, **Dubey NK**, Deng WP. Functional Recovery in Osteoarthritic Chondrocytes through Hyaluronic Acid and Platelet-Rich Plasma-Inhibited Infrapatellar Fat Pad-Adipocytes (**American Journal of Sports Medicine, 2016, I.F. 5.673 Journal ranking 1.3%**).
- Sung-Hsun Yu, Szu-Yu Tina Chen, Wei-Shan Li, **Navneet Kumar Dubey**, Wei-Hong Chen, Jiunn-Jye Chuu, Sy-Jye Leu, Win-Ping Deng. Hypoglycemic Activity through a Novel Combination of Fruiting Body and Mycelia of Cordyceps militaris in High-fat Diet-Induced Type 2 Diabetes Mellitus Mice. **Journal of Diabetes Research**, vol. 2015, Article ID 723190, 10 pages, 2015 (**I.F. 2.717, Journal ranking 43.0%**).

Review articles

Submitted

- **Navneet Kumar Dubey**, Viraj Krishna Mishra, Rajni Dubey, Win-Ping Deng. Addressing stem cells therapeutic approaches in pathobiology of diabetes and its complications (**Stem Cell International 2017, IF 3.540, Journal ranking 47.6%**)

Published

- Rajni Kumari, **Navneet Kumar Dubey**, Krishna Pramanik: Bioethanol: The liquid gold of the tomorrow from lignocellulosic wastes, Journal of Environmental Research and Development (JERAD), Vol. 3, No.3, pp. 922-927 (2009) **I.F. 4.301**.
- Rajni Kumari, **Navneet Kumar Dubey**, Krishna Pramanik: Development of genetically modified microbial strains for enhanced bioethanol production from agricultural wastes, Book chapter in “Socio-Economic Development–Challenges before Women Scientists, Technologists & Engineers”, 2009, (ISBN #978-93-80043-03-6). pp. 109-114 (2008).
- Md. Mohaimenul Islam, Usman Iqbal, Bruno Walther, Suleman Atique, **Navneet Kumar Dubey**, Phung-Anh Nguyen, Tahmina Nasrin Poly, Jakir Hossain Bhuiyan Masud, Yu-Chuan (Jack) Li; Syed-Abdul Shabbir. Benzodiazepine Use and Risk of Dementia in the Elderly Population: A Systematic Review and Meta-analysis (**Neuroepidemiology 2016, I.F. 2.886, Journal ranking 21.6%**).

Conference papers:

Published (Abstract)

- Corroboration of osteoarthritis in diabetic mice model [**Cytokines 2017 (IF 3.488, Journal ranking 33.4%), Oct 29-Nov. 2, Kanazawa, Japan**]
- Analysis of type 1 diabetes-induced malformations in articular cartilage and subchondral bone of mice [Tissue Engineering & Regenerative Medicine International Society, Asia pacific 2016 (**TERMIS-AP 2016 Taipei, Taiwan**)].
- Evaluation of Thermosensitive Keto-hydrogel for Postoperative Pain Control in a Rat Model at **Orthopedic Research Society (ORS) 2017 Annual meeting at San Deigo, California**.

Book chapters

- Chapter plan submitted for chapter entitled “Polymeric gels for articular cartilage tissue engineering” in the Book: Polymeric gels Characterization, Properties and Biomedical Application” (Under pre-production, **Elsevier publication, 2017**).
- Chapter protocol on “Assessment of Stem Cell potential in Senescence-accelerated aging Mouse” (To be submitted in Methods in Molecular Biology, **Nature-Springer publication, 2017**).

Newspaper articles:

- मोहब्बत, लाल गुलाब और वैज्ञानिक नजरिया (English translation: Love, red rose and scientific eye) published in Dainik Jagran, New Delhi 3rd March, 2014.

References:

Dr. Win-Ping Deng, (PhD Supervisor)
Distinguished University Professor,
Vice Dean, College of Oral Medicine,
Director, Stem Cell Research Center,
Taipei Medical University
Chair Professor, Fu Jen Catholic University
Editor, Biomaterials (IF=8.402)
Trustee, National Development Fund, Executive Yuan
General Secretary, Taiwanese Society for Molecular
Imaging (TSMI), 250, Wu-Xing Street, Taipei, Taiwan 110
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Declaration

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the particulars.

24th December, 2017

Navneet Kumar Dubey