

Dr. PRAKASH KUMAR
Date of Birth: 1980-01-11

AMITY INSTITUTE OF OCCUPATIONAL THERAPY
AMITY UNIVERSITY, NOIDA; UP, INDIA
t: +91 (0120) 4735693, m: +91- 9868568619
e: pkumar31@amity.edu, kumarpr@tcd.ie



INSTITUTE/UNIVERSITY	COURSE	YEAR (S)
School of Medicine, Trinity College Dublin, Ireland	MSc (Medical Gerontology) (2016-2018)	2018
Department of Geriatric Mental Health, King George's Medical University (KGMU), UP, IN	PhD (2010-2016)	2017
Department of Rehabilitation Sciences Jamia Hamdard, New Delhi, IN	Master of Occupational Therapy (Orthopaedics) (2006-2008)	2008
Pt. Deendayal Upadhyaya National Institute for the Physically Handicapped, University of Delhi, New Delhi, IN	Bachelor of Occupational Therapy (4½ year) (2001-2006)	2006

PROFESSIONAL EXPERIENCE

2019-Present	<i>Assistant Professor-III</i> , Amity Institute of Occupational Therapy, Amity University, Noida <u>Responsibilities:</u> Teaching graduate, Post Graduate and Doctorate students,
2017-2018	<i>Senior Research Officers</i> , Department of Geriatric Medicine, AIIMS, New Delhi, NPHCE Research Project, Ministry of Health and Family Welfare, GOI <u>Responsibilities:</u> Designed, development and implementation of a research project
2016-2017	<i>Post-Doc Research Fellow</i> , The Irish Longitudinal Study on Ageing (TILDA), Trinity College Dublin, The University of Dublin, Ireland <u>Responsibilities:</u> Grants writing, large dataset analysis & harmonization, Mentor occupational therapy student, Review and research article writing
2015-2016	<i>Research Officers</i> , Pt. Deendayal Upadhyaya National Institute for the Persons With Physical Disabilities, New Delhi <u>Responsibilities:</u> Administration and implementation of Institute research and ethics committee, Writing research project for Institute
2014-2015	<i>Research Officers</i> , Department of Geriatric Medicine, AIIMS, New Delhi, NPHCE Research Project, Ministry of Health and Family Welfare, GOI <u>Responsibilities:</u> Designed and implement research project for the department.
2011-2014	<i>Senior Research Fellow (SRF)</i> , Independent project funded from Indian Council of Medical research (ICMR), New Delhi <u>Responsibilities:</u> Develop novel occupational therapy program for dementia, Analyzed data and prepared manuscript for publication
2010-2011	<i>Administrative Assistant</i> in Ministry of Science and Technology, Project "Technology Intervention for Elderly and Disabled" <u>Responsibilities:</u> Administrative and content contribution in Govt. of India initiative web- portal "Development of web-portal directed at welfare of older people".
2008-2010	<i>Research Assistant</i> , Department of Geriatric Medicine, All India Institute of Medical Science (AIIMS) New Delhi <u>Responsibilities:</u> Developed assistive and enabling device questionnaire and assistive device manual for older people with Department of science and technology, GOI.

PROFESSIONAL SOCIETIES

All India Occupational Therapist Association Life Time Member	L-3533/08
Academy Council of Occupational Therapy	051374
The Delhi Council of Physiotherapy & Occupational Therapy	OT-206
Life-time Member, India Association of Geriatric Mental Health	LM/IAGMH/1601
Member of American Geriatric Society (Student)	0001035761
Life-Time Member, Alzheimer's and Related Disorders Society of India (ARDSI)	317
Member of Gerontological Society of America (GSA)	1156092
Member of Irish Gerontological Society (IGS)	

PAPER PUBLICATION

1. Ahuja, Deepti, Aparna Sarkar, Sushil Chandra, and Prakash Kumar. "Wearable technology for monitoring behavioral and physiological responses in children with autism spectrum disorder: A literature review." *Technology and Disability Preprint* (2022): 1-16.
2. Chatterjee, Prasun, **Prakash Kumar**, Ramesh Kandel, Ruchika Madan, Meenakshi Tyagi, Deepa Anil Kumar, Maroof Ahmad Khan et al. "Nordic walking training and nutritional supplementation in pre-frail older Indians: an open-labelled experimental pre-test and post-test pilot study to develop intervention model." *BMC geriatrics* 18, no. 1 (2018): 212.
3. Kenny, Rose A., Roman Romero-Ortuno, and **Prakash Kumar**. "Falls in older adults." *Medicine (Elsevier)* 45, no. 1 (2017): 28-33.
4. Ahum, Yuimi, Ruby Aikat, and **Prakash Kumar**. "Resilience in Subjects with Spinal Cord Injury." *Indian Journal of Physiotherapy and Occupational Therapy-An International Journal* 10, no. 4 (2016): 195-198.
5. **PLOS ONE 2014** Reviewer Thank You. *PLoS ONE* 10(2): e0121093.
6. **Kumar, Prakash**, Sarvada Chandra Tiwari, Ashish Goel, Vishnubhatla Sreenivas, Nand Kumar, Rakesh Kumar Tripathi, Vineet Gupta, and Aparajit Ballave Dey. "Novel occupational therapy interventions may improve quality of life in older adults with dementia." *International archives of medicine* 7, no. 1 (2014): 26.
7. **Kumar, Prakash**, Sarvada Chandra Tiwari, Ashish Goel, Vishnubhatla Sreenivas, Nand Kumar, Rakesh Kumar Tripathi, Vineet Gupta, and Aparajit Ballave Dey. "Correction: Novel occupational therapy interventions may improve quality of life in older adults with dementia." *International Archives of Medicine* 7 (2014): 38-38.
8. Das, P. C., **Kumar, Prakash**, A. Amara, and A. B. Dey. "Dementia care in India: Issues & prospects." *Int J Med Pharm Sci* 4 (2014): 29-36.
9. **Kumar, Prakash**, S. C. Tiwari, V. Sreenivas, Nand Kumar, R. K. Tripathi, and A. B. Dey. "Profile of Older Adults in Memory Outpatients' Clinic Setting and effectiveness of Novel Occupational Therapy Intervention in Patients with Mild to Moderate Dementia." *Indian Journal of Physiotherapy and Occupational Therapy* 7, no. 3 (2013): 297.
10. Kumar, Rahul, Prasun Chaterjee, **Prakash K. Sharma**, Abhay K. Singh, Abhishek Gupta, Kamaldeep Gill, Manjari Tripathi, Aparajit B. Dey, and Sharmistha Dey. "Sirtuin1: a promising serum protein marker for early detection of Alzheimer's disease." *PLoS One* 8, no. 4 (2013): e61560.
11. Das, P. C., P. Chatterjee, **P. Kumar**, G. Kumar, and A. B. Dey. "Prevalence and predictors of geriatric syndromes in an outpatient clinic at a tertiary care hospital of India." *Journal of Aging Research and clinical Practice* 2 (2012): 117-2.
12. **Kumar, Prakash**, P. C. Das, P. Chatterjee, and A. B. Dey. "A novel occupational therapy strategy for cognitive impairment in old age." *J Ind Acad Geriatr* 8 (2012): 120-123.

ABSTRACT PUBLICATION

13. **Kumar Prakash**, O'Connel M, Tiwari SC, Tripathi RK, Kenny RA, Dey AB. 168 EFFECTS OF A NOVEL OCCUPATIONAL THERAPY PROGRAMME FOR OLDER PEOPLE WITH MILD TO MODERATE DEMENTIA: A RANDOMIZED CONTROL TRIAL. *Age and Ageing*. 2016 Sep 1;45 (suppl 2):ii13-56.
14. Ambashtha AK, Kumar, **Prakash Kumar**, Dey AB, Suchak N. Knowledge about alzheimer's disease among hospital based health care professionals. In *Journal of the American Geriatrics Society* 2016 May 1 (Vol. 64, pp. S174-S174). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY-BLACKWELL.
15. **Prakash Kumar**, S. C.Tiwari, A. B. Dey, N. Kumar, V. Sreenivas. (A157) Occupational therapy improves the quality of life for older people with mild to moderate dementia in a memory clinic; *Journal of the American Geriatric Society* , vol. 60, s4, April 2012
16. **Prakash Kumar and A.B. Dey** (A137) Prediction of Short-Term Functional Outcomes of Older People in the Emergency Department; *Prehospital and Disaster Medicine*, 26, 2011, pp s39.
17. Akash Kumar Ambashtha, V Sreenivas, **Prakash Kumar**, et al; Health Emergencies in Older People: Predictors of Hospital Revisit and Adverse out-Come After One Year of Follow Up; *Journal of The Indian Academy of Geriatrics*, Vol. 8, No. 4, (182) December,2012.

18. **Prakash Kumar**, V. Sreenivas, Nand Kumar, R K Tripathi, SC Tiwari, Prasun Chatterjee, Dey AB. Profile of Older Adults in Memory Out-patient Clinic Setting and Application of Novel Occupational Therapy Technique in Patients with Mild to Moderate Dementia; **Journal of The Indian Academy of Geriatrics**, Vol. 8, No. 4, (182) December, 2012
19. **Prakash kumar**, SC Tiwari, R. Tripathi, PC Das, P Chatterjee, A B Dey; Occupational therapy for cognitive impairment in a memory clinic; **Journal of The India Academy of Geriatrics** vol. 7, No. 3, Sep, 2011, (121).
20. PC Das, **Prakash Kumar**, P Chatterjee, AB Dey; Comprehensive geriatric assessment can detect geriatric syndrome in outpatient setting; **Journal of The India Academy of Geriatrics**, Vol. 7, No.3, September, 2011,(120).
21. **Prakash Kumar**, A B Dey; Lower limb functionality is affected earlier in older Indians; **Journal of the Indian Academy of Geriatrics**, Vol. 6, No. 3, September 2010, Pg No-124.
22. **Prakash Kumar**, A B Dey; An innovation "www. Oldagesolutions.org" a portal on technology solutions for older people; **Journal of The India Academy of Geriatrics**; Vol. 6, No. 3, September 2010, Pg No-125.
23. MA Khan, A Goel, W Wilson, **P Kumar**, AB Dey. Profile of older patients presenting in an emergency. **Journal of the American Geriatrics Society**. 57(4):S150–S151, APR 2009
24. Wilson, W., A. Goel, M. A. Khan, **P. Kumar**, and A. B. Dey. "Prevalence and determinants of depression in older individuals residing in long stay institutions in Delhi." In **JOURNAL OF THE AMERICAN GERIATRICS SOCIETY**, vol. 57, pp. S150-S150. COMMERCE PLACE, 350 MAIN ST, MALDEN 02148, MA USA: WILEY-BLACKWELL PUBLISHING, INC, 2009

BOOK/CHAPTER PUBLICATION

1. **Assistive and Enabling Technology Needs of Elderly People in India: Issues and Initial Results** In: Bhatia and Goyal (Eds.), 2009. **Assistive Technologies: Towards Home-based Elder Care**, Associated Book Service, Ambala Cantt. (India), ISBN:78-93-80175-02-7, 195p.
2. **Assistive Devices for Older People 2010: Prakash Kumar; Dr. Usha Dixit; Dr. A.B.Dey**; Designed and printed by Vinod Graphics, A-21/27, Naraina Industrial Area, Phase-II, New Delhi-110028. Financial support by DST, Ministry of Science and Technology, Government of India.
3. **Artificial Intelligence in Healthcare and Digital Pathology**, Wolters Kluwer, 2019
4. **Clinical Neurology and Psychiatry, 2020**; Renova International Publications, Delhi
5. **Principles of Rehabilitation, Post Graduate Diploma in Geriatric Medicine, Course Material IGNOU, 2022**
6. **Vocational rehabilitation, Post Graduate Diploma in Geriatric Medicine, Course Material IGNOU, 2022**

TEACHING EXPERIENCE

(2006-2008)	Minor teaching to Bachelor in occupational therapy students at Hamdard University.
(2011-2013)	Visiting faculty for Master in occupational therapy students, Indian Spinal Injury Centre (ISIC), Indraprastha (IP) University, New Delhi
(2011-2014)	Guide and supervised four (MOT) Master theses (orthopaedics and neurology) at Guru Gobind Singh Indraprastha University, New Delhi.
(2012-1013)	External examiner and thesis reviewer for Final year MOT student in Guru Gobind Singh Indraprastha University, New Delhi
2019-Present	Full-time teaching faculty, guide 4 PhD students, Amity University, Noida

RESEARCH ACHIEVEMENT

1. Reviewer, **Archives of Gerontology and Geriatrics (Elsevier)**, (PubMed; 2.4), **Netherlands**
2. Reviewer, **Nutrients**, MDPI Publisher MEDLINE (PubMed; 4.2), **Switzerland**
3. Reviewer, **Behavioural Science**, MDPI Publisher MEDLINE (PubMed), **Switzerland**
4. Reviewer, **Environment Research and Public Health**, MDPI Publisher MEDLINE (PubMed; 2.2), **Switzerland**
5. Reviewer, **Journal of Clinical Medicine**, MDPI Publisher MEDLINE (PubMed; 5.6), **Switzerland**
6. Reviewer, **Healthcare**, MDPI Publisher MEDLINE (PubMed), **Switzerland**
7. Reviewer, **Applied Science**, MDPI Publisher MEDLINE (PubMed; 1.7), **Switzerland**

PROJECT DESIGN DEVELOPMENT AND IMPLEMENTATION

- 1) *Development of new occupational therapy intervention for patients with dementia* (PI)
Sponsor: Indian council of Medical Research, New Delhi (2011-2014), \$16,716 US Dollar
Develop a new occupational therapy intervention for patients with mild to moderate dementia and see their effective for improving physical, cognitive, social, behaviour, functional, and psychological domain.
- 2) *Impact of Nutritional supplementation and rehabilitation in pre-frail older patients in Geriatric Department of Tertiary care hospital in India.* (Co-PI)
Sponsor: Ministry of Health and Family Welfare, New Delhi (2012-2014), \$44402 US Dollar
Find out the prevalence of Frailty in a hospital, assessment of nutritional status of pre-frail and frail patient and see the impact of 6 weeks nutritional supplementation and walking training (Nordic walking) as a strategy to improve functional status in pre-frail elderly. Designed and fabrication of Novel walking frame "Nordic Walking stick" for rehabilitation of frail older people.
- 3) *Tele-assessment: A novel paradigm in occupational therapy service for stroke in India.* (PI)
Sponsor: Swedish Association of occupational Therapy (FSA) Year- 2013-2014, Amount- \$1256 US Dollar
To articulate the feasibility and acceptance of tele-assessment as an adjunct tool for occupational therapy services in Indian Population, and further we develop randomized control trials for providing occupational therapy intervention through e-services.
- 4) *www.olderagesolutions.org: A web-portal for welfare of older people*
Sponsor: Ministry of Science & Technology, Government of India (2015-2017)
Participation in providing the health related content and management of the portal
- 5) *Dementia care: Utility and implementation of a Novel Non-Pharmacological Intervention.* (Co-PI)
Sponsor: Ministry of Health and Family Welfare, New Delhi, (2014-2015), \$28000 US Dollar
A caregiver training manual and android application for patients with dementia is developed.
- 6) *Identify and prediction of falls among older adults in a tertiary hospital of Delhi.* (Co-PI)
Sponsor: National Institute of Medical Statistics, New Delhi (2015-2016), \$6600 US Dollar
Development of a comprehensive questionnaire for early detection and prediction of falls in Elderly
- 7) *Development of determinants of functionality with special reference to skeletal muscle strength and power among older men.*
Technically approved by Ministry of Health and Family Welfare, New Delhi, Year -2015, This project aim of this project to examine how impairment in lower extremity strength and power are related to functional limitation and mobility and also evaluate the clinical, physiological and radiological determinants of lower extremity muscle strength and power in healthy and mobility limited older adults.
- 8) *Enabling Autonomy, Participation, and Independence for older people during and after hospitalization.*
Technically approved by Indian Council of Medical Research, New Delhi, Year-2015-2018; 70 Lakh INR (Co-PI)
Identify risk factors for loss of activities of daily living (ADLs) capacity among older persons during and after hospitalization and investigate efficacy of rehabilitation interventions in Indian home settings. We will also develop manual for home care in Indian conditions.
- 9) *TOP-Elderly: A Tailor made Occupational therapy Programme for people with mild dementia (2016-2017);*
Approved by St. James's Hospital Research and Ethics committee, Dublin, Ireland. (Co-PI)
Examine the effectiveness of TOP- Elderly Programme in Irish dementia population
- 10) *Effect of smart Nordic walking Training on Mobility Independence in Community Elderly-A Pilot Study (ICMR in 2019 as CO-PI)*

PhD Scholars Mentor: (Four Scholars)

- Guide for two scholars
- Co-Guide for two scholars

AWARDS/GRANTS

August 2016 (Award)	<i>Introduction to Systematic Review and Met-analysis</i> , Online non-credit course authorized by John Hopkins University
July 2016 (Award)	<i>INTRODUCTION TO BIOSTATISTICS</i> by Centre for Support and Training in Analysis and Research (CSTAR); School of Public Health, Physiotherapy and Population Science, University College Dublin, Ireland
March 2016- (Scholarship)	<i>Government of Ireland International Education Scholarship 2015/2016</i> for MSc. (Research) Medical Gerontology, Trinity College Dublin, University of Dublin, Ireland
Sept 2014 (Certificate)	<i>Certificate of achievement after completion of the course "Dementia Diagnosis"</i> University of Nottingham, UK under IDEA Program
Sept 2014 (Certificate)	<i>Certificate of achievement after completion of the course "Dementia Awareness"</i> University of Nottingham, UK under IDEA Program
April 2014 (Award)	<i>WFOT Congress Delegate Grants Award</i> ; World Federation of Occupational Therapist, Western Australia, Australia for speaker at WFOT 2014 Congress, Yokohama, Japan
October 2013 (Award)	<i>Inga-Britt Lindstrom Grant Award</i> ; Swedish Association of Occupational Therapist (FSA) Sweden . "Tele Assessment: A Novel Paradigm in Occupational Therapy Services for Stroke in India"
August 2013 (Award)	<i>IAGMH-INTAS Award</i> , For PhD research paper awarded 1 st rank by Indian Association of Geriatric Mental Health (IAGMH) , at National congress, Lucknow, India
June 2013 (Grants)	<i>CSIR Travel Grants 2013</i> ; Council of Scientific and Industrial Research, (CSIR) New Delhi , for PhD research paper at, International Association of Gerontology Geriatrics (IAGG), Seoul, South Korea.
Nov 2011 (Award)	<i>NIMS Best Paper Award 2011</i> ; 1 st prize awarded by Indian Academy of Geriatrics (IAG) at the National congress of IAG, Vellore, India.
Nov 2011 (Award)	<i>NIMS Best Paper Award 2011</i> ; 3 rd prize awarded by Indian Academy of Geriatrics (IAG) at the National congress of IAG, Vellore, India.
Nov 2011 (Travel Grants)	<i>DST Travel Grants 2011</i> ; Ministry of Sciences and Technology, New Delhi , for presenting a scientific research paper at Asia Pacific Occupational Therapy congress, (APOTC), Chiang Mai, Thailand.
May 2011 (Travel Grants)	<i>ICMR Travel Grant 2011</i> ; Indian Council of Medical Research, New Delhi , for presenting a scientific research paper at World Congress of Disaster and Emergency Medicine (WCDEM), Beijing China.
July 2010 (Grants)	<i>WFOT Grant Award 2011</i> ; World Federation of Occupational Therapist, Forrestfield, Western Australia, Australia for speaker at WFOT 2010 Congress, Santiago, Chile.
April 2011 (Fellowship)	<i>Senior Research Fellowship</i> ; From Indian Council of Medical Research (ICMR) , New Delhi, for developing non-pharmacological intervention protocol for dementia

Other Scholastic Activities

- Founder Member for the "Research Institute for Autism and Neurodevelopmental Disabilities" (RIAND) centre on invitation from the University of Dhaka, Bangladesh. RIAND is an advanced rehabilitation centre and training institute and the first of its kind move in Dhaka for children with special needs.
- Working collaboratively as a consultant therapist with Dr Veena Kalra; Ex-Head; Department of Paediatrics, AIIMS, from 2008 to 2017
- Received the award for excellence work in Advanced Research in Rehabilitation by Minister of Education and Skills, Government of Ireland in 2016.
- Received the award for Rehabilitation Research from Shri Akhilesh Yadav, Chief Minister, UP, in 2013, and from Shri Prithviraj Chavan, Minister of Science and Technology, in 2010.
- **Editorial Board** Member of open access, peer-reviewed journal "International Journal of General Medicine and Pharmacy" (IJGMP) and Journal of Aging and Geriatric Psychiatry.
- **Article contribution (10 articles)** in www.olderagesolutions.org; An initiative of the Ministry of Science & Technology (Govt. of India) and All India Institute of Medical Sciences, New Delhi.

ORAL PAPER PRESENTATION

1. *Profile of older adults with cognitive impairment in memory clinic of a tertiary hospital in India and application of newly developed occupational therapy intervention for patients with mild to moderate dementia.* **16th World Federation of Occupational Therapy Congress, Yokohama, Japan, 18-21st June 2014.**
2. *Profile of older adults in memory outpatient clinic setting and application of novel occupational therapy technique in patients with mild to moderate dementia*, 2013, **International Association of Geriatrics and Gerontology, Seoul, South Korea, 23rd-27th June 2013.**
3. Key Note speaker and chief guest in Autism and Cerebral palsy awareness workshop at **Dhaka, Bangladesh**, in September 2012.
4. *Effectiveness of Dorsiflexion Night Splint in Patients with Chronic Plantar Fasciitis* at Asia Pacific occupational therapy Congress 2011, 19th -24th November, **Chiang Mai, Thailand.**
5. *Need and awareness of assistive and Enabling Devices in Elderly people in Asian and European Countries: Similarities and differences* at Asia Pacific occupational therapy Congress 2011, 19th -24th November, **Chiang Mai, Thailand.**
6. *Occupational therapy for cognitive impairment in a memory clinic* at IX Indian Ageing Congress, 4-5th November, 2011, **Vellore, India.**
7. *Prediction of short term functional outcomes of older people in the emergency department* at 17th World Congress on Disaster and Emergency Medicine, 31st May to 3rd June 2011, **Beijing, china.**
8. *Lower limb Functionality is affected earlier in older Indian* at Indian Aging Congress 12th -14th November 2010, **BHU, Varanasi, India**
9. *An innovation www.oldagesolutions.org: a portal on technology solutions for older people* at Indian Aging Congress 12th -14th November 2010, BHU, **Varanasi, India.**
10. *Mental function as determined by MMSE is associated with the physical function as indicated by Barthel's ADL score* at 15th International Congress of **WFOT 2010, 4-7th May 2010, Santiago, Chile.**
11. *Functional decline brought about by acute illness requiring emergency admission in older patients.* **XXXXVII Annual National Conference of AIOTA 21st-23rd January, 2010, Ahmedabad, Gujrat, India.**
12. *To study the effectiveness of night splint in patients with chronic plantar fasciitis.* **XXXXVII Annual National Conference of AIOTA 21st - 23rd January, 2010, Ahmedabad, Gujrat, India.**
13. *Profile of Functionality assessed by ADL in subjects presenting to the geriatric clinic.* **International Congress on Gerontology and Geriatrics Medicine-2009; 26th -28th February 2009, at AIIMS New Delhi, India**
14. *Survey on the Need, Difficulty in using and Awareness of Assistive & Enabling Devices in older populations* during a 2-day conference of All India Senior Citizens' Confederation, on December 24, 2008 held at New Delhi on behalf of Department of Science and Technology, Govt. of India, and their output present on January 14, 2009 at Help Age India, New Delhi, India.

REFERENCE

Dr. A B Dey

Professor and Head,
Dept. of Geriatrics Medicine
AIIMS, New Delhi-India
Contact- +91-11-26593639
E-mail: abdey@hotmail.com

Dr S C Tiwari

Professor and Head
Department of Geriatric Mental Health,
King George's Medical University, U.P
Contact – 09415011977
E-mail: sarvada1953@gmail.com

Professor Rose Anne Kenny

Professor of Medical Gerontology
Principal Investigator, (TILDA)
Director, Mercer's Institute for Successful Ageing, St. James's
Hospital
Trinity College Dublin, the University of Dublin
EMAIL : rkenny@tcd.ie

Dr. Vineet Gupta

Clinical Assistant Professor
Department of Critical Care Medicine
University of Pittsburgh School of Medicine,
Pittsburgh, PA, USA-15261
Contact-Cell: 412-961-3080
E-mail: vineetgsvm@gmail.com

I certify that the information above is complete and accurate to my knowledge.

**Prakash KumarAmity,
University, NOIDA**