




Faculty Details proforma for DU Web-site

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|--|---|-------------------|-------|-----------|---|---|
| Title | Dr. | First Name | Vipin | Last Name | Gupta | Photograph |
| Designation | Assistant Professor | | | | |  |
| Address | Department of Anthropology University of Delhi Delhi-110007 | | | | | |
| Phone No | Office | | | | | |
| | Residence | - | | | | |
| | Mobile | 9899119242 | | | | |
| Email | vgupta@du.ac.in udaig@gmail.com drvipiing@gmail.com | | | | | |
| Web-Page | <u>http://www.du.ac.in/du/index.php?page=anthropology</u> | | | | | |
| Educational Qualifications | | | | | | |
| Degree | Institution | | | | Year | |
| Ph.D. | Department of Anthropology, University of Delhi | | | | Awarded:2010 (March) Submitted:2009 (June) | |
| M.Phil. / M.Tech. | - | | | | - | |
| PG (M.Sc.) | Department of Anthropology, University of Delhi | | | | 2004 | |
| UG (B.Sc.) | Department of Anthropology, University of Delhi | | | | 2002 | |
| Any other qualification | | | | | | |
| Career Profile | | | | | | |
| <ul style="list-style-type: none"> ▪ September 2017- Present: Wellcome Trust/DBT India Alliance “Intermediate fellow” ▪ March 2013 - Present: Assistant Professor, Department of Anthropology, University of Delhi ▪ December, 2010 – March 2013: Senior Research Fellow (Genetic Epidemiology) in “South Asia Network for Chronic Disease (SANCD)”, Public Health Foundation of India, New Delhi, India. ▪ August, 2009 – November, 2010: Research Fellow (Genetic Epidemiology) in “South Asia Network for Chronic Disease” (SANCD), Public Health Foundation of India, New Delhi, India. <p><i>{SANCD is a collaborative venture between London School of Hygiene and Tropical Medicine, UK and Public Health Foundation of India (PHFI), India, funded by a Wellcome Trust Strategic Award, UK.}</i></p> <ul style="list-style-type: none"> ▪ 2007 to 2/8/2009: Junior Research Fellowship of Indian Council of Medical Research (National Entrance Exam). | | | | | | |

Administrative Assignments

1. **Advisory**

- Student Advisor, Department of Anthropology, University of Delhi

2. **Committees and Boards**

- Committee for M.Sc. Course Revision 2018, Department of Anthropology, University of Delhi
- Departmental Research Committee, Department of Anthropology, University of Delhi Member of Department's Swachhata Abhiyaan Committee (September, 2014 to present)
- Member of Department's Library Committee (2014 to 2016)
- Committee of Courses, Post-graduate and Research Studies in Anthropology, University of Delhi (2014-16)
- Admission Coordinator M.Sc. Forensic Science, Department of Anthropology, University of Delhi

3. **Others**

- Co-convenor of National Seminar "Anthropology and Environment", University of Delhi, 2016.
- Organized short symposium in Genetic and Epigenetic Epidemiology in PHFI, 2011.
- Developed SANCD-PHFI's Genetics and Biochemistry Laboratory (GBL) in 2010.
- Recruitment of field investigators, lab-manger and field-manager for SANCD-PHFI in 2010.

Areas of Interest / Specialization

- **Public Health [non-communicable chronic diseases]**
- **Genomic Epidemiology**
- **Epigenomic Epidemiology**
- **Social Epidemiology**
- **Molecular Anthropology**
- **Human Population Genetics**

Subjects Taught

PhD. Coursework

1. Research methods

M.Phil. Anthropology

1. Genetic Epidemiology of Complex Disease
2. Methods and Techniques in Human genetics

M.Sc. Anthropology

1. Human Population Genetics
2. Molecular Anthropology
3. Research Methods and Techniques II
4. Statistical Methods in Biological Anthropology
5. Biostatistics and Computational Anthropology

B.Sc. Anthropology

1. Human Genetics
2. Epidemiology and Public health
3. Research Methodology
4. Genomic Diversity in Human Populations
5. Biological Diversity in Human Populations
6. Fundamentals of Biological Anthropology

| Time table of the subjects taught during the current semester | | | | |
|--|---|---------------------------|---------------------------|---------------------------|
| S.No. | Subject | Days | Time | Classroom |
| Text | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. |
| 1 | Human Population Genetics | | | M.Sc. |
| 2 | Biostatistics and Computational Anthropology | | | M.Sc. |
| 3 | Molecular Anthropology | | | M.Sc. |
| 4 | Genetic epidemiology of Complex Disease | | | M.Phil. |
| 5 | Methods and Techniques in Human Genetics | | | M.Phil. |
| 6 | Research Methodology | | | Ph.D. |
| 7 | Research Methodology | | | B.Sc. |
| 8 | Epidemiology and Public Health | | | B.Sc. |
| Research Guidance | | | | |
| <ol style="list-style-type: none"> 1. <i>Supervision of awarded Doctoral Thesis:</i> Nil 2. <i>Supervision of Doctoral Thesis, under progress:</i> Five <ul style="list-style-type: none"> • Supervisor : 4 (1 submitted) • Co-supervisor : 1 (submitted) 3. <i>Supervision of awarded M.Phil. dissertations:</i> Two (submitted) 4. <i>Supervision of M.Phil. dissertations, under progress:</i> Nil | | | | |
| Publications Profile | | | | |
| List against each head(If applicable) (as Illustrated with examples) | | | | |
| 1. Books/Monographs (Authored/Edited) | | | | |
| <ol style="list-style-type: none"> 1. Gupta V and Ebrahim S. Genomics of Chronic Obstructive Pulmonary Disease. <i>World Clinics in Pulmonary and Critical Care</i>. 2013;2(1):55-71. [<i>Invited Book Chapter</i>] | | | | |
| Research papers published in Refereed/Peer Reviewed Journals | | | | |
| <ol style="list-style-type: none"> 1. GBD 2016 Causes of Death Collaborators. Naghavi et al. Global, regional, and national age-sex specific mortality for 264 causes of death, 1980–2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet</i> 2017; 390: 1151–210 2. GBD 2016 Risk Factors Collaborators. Gakidou et al. Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet</i> 2017; 390: 1345–422 3. GBD 2016 DALYs and HALE Collaborators*. Hay et al. Global, regional, and national disability-adjusted life-years (DALYs) for 333 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet</i> 2017; 390: 1260–344 | | | | |

4. **GBD 2016 Disease and Injury Incidence and Prevalence Collaborators. Vos et al.** Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. **Lancet** **2017**; 390: 1211–59
5. **GBD 2016 Mortality Collaborators. Wang et al.** Global, regional, and national under-5 mortality, adult mortality, age-specific mortality, and life expectancy, 1970–2016: a systematic analysis for the Global Burden of Disease Study 2016. **Lancet** **2017**; 390: 1084–1150
6. **GBD 2016 SDG Collaborators. Fullman et al.** Measuring progress and projecting attainment on the basis of past trends of the health-related Sustainable Development Goals in 188 countries: an analysis from the Global Burden of Disease Study 2016. **Lancet** **2017**; 390: 1423–59
7. GBD 2015 Chronic Respiratory Disease Collaborators.
Global, regional, and national deaths, prevalence, disability-adjusted life years, and years lived with disability for chronic obstructive pulmonary disease and asthma, 1990–2015: a systematic analysis for the Global Burden of Disease Study 2015. **Lancet Respir Med.** 2017 Sep;5(9):691–706.
8. Oakley L, Baker C, Addanki S, Walia GK, Aggarwal A, Bhogadi S, Kulkarni B, Prabhakaran D, Ben-Shlomo Y, Smith GD, Radha Krishna KV, **Gupta V** Kinra S. Is increasing urbanicity associated with changes in breastfeeding duration in rural India? An analysis of cross-sectional household data from the Andhra Pradesh Children and Parents Study. **BMJ Open, 2017, 7: e016331 [IF-2.5]**
9. GBD 2015 Eastern Mediterranean Region Obesity Collaborators, Burden of obesity in the Eastern Mediterranean Region: findings from the Global Burden of Disease 2015 study. **Int J Public Health.** 2017 Aug 3. doi: 10.1007/s00038-017-1002-5.
10. GBD 2015 Healthcare Access and Quality Collaborators. **Barber et al. 2017.** Healthcare Access and Quality Index based on mortality from causes amenable to personal health care in 195 countries and territories, 1990–2015: a novel analysis from the Global Burden of Disease Study 2015. **Lancet.** 2017 May 18. pii: S0140-6736(17)30818-8. doi: 10.1016/S0140-6736(17)30818-8.
11. Reitsma et al. Smoking prevalence and attributable disease burden in 195 countries and territories, 1990–2015: a systematic analysis from the Global Burden of Disease Study 2015. **Lancet, 2017 [IF: 45]**
12. Matsuzaki M, Kulkarni B, Ploubidis GB, Kuper H, Prabhakaran P, **Gupta V**, Walia GK, Aggarwal A, Wells JC, Prabhakaran D, Davey-Smith G, Radhakrishna KV, Ben-Shlomo Y, Kinra S. Association of hip bone mineral density and Body Composition in an Indian population: The Andhra Pradesh Children and Parents Study (APCAPS). **PLoS ONE, 2017, 12(1): e0167114 [IF-3.1]**

13. Gupta V , Somarajan BI , Gupta S, Chaurasia AK, Kumar S, Dutta P, **Gupta V**, Sharma A, Tayo BO, Nischal K. The inheritance of Juvenile onset Primary Open angle glaucoma. ***Clinical genetics*** [IF: 3.8] (in press)
14. **Wang et al.** Global, regional, and national life expectancy, all-cause mortality, and cause-specific mortality for 249 causes of death, 1980–2015: a systematic analysis for the Global Burden of Disease Study 2015. ***Lancet*, 2016, 388: 1459–544** [IF: 45]
15. **Vos et al.** Global, regional, and national incidence, prevalence, and years lived with disability for 310 diseases and injuries, 1990–2015: a systematic analysis for the Global Burden of Disease Study 2015. ***Lancet*, 2016, 388: 1545–602** [IF: 45]
16. Walia GK, Vellekal R and **Gupta V**. Chronic Obstructive Pulmonary Disease and its Non-Smoking Risk Factors in India. ***COPD: Journal of Chronic Obstructive Pulmonary Disease*, 2016, 13 (2):251-61** [IF-2.1]
17. **Kassebaum et al.** Global, regional, and national disability-adjusted life-years (DALYs) for 315 diseases and injuries and healthy life expectancy (HALE), 1990–2015: a systematic analysis for the Global Burden of Disease Study 2015. ***Lancet*, 2016, 388: 1603–58** [IF: 45]
18. **Wang et al.** Global, regional, national, and selected subnational levels of stillbirths, neonatal, infant, and under-5 mortality, 1980–2015: a systematic analysis for the Global Burden of Disease Study 2015. ***Lancet*, 2016, 388: 1725–74** [IF: 45]
19. Jones AD, Hayter AKM, Baker CP, Prabhakaran P, **Gupta V**, Kulkarni B, Smith GD, Ben-Shlomo Y, Radha Krishna KV, Kumar PU, Kinra S. The co-occurrence of anemia and cardiometabolic disease risk demonstrates sex-specific sociodemographic patterning in an urbanizing rural region of southern India. ***European Journal of Clinical Nutrition (Nature)*, 2016, 70(3):364-72**doi:10.1038/ejcn.2015.177. [IF-2.93]
20. **Kassebaum et al.** Global, regional, and national levels of maternal mortality, 1990–2015: a systematic analysis for the Global Burden of Disease Study 2015. ***Lancet*, 2016, 388: 1775–812** [IF: 45]
21. **Mokdad et al.** High fasting plasma glucose, diabetes mellitus, and its risk factors in the Eastern Mediterranean Region, 1990–2013: Findings from the Global burden of Disease study 2013. ***Diabetes Care*, 2016** (in press) [IF: 8.1]
22. **Lim et al.** Measuring the health-related Sustainable Development Goals in 188 countries: a baseline analysis from the Global Burden of Disease Study 2015. ***Lancet*, 2016, 388: 1813–50** [IF: 45]

23. Wang et al. Estimates of global, regional, and national incidence, prevalence, and mortality of HIV, 1980–2015: the Global Burden of Disease Study 2015. *Lancet HIV*, 2016, 3: e361–87 [IF: 8.3]
24. Gupta V, Millett C, Walia GK, Kinra S, Aggarwal A, Prabhakaran P, Bhogadi S, Kumar A, Gupta R, Prabhakaran D, Reddy KS, Smith GD, Ben-Shlomo Y, Radha Krishna KV, Ebrahim S. Socio-economic patterning of cardiometabolic risk factors in rural and peri-urban India: Andhra Pradesh Children and Parents Study (APCAPS). *Journal of Public Health (Springer)*, 2015, 23(3):129-36 [IF-2.0]
25. Gupta V, Walia GK, Khagawat R, Ng HKT, Sachdeva MP. Familial history: a risk factor of type 2 diabetes among the “Aggarwal” population of Delhi, India. *International Journal of Diabetes in Developing Countries (Springer)*, 2015, DOI: 10.1007/s13410-015-0345-9 [IF-0.4]
26. Matsuzaki M, Kuper H, Ploubidis GB, Kulkarni B, Radhakrishna KV, Viljakainen H, Taylor AE, Prabhakaran P, Gupta V, Walia GK, Aggarwal A, Tobias JH, Wells JC, Prabhakaran D, Sarma KVR, Smith GD, Ben-Shlomo Y, Kinra S. Adolescent undernutrition and early adulthood bone mass in an urbanizing rural community in India. *Archives of Osteoporosis (Springer)* 2015; 10(1): 29. [IF: 2.3]
27. Walia GK, Gupta V, Aggarwal A, Asghar M, Dudbridge F, Timpson N, Singh NS, Kumar MR, Kinra S, Prabhakaran D, Reddy KS, Chandak GR, Smith GD, Ebrahim S et al. Association of common genetic variants with lipid traits in the Indian population. *PLoS ONE*, 2014, [IF-3.1]
28. Kinra S, Radha Krishna KV, Kuper H, Sarma KVR, Prabhakaran P, Gupta V, Walia GK, Bhogadi S, Kulkarni B, Kumar A, Aggarwal A, Gupta R, Prabhakaran D, Reddy KS, Davey Smith G, Ben-Shlomo Y, Ebrahim S. Cohort Profile: Andhra Pradesh Children and Parents Study (APCAPS). *International journal of Epidemiology*, 2014 43(5):1417-24 [IF-9.19]
29. Molinari F, Gupta V, Prabhakaran P, Meiburger KM, Saba L, Acharya UR, Ledda G, Krishna KV, Walia GK, Kinra S, Nicolaides A, Ebrahim S, Suri JS. Automated IMT estimation and BMI correlation using a low-quality carotid ultrasound image database from India. *Conf Proc IEEE Eng Med Biol Soc.* 2013:3343-3346. [IF-1.0]
30. Gupta V, Vinay DG, Sovio U, Rafiq S, Kranthi Kumar MV, Janipalli CS, Evans D, Mani KR, Sandeep MN, Taylor A, Kinra S, Sullivan R, Bowen L, Timpson N, Smith GD, Dudbridge F, Prabhakaran D, Ben-Shlomo Y, Reddy KS, Ebrahim S, Chandak GR; Indian Migration Study Group. Association analysis of 25 type 2 diabetes related loci with measures of obesity in Indian sib pairs. *PLoS ONE*, 2013 8(1): e53944. [IF-3.1]
31. Elliott HR, Walia GK, Groom A, Duggirala A, Reddy U, Chandak GR, Gupta V, Laakso M, Dekker JM, The RISC Consortium, Walker M, Ebrahim S, Smith GD and Relton CL. Migration and DNA methylation: An Indo-European comparison of methylation patterns in type 2 diabetes susceptibility genes. *Journal of Diabetes -Research and Clinical Metabolism*, 2013, doi:

32. **Gupta V**, Vinay DG, Rafiq S, Kranthikumar MV, Janipalli CS, Giambartolomei C, Evans DM, Mani KR, Sandeep MN, Taylor AE, Kinra S, Sullivan RM, Bowen L, Timpson NJ, Smith GD, Dudbridge F, Prabhakaran D, Ben-Shlomo Y, Reddy KS, Ebrahim S, Chandak GR; Indian Migration Study Group. Association analysis of 31 common polymorphisms with type 2 diabetes and its related traits in Indian sib pairs. *Diabetologia*, 2012 55(2):349-357. [IF-6.67]
33. **Rafiq S**, Venkata KK, Gupta V, Vinay DG, Spurgeon CJ, Parameshwaran S, Madana SN, Kinra S, Bowen L, Timpson NJ, Smith GD, Dudbridge F, Prabhakaran D, Ben-Shlomo Y, Reddy KS, Ebrahim S, Chandak GR; Indian Migration Study Group. Evaluation of seven common lipid associated loci in a large Indian sib pair study. *Lipids in Health and Disease*, 2012 11(1):155 [IF-2.31]
34. **Gupta V**, Khadgawat R, Ng HK, Walia GK, Kalla L, Rao VR, Sachdeva MP. Association of TCF7L2 and ADIPOQ with BMI, WHR and Systolic Blood Pressure in an Endogamous Ethnic Group of India. *Genetic Testing and Molecular Biomarkers*, 2012 DOI: 10.1089/gtmb.2012.0051 [IF-1.3]
35. Taylor AE, Sandeep MN, Janipalli CS, Giambartolomei C, Evans DM, Kranthi Kumar MV, Vinay DG, Smitha P, **Gupta V**, Aruna M, Kinra S, Sullivan RM, Bowen L, Timpson NJ, Davey Smith G, Dudbridge F, Prabhakaran D, Ben-Shlomo Y, Reddy KS, Ebrahim S, Chandak GR. Associations of *FTO* and *MC4R* variants with obesity traits in Indians and the role of rural/urban environment as a possible effect modifier. *Journal of Obesity*, 2011 doi:10.1155/2011/307542
36. **Gupta V**, Khadgawat R, Ng HK, Kumar S, Aggarwal A, Rao VR, Sachdeva MP. A validation study of variants belonging to *TCF7L2*, *HHEX*, *KCNJ11*, and *ADIPOQ* genes of Type 2 Diabetes in one Endogamous Ethnic group of North India. *Annals of Human Genetics*, 2010, 74(4):361-368. [Ph.D. research work] [IF-1.88]
37. **Gupta V**, Khadgawat R, Ng HK, Kumar S, Rao VR, Sachdeva MP. Population Structure of Aggarwals of North India as Revealed by Molecular Markers. *Genetic Testing and Molecular Biomarkers*, 2010, 14(6):781-785. [IF-1.3]
38. Saraswathy KN, Meitei SY, **Gupta V**, Murry B, Sachdeva MP, Ghosh PK. Allelic and haplotypic structure at DRD2 locus among five North Indian caste populations. *American Journal of Physical Anthropology*, 2010, 141(4):651-7. [IF-2.5]
39. Saraswathy KN, Sanjenbam YM, Murry B, Devi KN, Sinha E, **Gupta V**, Mukhopadhyay R, Mohammad A, Nongthomban AD, Khangenbam SM, Sachdeva MP. Population severance in Manipur at DRD2 locus. *Genetic Testing and Molecular Biomarkers*, 2009, 13(6): 831-839. [IF-1.3]

40. **Gupta V.** Genomic Efficiency of Endogamy. *International Journal of Human Genetics*, 2011, 11(3): 199-201
41. **Gupta V** and Ebrahim S. Comment on: Chauhan et al. Impact of common variants of *PPARG*, *KCNJ11*, *TCF7L2*, *SLC30A8*, *HHEX*, *CDKN2A*, *IGF2BP2* and *CDKAL1* on the risk of type 2 diabetes in 5164 Indians. *Diabetes*, 2010 59:2068-2074 [IF-8.1]
42. **Gupta V** and Sachdeva MP. Explanation of Genetic Component of Human Height by GWAS. *Current Science*, 2010, 98(3), February 10 edition. [IF-0.83]
43. **Gupta V**, Khadgawat R, Sachdeva MP. Significance of Genome-wide Association studies in Molecular Anthropology. *Genetic Testing and Molecular Biomarkers*, 2009 13(6):711-715. {Published as a Key Article} [IF-1.46]
44. **Gupta V**, Saraswathy KN, Khadgawat R, Sachdeva MP. Genome-wide Association: “A Revolutionary Approach”. *International Journal of Human Genetics*, 2009, 9(2):97-103.
45. **Gupta V**, Khadgawat R, Saraswathy KN, Sachdeva MP. Submicroscopic structural variations: A *de novo* tool in molecular anthropogenetics. *Current Science*, 2008, 95(4): 465-468.[IF-0.83]
46. **Gupta V**, Khadgawat R, Saraswathy KN, Sachdeva MP, Kalla AK. Emergence of TCF7L2 as most promising gene in predisposition of Diabetes Type II. *International Journal of Human Genetics*, 2008, 8(1&2): 199-215.
2. *Other publications (Edited works, Book reviews, Festschrift volumes, etc.)*
47. **Gupta V.** India Based Chronic Disease Fact Sheet, Chapter on Type 2 Diabetes. Currently available at SANCD website.

Publications in the Last one year

1. **GBD 2016 Causes of Death Collaborators. Naghavi et al.** Global, regional, and national age-sex specific mortality for 264 causes of death, 1980–2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet* 2017; 390: 1151–210
2. **GBD 2016 Risk Factors Collaborators. Gakidou et al.** Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet* 2017; 390: 1345–422
3. **GBD 2016 DALYs and HALE Collaborators*. Hay et al.** Global, regional, and national disability-adjusted life-years (DALYs) for 333 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet* 2017; 390: 1260–344

4. **GBD 2016 Disease and Injury Incidence and Prevalence Collaborators. Vos et al.** Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. **Lancet** **2017**; 390: 1211–59
5. **GBD 2016 Mortality Collaborators. Wang et al.** Global, regional, and national under-5 mortality, adult mortality, age-specific mortality, and life expectancy, 1970–2016: a systematic analysis for the Global Burden of Disease Study 2016. **Lancet** **2017**; 390: 1084–1150
6. **GBD 2016 SDG Collaborators. Fullman et al.** Measuring progress and projecting attainment on the basis of past trends of the health-related Sustainable Development Goals in 188 countries: an analysis from the Global Burden of Disease Study 2016. **Lancet** **2017**; 390: 1423–59
7. GBD 2015 Chronic Respiratory Disease Collaborators. Global, regional, and national deaths, prevalence, disability-adjusted life years, and years lived with disability for chronic obstructive pulmonary disease and asthma, 1990–2015: a systematic analysis for the Global Burden of Disease Study 2015. **Lancet Respir Med.** 2017 Sep;5(9):691–706.
8. Oakley L, Baker C, Addanki S, Walia GK, Aggarwal A, Bhogadi S, Kulkarni B, Prabhakaran D, Ben-Shlomo Y, Smith GD, Radha Krishna KV, **Gupta V** Kinra S. Is increasing urbanicity associated with changes in breastfeeding duration in rural India? An analysis of cross-sectional household data from the Andhra Pradesh Children and Parents Study. **BMJ Open, 2017, 7: e016331 [IF-2.5]**
9. GBD 2015 Eastern Mediterranean Region Obesity Collaborators, Burden of obesity in the Eastern Mediterranean Region: findings from the Global Burden of Disease 2015 study. **Int J Public Health.** 2017 Aug 3. doi: 10.1007/s00038-017-1002-5.
10. GBD 2015 Healthcare Access and Quality Collaborators. **Barber et al. 2017.** Healthcare Access and Quality Index based on mortality from causes amenable to personal health care in 195 countries and territories, 1990–2015: a novel analysis from the Global Burden of Disease Study 2015. **Lancet.** 2017 May 18. pii: S0140-6736(17)30818-8. doi: 10.1016/S0140-6736(17)30818-8.
11. Reitsma et al. Smoking prevalence and attributable disease burden in 195 countries and territories, 1990–2015: a systematic analysis from the Global Burden of Disease Study 2015. **Lancet, 2017 [IF: 45]**
12. Matsuzaki M, Kulkarni B, Ploubidis GB, Kuper H, Prabhakaran P, **Gupta V**, Walia GK, Aggarwal A, Wells JC, Prabhakaran D, Davey-Smith G, Radhakrishna KV, Ben-Shlomo Y, Kinra S. Association of hip bone mineral density and Body Composition in an Indian population: The Andhra Pradesh Children and Parents Study (APCAPS). **PLoS ONE, 2017, 12(1): e0167114 [IF-3.1]**

Conference Organization/ Presentations (in the last three years)

1. **Gupta V.** Challenges in conducting reproducible science. *National Seminar on Biological Diversity and Adaptability across Different Eco-zones*. University of Delhi, 2017. **Keynote Address (Oral Presentation)**
2. **Gupta V.** Environment of Poverty. National Seminar on Anthropology and Environment, University of Delhi, 2016. **[Oral presentation]**
3. **Gupta V.** Anthropology and global Health. National Seminar on Anthropology and Health, University of Delhi, 2016. **[Oral presentation]**
4. **Gupta V.** Genomics of type 2 diabetes: a challenge of 21st century. National Seminar on “Challenges to 21st Century”, organized by **UGC-Human resource Development Centre**, Kumaun University, Nainital, **2015**. **[Oral presentation]**

Research Projects (Major Grants/Research Collaboration)

| S. No. | Title | Funding Agency | Amount | Role |
|--------|---|-----------------------|---|------------------------|
| | Extramural Grants | | | |
| 1 | Longitudinal assessment of metabolomics changes during pregnancy on fetal growth | WT/DBT India Alliance | 3.81 Crores | Lead Applicant |
| 2 | Genetic Association study of type 2 diabetes mellitus among the “Aggarwals” of Delhi. | UGC, India | Rs. 6,00,000 | Principal Investigator |
| 3 | Genome-wide investigation of body fat distribution among the women population of Andhra Pradesh. | SERB-DST | 23,00,000 | Principal Investigator |
| 4 | Genetic and Epigenetic Determinants of Obesity and Diabetes in India | Wellcome Trust, UK | £198,000 | Co-Applicant |
| 5 | Genetics and Epigenetics of Lung function among the victims of Bhopal Gas tragedy. | ICMR, India | Rs. 49,98,100 (1st year grant) | Principal Investigator |
| 6 | COPD genetics Consortium | DBT, India | Rs. 87,80,450 | Co-PI |
| 7 | Genetic and Epigenetic Association study of GWAS Genes related to age at menarche and age at natural menopause in Rural and Urban Indian Population | UGC, India | Rs. 8,00,000 | Co-PI |
| 8 | Phenotype Genotype correlation among patients with Juvenile onset primary open angle glaucoma | DBT, India | Rs. 28 Lakhs | Co-Investigator |

| S. No. | Title | Funding Agency | Amount | Role |
|--------|---|----------------|----------|------------------------|
| | Intramural Grants | | | |
| 1. | Genetic association study of bone mineral density in population of Rangareddy district, Andhra Pradesh, India [2013-14] | DU R&D Grant | 2,80,000 | Principal Investigator |
| 2. | Genetic Association Study of Selected Genetic Polymorphisms with Liver Enzymes [2014-15] | DU R&D Grant | 3,00,000 | Principal Investigator |
| 3. | Genomics of lung function in Indian Population [2015-16] | DU R&D Grant | 3,00,000 | Principal Investigator |
| | | | | |

Awards and Distinctions

- **UGC-NET** in **2008** (National Eligibility Test for Lectureship; Ref. no.: 2187).
- Scholarship for “**Best Science student award**” in B.Sc. (H) 1st year.

Association With Professional Bodies

Invited Peer Review Activities for Reputed International Journals:

| S. No. | Journals | Impact Factor | Country |
|--------|---|---------------|---------|
| 1. | PLoS ONE | 3.7 | USA |
| 2. | Biomedicine & Pharmacotherapy (<i>Elsevier</i>) | 2.3 | USA |
| 3. | Molecular Biology Report (<i>Springer</i>) | 2.9 | USA |
| 4. | Journal of Diabetes (<i>Wiley</i>) | 1.9 | USA |
| 5. | BMC Endocrine Disorders | 1.7 | UK |
| 6. | Molecular Genetics and Genomics (<i>Springer</i>) | 2.8 | Germany |
| 7. | Disease Markers (<i>Hindawi</i>) | 2.1 | USA |
| 8. | Journal of Diabetes Research (<i>Hindawi</i>) | 2.1 | USA |
| 9. | Journal of Public Health (<i>Springer</i>) | 2.0 | Germany |
| 10. | International Journal of Diabetes in Developing Countries (<i>Springer</i>) | 0.5 | India |
| 11. | Journal of Obesity (<i>Hindawi</i>) | - | USA |
| 12. | Indian Journal of Gastroenterology (<i>Springer</i>) | | |

4. Memberships

- Member of Human Variome Project
- Life member of *Indian Society of Human Genetics* (ISHG).
- Life member of *Indian National Confederation and Academy of Anthropologists* (INCAA).
- Member of Asian Population Association

Other Activities

- **Academic Visitor (under European Union's GCoCoE Exchange, March-June, 2011)**
 - **Epigenetic Epidemiology:** Department of Human genetics, University of Newcastle Upon Tyne, UK,
 - **Genomic Epidemiology:** MRC Centre for Causal Analysis in Translational Epidemiology, University of Bristol, UK and London School of Hygiene and Tropical Medicine, London, UK
- **Wellcome-Trust, UK, Advanced Courses attended:**
 - **Computational Molecular Evolution 2011**, Wellcome Trust Genome Campus, **UK**. [Sponsored by Wellcome Trust grant to South Asia Network for Chronic Disease, PHFI]
 - **Design and Analysis of Genetic based Association studies 2008**, Wellcome Trust Genome Campus, U.K, [Scholarship provided by Wellcome Trust, UK and University of Delhi, India].
- **Course in Genetic Association Studies, University of Bristol, May, 2011.**

Other Advance Workshops

1. Attended a 3-day workshop "**Enhancing Leadership Capacity** among Public Health Researchers" organized by the Centre for Chronic Disease Control and Public Health Foundation of India in New Delhi between April 23rd-25th, 2012.
2. Attended a workshop on "**Mixed Methods in Research**" at South Asian Network for Chronic Diseases (SANCD), New Delhi on November 2nd and 3rd 2011.
3. **Guest Researcher (2008)** advanced training in molecular genetics techniques at Anthropological Survey of India Laboratory, Mysore, Ministry of Culture, Govt. of India.
4. International Workshop on Statistical methods in Epidemiology; Sample size consideration in Epidemiology; and Longitudinal data analysis, 2009, organized by *The Indian Society for Education and Development, Nashik*.
5. 42nd Ten days Teaching Seminar in Cardiovascular Disease Epidemiology and Prevention, organized by **World Heart Federation**, 2009 (Hyderabad).
Fourth Workshop on "Genetic Epidemiological Methods for Dissection of Complex human Traits" TCG-ISI Centre for Population Genomics; Kolkata, India and **University of Pittusburgh**, USA (2009). [Sponsored by India-US Research Training Program in Genetics].
6. Certificate for providing assistance in National Workshop on "Biochemical and Molecular Anthropology" sponsored by DBT-UGC-CPDHE (2003).

➤ **Large Scale Project Management:**

- **Project Management of a Cohort study:** “*Andhra Pradesh Children and Parent Study*” (APCAPS) is a inter-generational, intensively phenotyped epidemiological cohort where we have collected data related to cardio-metabolic and respiratory traits on around 7000 individuals in collaboration with National Institute of Nutrition, Hyderabad, Public Health Foundation of India and London School of Hygiene and Tropical Medicine. This was funded by Wellcome Trust Strategic Award to SANCD-PHFI, New Delhi. I was involved in every aspect of the project right from the required clearances, recruitment of field-workers and managers, their training, field protocol development, purchase of equipments, pilot-work, full implementation, sample transfer, bio-banking, planning for next phases, etc.
- **Project Management of a Consortium:** “*COPD genetics Consortium*” (CgC), is a genetic association based case-control study between six major hospitals located in Delhi, Chandigarh, Rohtak, and Gujarat. This is funded by Department of Biotechnology, Ministry of Science and Technology, to SANCD.