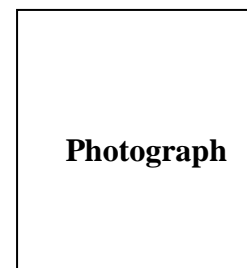


BIO-DATA (Long-Format)
(For uploading on University web site www.punjabiversity.ac.in)
Blank Performa can be downloaded from the University website

1. **Name:** : Akhoury Gourang Kumar Sinha
2. **Designation** : Professor
3. **Department** :Physiotherapy
4. **Date of Birth** : 21-09-1970
5. **Address for Correspondence** : Department of Physiotherapy Punjabi
University Patiala , Punjab



Phones :
Mobile :9417627829
Fax : 0175: 2283073
E-mail :sinha2450007@yahoo.com

- 6 **Areas of Specialisation** :
Sports medicine , Spinal Cord Injury Rehabilitation , Community based rehabilitation , Physiotherapy Education, Locomotor Disability

7. Academic Qualifications:

Sr. no.	Degree Held	Year	Board/Univ./ Inst.
1	Matric	1985	Bihar school examination board, Patna
3	BPT	1993	NIRTAR(Utkal University Bhubaneswar
4	MSPT	1999	Guru Nanak , Dev University , Amritsar
5	PhD	2005	Guru Nanak , Dev University , Amritsar
6	Punjabi preaveshika	2007	Punjabi university ,Patiala

8. Membership of Professional Bodies/Organisations

- i) Life member, Indian Association of Physiotherapist
ii) Life Member, Indian Association of Sports Medicine
iii) Convener, Punjab branch of IAP

9. Medals/Awards/Honours/Received

- **fellowship award of IAP** – the highest award of association for professional upliftment - 2017
- **Physioratan award** conferred at 4th international conference of physical therapy held at AIIMS New Delhi 2015
- **CP Nair oration award of Indian Association of Physiotherapists** for out standing contribution in professional upliftment - 2007
- **India medico award of Indian Association of Physiotherapists -2003**

10. Scholarships:

- i)
ii)

11. Details of Experience:

Designation	Name of employer	Date of joining		Salary with grade	Reason of leaving	Nature of duties
		Joining	Leaving			
Dean Faculty of Medicine	Punjabi University Patiala		Till date	37400-67000 + GP 10000	Current	Administration

Professor	Punjabi University Patiala	14-8-13	Till date	37400-67000 + GP 10000	Current	Teaching , clinical and research
Head department of physiotherapy	Punjabi University Patiala	18-12-09	17-12-12	37400-67000 + GP 9000	Tenure based post	Administration
Associate professor	Punjabi University Patiala	18-12-09	17-12-12	37400-67000 + GP 9000	Tenure based post	Teaching , clinical and research
Reader	Punjabi University Patiala	18-2-06	17-2-2009	12400-420-18300	Promoted	Teaching , clinical and research
Lecturer	Guru Nanak Dev University Amritsar , Punjab	8-7-99	17-9-08 17-12-08	a) 8000- 275-13500 b)10000- 325-13200(from 25-5-2005)	Got a higher position in other University	Teaching , clinical and research
Sr. physiotherapist	Spinal Injury Rehab and Research Center, SMRC, Bhubneshwar Orissa	1-6-95	31-8-97	4000/- consolidated	Higher study	Clinical, CBR
Visiting physiotherapist	Hand & Microsurgery Clinic, 4 kharvel nagar Bhubneshwar Orissa	1-6-95	31-8-97	Fee per case	Higher study	Clinical
Lecturer	Srinivas college of physiotherapy, GHS Road, Manglore , Karnataka	6-5-94	10-5-95	4800/- consolidate	Got a position of my clinical interest	Teaching , clinical

12. Published Work (Please specify numbers only):

- a. Research Papers = 64
- b. Conference/Seminar Presentation =84
- c. Books
 - i) Original : 4
 - ii) Edited : 1

(Please attach the list)

d. Paper Coordinator and content writer for the paper athletic care and rehabilitation: developed 14 teaching Learning modules (4 quadrate) for e pg pathshala project of MHRD

11. R & D Projects

i) UGC Minor research grant – 2013-15 Surveillance Protocol Development and Intensive Physiotherapy for Prevention of Lateral Ankle Sprain in Sports Persons: A Prospective Study

**12. Invited Talks/Articles - >30 to national and international conferences
> 38 lectures at orientation and refresher courses of academic staff colleges**

13. Ph.D. Students guided/under guidance (Details) :

SN	Name of Candidate	Topic	Year of Registration
1	Raju Sharma	A study on the epidemiology of disability in cerebral palsy with special reference to Jalandhar district of Punjab	awarded
2x	Mandeep Kang	Study of the factors determining the physical and socio-economical status of the stroke survivor in Amritsar district of Punjab	2008 (Punjabi university)
3	Sandeep Singh	Study on the effects of some physiotherapeutic methods on alpha motoneuronal excitability in normal and spastic individuals	submitted (Punjabi university)
4	Supreet Bindra	Prevalence and risk factors of low back pain among textile industry workers in Ludhiana district of Punjab	2011 (Punjabi university)
Cogui de 7	A D Gopalswamy	Quality of life and functional performance following multifactorial manual intervention among subjects with chronic degenerative joint disease of the knee joint.	2012(Sri Ramchandra University porur Chennai
8	Viswajeet Trivedy		2013 (Punjabi university , patiala

14. M.Phil./M.Tech Students guided : 53

15. List of Papers/Courses taught at P.G. and U.G. Level

S. No.	Paper	Class
1.	Pathology & microbiology	BPT 2 nd year
2.	Sports Traumatology I	MPT 1 st semester
3.	Sports Traumatology II	MPT 2 nd semester
4.	Management & Educational Methodology in Physiotherapy	MPT 2 nd semester
5	Bioengineering and rehabilitation principles	MPT 4 th semester
6	Research methodology	Pre PhD course work

16. Technical Proficiency

clinical expertise in physiotherapy of sports injuries with special interest in shoulder and spinal injury, research skills in area of sports injury epidemiology and recovery of sports person, expertise in formulating teaching curriculum for physiotherapy and CBR course

**17. List of Papers Published : as per appendix I
(Please attach the list)**

Date: __08/01/2018__

(Signature of the Teacher)

Appendix I

Details of research, publications, and academic body memberships of A.G.K.Sinha

Publications

Book

Books

1. **Sinha A.G . (2001):** *Principles and Practice of Therapeutic Massage*. Jaypee Brothers Medical Publishers Pvt. Ltd., New Delhi –ISBN:81-7179-863-2 (Reviewed in *physical therapy* , the official journal of American Association of Physical Therapy Nov.2002,vol 82 No 82 p 1138)
2. **Sinha A.G. (2010):** *Principles and Practice of Therapeutic Massage. second edition* Jaypee Brothers Medical Publishers Pvt. Ltd., New Delhi –ISBN:9788184488319
3. **Sinha A G K, Kumar M , Singh S(Ed) (2012)** *Physiotherapy in Health Care : Need and The Reality* . Publication Bureau Punjabi University Patiala ISBN : **9788130201337**;
4. **Sinha A.G.,** Tripathi S , Sharma R.(**2012**) *Orthoses, Prosthesis and Assistive Devices for Physiotherapists*. Jaypee Brothers Medical Publishers Pvt. Ltd., New Delhi ISBN : 978-93-5025-898-9;
5. **Sinha A G (2017) .** *Physiotherapy Ek Parichay* (In Hindi) . Gracious books Patiala ISBN 9789385670855

Research Papers

1. Sinha A.G., Kang G.S., Sandhu J.S. (1999) Prevalence of Shoulder Impingement Syndrome: A Cross-Sectional Study of Male Cricket Players. *J. Sports Traumatol. Allied Sports Sci.* 1:48-58.(1999)
2. Parveen Kumar K., Kang G.S., Sandhu J.S., **Sinha A.G.** (2000) A study on the assessment and management of proprioceptive deficits following sprains of lateral collateral ligament of ankle. *SAI Scientific Journal* 23 (2): 22 – 28 (2000)
3. **Sinha A.G.,** Kang G.S., Sandhu J.S. (2000) A Study on the association of some extrinsic risk factors, with the shoulder impingement syndrome in male overhead athletes. *SAI Scientific Journal* 23 (2): 38 – 44 .(2000)
4. **Sinha A.G.,** Singh J., Kang G.S., Sandhu J.S.(2000) Range of motion alteration and its relation with wrist pain in elite weight lifters. *J. Sports Traumatol. Allied Sports Sci.* 2:37 - 41 (2000).
5. Dave R., Shenoy S., Sandhu J.S., Gupta S., **Sinha A.G.** (2001) Effect of Submaximal Exercises on Biochemical Parameters. *J. Sports Traumatol. Allied Sports Sci.* 3:86 – 93 (2001).
6. Singh A, Sethy GB, Sandhu JS, **Sinha AG.** (2002) : A comparative study of the efficacy of iontophoresis and phonophoresis on the treatment of shin splint . *Physiotherapy* Vol. 2002-03 Issue I, pp. 17– 20 (2002).
7. **Sinha A.G.,** Sandhu J.S. (2002) : A study on the Association of some Intrinsic Risk Factors with the Shoulder Impingement Syndrome among Male Indian Overhead Athletes, *Physiotherapy* Vol. 2001-02 Issue II, pp. 20 – 24 (2002).
8. **Sinha AG** (2003) : Method of developing cardiopulmonary endurance. *Genesis.: a physiotherapy periodical*, vol. I APRIL,22-26 (2003)
9. **Sinha AG,** Sandhu JS (2004) : Influence of massage on recovery from high intensity intermittent running . . *J. Sports Traumatol. Allied Sports Sci.* 5 &6:27-32(2003-2004).
10. **Sinha AG,** Sandhu JS (2005) ; Effect of electrical muscle stimulation on blood lactate removal. *physiotherapy* ,March , 21-23. (2005)
11. Bindal VD, **Sinha AG.** (2006) A study on the effect of addition of Diapulse to the RICE protocol in the treatment of acute ankle sprain. *Bangladesh Journal of Sports Sciences* vol.6,No 2 94-102 (2006)
12. Gauri shankar , **Sinha AG,** Sandhu JS. (2006) Efficacy of pulsed ultra sound in the treatment of delayed onset muscle soreness.*OJHAS*, (2006)
13. Bansal S, Sinha A.G. Sandhu JS (2007) Shoulder Impingement Syndrome Among Competitive Swimmers In India— Prevalence, Evaluation And Risk Factors, *Journal of Exercise Science & Fitness*, 01 December 2007, vol./is. 5/2(102-108), 1728869X (2007)
14. Kaur Damanpreet , **Sinha AG.** Sandhu JS. (2007) Test retest reliability of a low cost method of shoulder rotator muscle strength measurement. *Physiotherapy* vol. 3 issue 1 April 28-33 .(2007)
15. Shori Gaurav Sandhu Jaspal S, **Sinha A.G.K** (2007) Effect of Repeated Sauna Bathing on Body Weight, Rectal Temperature and Body Composition. *Journal of Research and Education in Indian Medicine.* 2007; 13(1)- 50-53, Banaras Hindu University
16. **Sinha AG** (2007) Physiotherapy from evolution to advancement: with special reference to movement disorder. *International Journal of Physiotherapy .volume 1 , issue 1 may 3-14 . (2007)*
17. **Sinha AG.** (2007) Role of physiotherapy in facilitating blood lactate recovery following exhaustive exercises . *Physiotherapy* April 2007 vol 3 issue 1 pp-9-19 .(2007)
18. **Sinha A.G(2008)** Problems and Prospects of Physiotherapy Education in India . *University News* ,2008 ; 46(11)March , 17-23, 5-11 (2008)
19. **Sinha A.G. (2008)** Is Active Recovery As Important As Often Presumed: A Review of Current Evidences. *Journal Of Sports And Sports Sciences* 2008 ,Vol 31, No 2 , 5-19 (2008)
20. Bindra S , **Sinha A G (2010)** A study on the statistical tools used to assess hip joint function after arthroplasty. Proceedings of national seminar on role of statistics in physiotherapy sponsored by UGC and organized by layllapur khalsa college jalandhar on 25-27 November 2010 pp 247-254 , (2010)
21. **Sinha A G ,** Bindra S (2010) Importance of research in physical therapy . proceedings of national seminar on role of statistics in physiotherapy sponsored by UGC and organized by lyllaour khalsa college Jalandhar on 25-27 November 2010 pp 4-8 2010 (2010)
22. **Sinha A.G (2010)** Physiotherapy in sports : prospects and challenges in the Indian context .*physiotimes* ISSN No :0976-1993, 4-11 May 2010 (**2010**)
23. **Sinha A G (2011)** Increasing qualification reducing pay the saga of Indian physiotherapists , *physiotimes* ISSN No :0976-1993, May 2011 4-11, (**2011**)
24. **Sinha A G (2011)** Role of physiotherapy in health care delivery the need and the reality. *physiotimes* ISSN No :0976-1993, May 2011 4-11 (**2011**)
25. **Sinha A G(2011)** continuous professional education : catering the educational need of professionals . *physiotimes* ISSN Sep 2011 No :0976-1993, 25-27, (**2011**)

26. Atwal Isha, **A G Sinha (2012)** Role of physiotherapy in facilitating the recovery of sports person. . In *Physiotherapy in Health Care : Need and The Reality* (Ed) Sinha A G K, Kumar M , Singh S, publication bureau Punjabi university Patiala ISBN : 9788130201337 , 2012 pp 132-137, (2012)
27. Atwal Isha, **Sinha A G K.**(2012) Prevalence and risk factors of low back pain among female athlete. *International journal of fitness and exercise sciences.* 2012 Pp 6-16 , , ISBN 978-91-302-0141-2 (2012)
28. Bindra Supreet, **A G Sinha (2012)** Awareness & attitude of medical practitioners towards physical therapy in Punjab. In *Physiotherapy in Health Care : Need and The Reality* (Ed) Sinha A G K, Kumar M , Singh S, publication bureau Punjabi university Patiala ISBN : 9788130201337 2012, pp 233-243, (2012)
29. Karthikeyan G, **Sinha AG,** Sandhu J S(**2012**) Effect of Wheelchair Running on Recovery of Blood Lactate and Physical performance after high intensity intermittent exercise – an experimental trial . *Online J Health Allied Scs.* 2012;11(1):9. <http://www.ojhas.org/issue41/2012-1-9.htm>.
30. Kaur satnam, **Sinha AGK (2012)** Prevalence and associated risk factors of wrist pain in Indian gymnasts. *Sports Research,* 2012, Vol.1, No 1 pp 19-32. 2012 (RNI title code PUNENGO 1366, published by sports authority of India NS NIS Patiala) (2012)
31. kumar Ajit , Gautam la,, **A.G.Sinha (2012)** physiotherapy services in jharkhand : need and the reality . In *Physiotherapy in Health Care : Need and The Reality* (Ed) Sinha A G K, Kumar M , Singh S, publication bureau Punjabi university Patiala ISBN : 9788130201337 , 2012 pp 252-257, (2012)
32. Ralmila Ravinder Kaur, **A G Sinha (2012)** Role of physiotherapy in low back pain. In *Physiotherapy in Health Care : Need and The Reality* (Ed) Sinha A G K, Kumar M , Singh S, publication bureau Punjabi university Patiala ISBN : 9788130201337 , 2012 pp 92-97, (2012)
33. **Sinha A G(2012)** Pay commission and physiotherapists: justice or death? In *Physiotherapy in Health Care : Need and The Reality* (Ed) Sinha A G K, Kumar M , Singh S, publication bureau Punjabi university Patiala ISBN : 9788130201337; 2012. , pp262-269, (2012)
34. **Sinha A G(2012)** Physiotherapy needs protection under law. In *Physiotherapy in Health Care : Need and The Reality* (Ed) Sinha A G K, Kumar M , Singh S, publication bureau Punjabi university Patiala ISBN : 9788130201337 , 2012 pp 55-64, (2012)
35. **Sinha AGK.** Divya Dhamija , Supreet Bindra (2012) Effect of physiotherapy on quality of life of post stroke survivors (2012). *Baba farid university physiotherapy journal .* 2012 vol.1, no1 oct-dec; 58-63. .ISSN No – 2277-9418 (2012)
36. Sharma R, Purohit AK, Rajindera Kumar E, Perssona S, **Sinha AGK,** Tripathy SK (2012) Epidemiology of Cerebral Palsy in Jalandhar. *Indian Journal of Physiotherapy & Occupational Therapy Letter* ISSN 0973-5666 July-Sept., 2012., Vol. 6, No. 3 pp 219-222, (2012)
37. **Sinha A G (2012)** Implications of NCHRH bill 2011 on physiotherapy profession. *physiotimes* ISSN No :0976-1993, nov 2012, vol 4 issue 3 , , pp 54-57 (2012)
38. Bindra S , **Sinha AGK** Benjamin AI (**2013**) Review Article: Kuppuswami's Socioeconomic Status Scale: Economic Revision For 2012. *Journal of Advance Researches in Biological Sciences,* 2013, Vol. 5 (3) 320-322 (2013)
39. Bindra S , **Sinha AGK(2013)** Physical Therapy Interventions in Back Pain Management: What Does evidence say? *Hum Bio Rev* 2(3), 282-293. 2013. (2013)
40. Bindra S, **Sinha A G ,** Benjamin AI.(2013) Questionnaire for low back pain in the garment industry workers. *Indian J Occup Environ Med* 2013;17:48-57 (2013)
41. Karthikeyan G, **Sinha AG,** Sandhu JS (2013) *Effect of Active Arm Exercise and Passive Recovery in Physiological Parameters, Perceived Exertion and Subsequent Performance after High-Intensity Intermittent Exercises.* *BIOLOGY OF EXERCISE;* 2013- 9 (1): 9-23, D.O.I: <http://doi.org/10.4127/jbe.2013.0062> issn number 17911325x (2013)
42. Sethy GB , **Sinha AGK** (2013) Injury pattern in Indian elite men field hockey players – pre Olympic 2012 . *Sports research.* Vol 2 no 4 oct December 2013 pp 33- 42 ISSN 23216557
43. **Sinha A G K** (2013) Disability and Women: Multiplication of Factors in Ensuring Poor Quality of Life. .proceedings of 4th International Conference on Women, Peace and Security pp 515-325 ISBN 978-81-302-0240-2 available at <http://www.wscpedia.org/images/stories/food/contents.pdf>
44. **Sinha AG K .** (2013) Role of physiotherapy in recovery following exhaustive exercises. *Sports research* April 2013 vol.2 no.2 ISBN 23216557 (2013)
45. **Sinha AGK,** Dhamija Divya, Bindra Supreet. (2013) Functional Status and Disability in Stroke Survivors of North India . *Indian Journal of Physiotherapy and Occupational Therapy - An International Journal .* Volume : 7, Issue : 3 pp- 240-244) Print ISSN : 0973-5666. Online ISSN : 0973-5674, 2013 (2013)
46. **Sinha AGK,** Mangotra E, Kaur P (2013) Effect of electrical stimulation on quadriceps muscle strength and vertical jump height in novice basketball players . *Deol NS (Ed) Futuristic trends in physical education 2013 vol-III* pp 407-411, ISBN 9789380144719 , (2013)
47. **Sinha AGK,** Sharma RK(2013) Establishing mechanism of early identification and timely intervention in Punjabi university Patiala : our experience. In *Deol NS (Ed) Futuristic trends in physical education 2013 vol-II* pp 191-200, ISBN 9789380144634 , (2013)
48. Sharma R, **Sinha A G K (2014)** A study on the awareness, beliefs, and service utilization among families of children with cerebral palsy in Jalandhar District of Punjab. *CHRISMED J Health Res* 2014;1:170-5. **DOI:** 10.4103/2348-3334.138886 www.cjhr.org
49. Kaur H, Bindra S, **Sinha A G K (2014)** Epidemiological Features of Low Back Pain in Bank Employees of North India. *International Journal of Health and Rehabilitation Sciences;* March 2014, Volume 3 Issue 1: 30-38 (2014)
50. Singh N , Deol NS, **Sinha AGK(2014)** Comparison of Physical Fitness Variables between Injured and Non Injured Athletes. *International Journal of Behavioral Social and Movement Sciences* (Issn: 2277-7547). Vol.03, April 2014, Issue02; 21-30
51. Singh S and **Sinha AGK.** (2014) Comparison of Effect of Six Minutes of Effleurage and Kneading Massage on Alpha Motoneuronal Excitability in Normal Healthy Individuals. *Human Biology Review,* 3 (4), 275-281.
52. Bindra S, **Sinha AGK,** Benjamin AI (2015) Epidemiology of low back pain in Indian population: a review. *International Journal of Basic and Applied Medical Sciences (Online)*Vol. 5 (1) January-April, pp. 166-179 ISSN: 2277-2103 Available at <http://www.cibtech.org/jms.htm>
53. Japneet Kaur , **A G K Sinha .**(2015) Prevalence of Ankle Sprain and Service Utilization among Players of Punjab. *International Journal of Therapies and Rehabilitation Research* 2015; 4 (1): 16-24 [E-ISSN: 2278-0343] <http://www.scopemed.org/?jid=12> IJTRR 2015, 4: 1 I doi: 10.5455/ijtrr.00000044
54. Jyotsana Mehta, **Sinha AGK** (2015) Prevalence of Functional Ankle Instability and Its Association with risk factors In Basketball Players of Punjab. *International Journal of Physical Education, Sports and Health* 1(6): 03-07. P-ISSN: 2394-1685; E-ISSN: 2394-1693

55. Raju Sharma, AGK Sinha (2015) Physical profile of children with cerebral palsy in Jalandhar district of Punjab India. INDIAN J CEREB PALSYS Jan-Jun 2015 | Vol 1 | Issue 1 9-20 ; <http://www.ijcpjournal.org/text.asp?2015/1/1/9/153557>
56. Singh S, Sinha A GK (2015) Cold Induced Modulation of Motoneuronal Excitability in Spastics. International Journal of Therapies and Rehabilitation Research IJTRR. 2015; 4(4): 172-176 doi: [10.5455/ijtrr.00000085](https://doi.org/10.5455/ijtrr.00000085)
57. Sharma R, Sinha AG (2016) Impact of physiotherapy service utilization on physical and functional status of children with cerebral palsy in Jalandhar, Punjab, India. CHRISMED J Health Res 2016;3:173-80.
58. Choudhary N, Trivedi V, Sinha AGK (2017) Effect of multi-muscle transcutaneous electric stimulation on body composition of overweight females. Int J Health Sci Res. 2017; 7(1):138-145.
59. Jasleen Kaur Grover , Akhoury Gourang Kumar Sinha (2017) Prevalence of Shoulder Pain in Competitive Archery Asian J Sports Med. In Press (In Press):e40971. Published online 2017 January 8. doi: 10.5812/asjrm.40971
60. Ralmila, R. K. Sinha, A. G. K. (2017) Prevalence and associated risk factors of low back pain among employees of Punjabi University, Patiala. International Journal of Therapies and Rehabilitation Research, 6 (1), 83-90. [doi:10.5455/ijtrr.ijtrr.000000225](https://doi.org/10.5455/ijtrr.ijtrr.000000225)
61. Supreet Bindra, Sinha, A. G. K. , Al Benjamin (2017) Prevalence and risk factors of low back pain in garment industry workers of North India, International Journal of Current Research 09, (02), 46837-46845
62. Sinha AG. Direction of literature creation for Indian Physiotherapy. Physiother - J Indian Assoc Physiother 2017;11:1-3.
63. Sharma U, Sinha AG. Comparison of effectiveness of kinesio taping with nonelastic taping and no taping in players with acute shin splints. Physiother - J Indian Assoc Physiother [serial online] 2017 [cited 2017 Aug 23];11:21-9. Available from: <http://www.pjiap.org/text.asp?2017/11/1/21/213278>
64. Sinha AG, Sharma R. Factors influencing utilization of physiotherapy service among children with cerebral palsy in Jalandhar District of Punjab. J Neurosci Rural Pract [serial online] 2017 [cited 2017 Aug 23];8:209-15. Available from: <http://www.ruralneuropractice.com/text.asp?2017/8/2/209/203852>

Article published

1. Sinha AG : Cerebral palsy : samasya aur samadhan . PTImag (Hindhi feature service of Press Trust of India) ,pp 12-14 issue 46 , year 6 , nov 14-19 , 1999
2. Sinha AG : Lakwa kya iska illage sambhav hai . PTImag (Hindhi feature service of Press Trust of India) ,pp 12-14 issue 57 , year 7 , feb 12-17 , 2000
3. Sinha AG: Patello-femoral pain syndrome : implication of pathomechanics on physiotherapy . Proceedings of 1st annual conference of Punjab branch of indian association of physiotherapists 2002
4. Sinha AG : Trends in spinal cord injury management . proceedings of 1st multy speciality world conference on spinal care Indore , 2004

Epg pathshala project of MHRD (2016) :

Paper Coordinator for the paper athletic care and rehabilitation: 14 teaching Learning modules (4 quadrate) developed as content writer available at : epgp.inflibnet.ac.in/ahl.php?csno=834

1. Diathermy
2. Conductive thermal modalities
3. Ultra sound
4. Neuromuscular electrical stimulation
5. Introduction and classification of therapeutic exercise
6. Effects and uses of therapeutic exercise
7. Introduction to massage therapy
8. Techniques of massage
9. Effects of massage
10. Use and contraindications of massage
11. principles of safety education
12. Meaning and concept of rehabilitation
13. Principles of athletic care and rehabilitation
14. Introduction to therapeutic modalities

Invited talks

1. Resource Person for International Federation of Sports Medicine Team Physician Development Course and Sports Rehabilitation Course for Silver Jubilee Congress of Indian Association of Sports Medicine-2003
2. Invited lecture on Physiotherapy management of hemiplegia at Deptt of Medicine Govt. Medical College Amritsar
3. Invited lecture on Shoulder impingement syndrome at Annual Conference of West Bengal Branch of IAP
4. Invited talk on Recent trends in spinal cord injury management 1st World Conference on Spinal Care at Indore

5. Invited talk on evolution of physiotherapy at Guru Jambheshwar University Hisar
6. Invited talk on Physiotherapy from inception to advancement 4th Annual Conference of Physio occupational therapy Association of Uttar Pradesh
7. Invited speaker for debate on “inclusion of physiotherapy in national paramedical council” 43rd Annual Conference of IAP at Hyderabad
8. Invited talk on shoulder impingement syndrome at National symposium on “recent trends in sports injury at jamia millia islamia march 2009
9. Guest speaker at the annual national conference and work shop physical therapy 2010 at AIIMS new Delhi and delivered a talk on the topic of sports injury management challenges in Indian context on 7 Jan 2010
10. invited talk on the topic of “ core stabilization” at Annual meeting of Jharkhand branch of IAP at Ranchi , Jharkhand on 17-june 2010
11. an invited talk on the topic of " shoulder impingement syndrome : consideration of physiotherapists at Common Wealth Sports Physiotherapy Workshop organized by NS National Institute of Sports PATIALA on **27 august 2010**
12. invited lecture on the topic of “spinal cord injury – physiotherapeutic approach “ at Gain Sagar Physiocon – 2010, Carnival of Physios...., Organized by the Gain Sagar College of Physiotherapy, Banur, Punjab on the Occasion of World Physiotherapy Day 8th- September 2010
13. an invited talk on the topic of “ concept and application of eccentric exercises “ at a National Seminar on Sports Physiotherapy organized by department of physiotherapy and rehabilitation sciences of Jamia Millia Islamia the central university , New Delhi on 17th September 2010
14. Invited lecture “Importance of research in physiotherapy” respectively at a National Seminar on role of statistics in physiotherapy organized by Lyallpur Khalsa College Jalandhar , Punjab on 25-27 November 2010
15. Invited lecture role of micro implants in physiotherapy at national seminar on body planted microsystem technology dehradoun organized by Uttaranchal college of technology and biomedical sciences sewla khurd saharanpur road deharadoun on 9th April 2011
16. Invited lecture physiotherapy past present and future Department of physiotherapy PGIMER chandigarh 8th September 2011
17. Invited lecture role of physiotherapy in recovery of sports person , international conference of physical therapy (INCPT) AIIMS delhi 2011 ON 6th novemebr 2011
18. Invited lecture physiotherapy for recovery of sports person , at 33rd Indian association of sports medicine congress at PGIMER chandigarh on nov 19-20 2011
19. Invited lecture on research in physiotherapy at iap chandigarh branch conference December 2011
20. Invited lecture on movement for professional autonomy at 10th annual conference of WB IAP branch at kolkata 4th fab 2012
21. Keynote speech on injury management need for integrated approach at ist national conference on sports sciences and sports physiotherapy organised by directorate of sports Punjab university chandigarh on 3rd march 2012
22. Invited lecture on job prospects for physiotherapy at ugc sponsored seminar at government Nehru memorial college manasa on 13march 2012 (talk was entirely in Punjabi)
23. Keynote lecture on professionalism elements and intricacies : implications for physiotherapists at 50th national conference of Indian association of physiotherapists at sirifort auditorium New Delhi on 18th march 2012
24. Invited lecture on “recent trends in management of low back pain” at a national seminar on low back pain organized by department of physiotherapy PGIMER chandigarh ,8th septembur 2012
25. Invited lecture on “creation of scientific literature” at national conference on physiotherapy organized by chandigarh branch of IAP , 8th December 2012
26. Invited lecture on “recent trends in management of spinal cord injury” at national physiotherapy update organized by KEL university Belgam Karnataka , 15th December 2012
27. Invited lecture on “bladder bowel management in spinal cord injury” at national physiotherapy update organized by KEL university Belgam Karnataka , 15th December 2012
28. Invited talk on overuse injuries in sports management and challenges at AIIMS physiotherapy conference 2013 at AIIMS auditorium on 19th Jan 2013 .
29. two invited talk on” research perspective for physiotherapy “and “use of orthoses for increasing range of motion” at symposium organized by Mother Teresa Saket college of physiotherapy Panchkulla, Haryana on 27th and 28th April 2013
30. Invited talk on “role of physiotherapy in CBR of SCI” at national conference on Spinal Cord Injury organized by NIOH kolkata at SCOPE complex New Delhi on 25-26 nov 2013.
31. Principles of management of soft tissue injury 2nd Annual National Physiotherapy Conference & Workshops (PHYSIOCON 2014) held in I.T.S Campus, Muradnagar,Ghaziabad from 29th Oct to 1st Nov. 2014
32. Invited talk on management of soft tissue injury at State conference of bihar branch of IAP held in Muzaffarpur on 28 fab – 1str march 2015
33. Invited talks on physiotherapy professional issue , shoulder impingement syndrome at workshop for Indian railway physiotherapists organized by Varanasi railway physiotherapists association at Varanasi, UP on 10-4-15
34. Invited talks on overuse injuries in sports at intrnational conference of physical therapy held at conference physiotherapy AIIMS New Delhi on 28-29 Nov 2015
35. Invited talk on physiotherapy research paradigm in public health research at chapcon 2015 organized by --- --- --- Anand Gujrat on 18-12-15
36. Invited talk on role of physiotherapy in prevention of sports injury at national conference 5th at AIIMS new Delhi on 6th November 2016
37. Invited talk on role of physiotherapy in prevention of sports injury at annual conference of IAP at Ranchi, Jharkhand on 2 to 6 February 2017

Lectures delivered at UGC Academic Staff College : 35 LECTURE SINCE 2009 DEATILS AS BELOW

	DATE	ASC	TPOIC	COURSE
1.	17-3-2009	Kurukshttra University	Massage: an introduction	Refresher course on physical education
2.	2009	Kurukshttra University	Sports injury prevention and management	Refresher course on physical education

3.	20-1-10	Punjabi university Patiala	Disability an introduction	3 rd orientation course
4.	2-7-11	Punjabi university Patiala	Injury management process and challenges	Refresher course in physical education
5.	2-7-11	Punjabi university Patiala	Role of physiotherapy in recovery	Refresher course in physical education
6.	24-9-11	Punjabi university Patiala	Disability an introduction	9 th orientation course
7.	9-05-2011	Punjabi university Patiala	Pain: understanding its management	12 th orientation course
8.	1-12-2012	Punjabi university Patiala	Elements of scientific literature creation	28 th refresher course in research methodology
9.	22-08-12	Punjabi university Patiala	Disability: a conceptual orientation ;	13 th orientation course
10.	9-5-2012	Punjabi university Patiala	Pain: understanding its management	12 th orientation
11.	9-10-2012	Punjabi university Patiala	A conceptual introduction to disability	14 th orientation
12.	7-02-12	Punjabi university Patiala	Introduction to disability : key issues	11 th orientation course
13.	2-8-2013	Punjabi university Patiala	Disability	17 th orientation
14.	12-12-2013	Punjabi university Patiala	Glimps of a different world : introduction to disability	Winter school course
15.	13-12-13	Punjabi university Patiala	Glimps of a different world: disability	39 th refreshers course in education , library and information sciences
16.	2-07-2014	Punjabi university Patiala	Disability	22 nd orientation
17.	14-5-2014	Punjabi university Patiala	Relevance of research to society with reference to health sciences	Summer school course
18.	13-09-2014	Punjabi university Patiala	Models of disability	45 th refresher course in social sciences
19.	29-11-2014	Punjabi university Patiala	Models of disability	Winter school course
20.	12-4-2014	Punjabi university Patiala	Glimps of a different world	20 th orientation
21.	12-12-2014	PUP	Glimpse of a different world	23 rd orientation
22.	24-2-2015	Punjabi university Patiala	Understanding of spinal pain	49 th refresher course in environmental studies
23.	16-3-15	kurukshetra university	sports injury prevention	refresher course in physical education
24.	4-5-2015	Punjabi university Patiala	Models of disablement	24 th orientation
25.	13-5-2015	Punjabi university Patiala	Models of disability	25 th orientation programme
26.	7-7-2015	Punjabi university Patiala	Spinal pain an environmental disease	2 nd summer school course
27.	8-7-2015	Punjabi university Patiala	Disability : an introduction	26 th orientation
28.	9-10-2015	Punjabi university Patiala	Models of disability	27 th orientation
29.	11-12-2015	Punjabi university Patiala	Disability issues in higher education	54 th refresher course in teachers educators
30.	2-12-2016	PUP Patiala	IT and disability	57 th refresher course in information technology
31.	30-4-2016	PUP Patiala	Models of disability	28 th ORIENTATION COURSE

32.	21-5-2016	Punjabi university Patiala	Models of disability	29th orientation programme
33.	16-7-2016	Punjabi university Patiala	Models of disability	30th orientation
34.	22-11-16	PUP Patiala	UNDERSTANING BACK PAIN	31ST ORIENTATION COURSE
35.	12-1-2017	PUP Patiala	SPORTS INJURY MANAGEMNT and need of integral effort	59TH REFRESHER COURSE IN PHYSICAL EDUCATION AND SPORTS SCIENCES
36.				

Work Shop Conducted

1. One day Workshop On sports physiotherapy , Kolkata 2001
2. Two day Workshop On manual massage , Manglore 2003
3. One day Workshop On bladder bowel rehabilitation in spinal cord injured , Indore 2004
4. One day Workshop On rehabilitation of SCI – G.J.University Hisar –2005
5. One day Workshop On hand physiotherapy- UGC sponsored organised by lylapur college jalandhar -2005
6. Two day Workshop On bladder bowel rehab in SCI – regional spinal injury center SCB medical college cuttack – 2005
7. One day Workshop On rehabilitation of SCI -DAV institute of physiotherapy jalandhar 2007
8. Two day Workshop On spinal cord injury rehabilitation at combined institute of medical sciences dehradoun 2007
9. Two day Workshop On sports physiotherapy at varanasi organised by varanasi association of physiotherapy oct 2009
10. One day Workshop On spinal cord injury rehabilitation at TDTR DAV institute of physiotherapy and rehabilitation Yamuna Nagar 27-28 march 2010 .
11. Two day workshop on “ sports physiotherapy concepts and techniques “ at Bhubaneswar organized by chakradhar college of physiotherapy and rehabilitation sciences Bhubaneswar on 24-25th October 2011
12. One day Workshop on “overuse injuries : methods and challenges of physiotherapy” at NSG kar medical college kolkata organized by WB branch of IAP on 3rd Feb. 2012 .
13. Two day Workshop on “research methodology: issues and practice “ at NIOH kolkatta on 14th -15th july 2012.
14. ONE DAY WORKSHOP on sports physiotherapy at pgi hospital and medical college kolkatta 17th august 2014
15. two day workshop on research methodology issues and practices at up rural institute of medical sciences and research saifai itawah up - 8-5-2015 to 9-5-2015

Paper Presentations

1. **Sinha A.G.:** Developing a pressure testing method in seated subjects using Sphygmomanometer. 35th National Annual Conference of Indian Association of Physiotherapists, Calcutta – 1997
2. Hans A., Hans A., **Sinha A.G. :** CBR of spinal cord injured : Our experience Poster presentation. 31st Annual meet of the International Medical Society of Paraplegia, Austria – 1997
3. **Sinha A.G.,** Kang G.S., Sandhu J.S.: Effect of Cool down Exercises on The Flexibility of Thoraco-Lumbar Spine in Elite Male Weight Lifters. 37th. Annual Conference of Indian Association of Physiotherapists, Chennai – 1999
4. **Sinha A.G.,** Kang G.S., Sandhu J.S.: Relationship of wrist flexibility to wrist pain in elite weight lifters. 37th Annual Conference of Indian Association of Physiotherapists, Chennai – 1999
5. **Sinha A.G.,** Kang G.S., Sandhu J.S.: Association of some intrinsic risk factors with shoulder impingement syndrome: A cross sectional study of Indian male overhead athletes. 38th Annual Conference of Indian Association of physiotherapists, Mangalore – 2000
6. Bansal S.K., **Sinha A.G.,** Kang G.S.: Comparison of the efficacy of supervised physiotherapy and un-supervised home exercise program in the treatment of frozen shoulder: A blind clinical trial. 39th Annual Conference of Indian Association of Physiotherapists, Delhi – 2001
7. Dave R., Sandhu J.S., Sinha A.G.: Blood biochemical alteration in elite athletes after 30 minutes of submaximal exercise and after 30 minutes of rest period. 39th Annual Conference of Indian Association of Physiotherapists, Delhi – 2001
8. Sethy G.B., **Sinha A.G.,** Sandhu J.S.: Comparative study of iontophoresis and phonophoresis in the treatment of shin splint syndrome. 39th Annual Conference of Indian Association of Physiotherapists, Delhi – 2001
9. Aggarwal A., Sandhu J.S., Kang G.S., **Sinha A.G.:** Efficacy of ultrasound and phonophoresis in the treatment of common soft tissue injuries in athletes: a double blinded randomized clinical trial. 39th Annual Conference of Indian Association of Physiotherapists, Delhi – 2001
10. Jerath R., Kang G.S., **Sinha A.G.,** Sandhu J.S.: A comparative study of the effectiveness of galvanic skin resistance (GSR) biofeedback, deep breathing exercises & shavasana to achieve relaxation. 39th Annual Conference of Indian Association of Physiotherapists, Delhi – 2001
11. Sharma A.L., Kang G.S., **Sinha A.G.,** Bhise A, Chouhan M: Comparison of vastus medialis activation in various therapeutic exercises used in knee rehabilitation. 39th Annual Conference of Indian Association of Physiotherapists, Delhi – 2001
12. Dimri A, Shenoy S, Sandhu J.S., **Sinha A.G.:** A study of risk factors associated with recurrent lateral ankle sprain in runner and jumper. Indian Sports Medicine Congress at New Delhi – 2001
13. Mathur A., **Sinha A.G.,** Singh A., Sandhu J.S.: The Prevalence and risk factors of low back pain among four spinal loading games: Weightlifting, Gymnastics, Cricket & Hockey. Indian Sports Medicine Congress at New Delhi – 2001

14. Aggarwal A., Kang G.S., **Sinha A.G.**, Sandhu J.S.: Comparative study of ultrasound v/s phonophoresis in the treatment of common soft tissue conditions. Indian Sports Medicine Congress at New Delhi – 2001
15. Sethy G.B., Singh A., Sandhu J.S., **Sinha A.G.**: A comparative study of iontophoresis and phonophoresis in the treatment of shin splints. Indian Sports Medicine Congress at New Delhi – 2001
16. Prasad A., Kang G.S., **Sinha A.G.**, Sandhu J.S.: Effects of PNF stretching vs. PNF stretching combined with ultrasound on the extensibility changes of hamstring muscles. Indian Sports Medicine Congress at New Delhi – 2001
17. Sharma A.L., Kang G.S., **Sinha A.G.**, Sandhu J.S.: Comparison of vastus medialis activation in various isometric and isotonic exercises used in knee rehabilitation: An EMG study. Indian Sports Medicine Congress at New Delhi – 2001
18. Dave R., Shenoy S., Sandhu J.S., Gupta S., **Sinha A.G.**: Effect of submaximal exercise on blood biochemical parameters. Indian Sports Medicine Congress at New Delhi – 2001
19. Gadru R., **Sinha A.G.**, Sandhu J.S.: A comparative study on the efficacy of anterior thigh stretching and posterior thigh stretching on passive straight leg raise. Indian Sports Medicine Congress at New Delhi – 2001
20. Kumar A., **Sinha A.G.**, Sandhu J.S.: Measurement of efficacy of shoe modification. The methodological aspects. 1st Annual Conference of the Punjab Branch of Indian Association of Physiotherapists at Jalandhar – 2002
21. Ganesh V.M, **Sinha A.G.**, Sandhu J.S.: The incidence of hyperpronated foot among runners and its relationship with injuries – A cross sectional study. 1st Annual Conference of the Punjab Branch of Indian Association of Physiotherapists at Jalandhar – 2002
22. Ram Prasad, **Sinha A.G.**, Sandhu J.S.: Lumbar spinal segmental stabilization deficit (motor control deficit) in low back pain. 1st Annual Conference of the Punjab Branch of Indian Association of Physiotherapists at Jalandhar – 2002
23. Ganesh V.M, **Sinha A.G.**, Sandhu J.S.: Prevalence of Hyperpronated Foot among Runners – A Pilot Study. 40th Annual Conference of the Indian Association of Physiotherapists held at Indore – 2002
24. Kumar A., **Sinha A.G.**, Sandhu J.S.: Study of the Variations in Forces acting on the Foot induced by Medial Arch Support and Metatarsal Bar. 40th Annual Conference of the Indian Association of Physiotherapists held at Indore – 2002
25. Kumar A., **Sinha A.G.**, Sandhu J.S.: Study of variations in forces acting on the foot induced by Medial Arch Support and Metatarsal Bar. Indian Association of Sports Medicine Congress (IASMCON) at Patna – 2002
26. Ram Prasad, **Sinha A.G.**, Sandhu J.S.: Cryotherapy induced variations in isometric strength of normal quadriceps femoris. Indian Association of Sports Medicine Congress (IASMCON) at Patna – 2002
27. Ganesh V.M, **Sinha A.G.**, Sandhu J.S.: Hyperpronated foot and its relationship with forces during running. Indian Association of Sports Medicine Congress (IASMCON) at Patna – 2002
28. Ramprasad M, **AGK sinha**, Jaspal S Sandhu. "Lumbo Pelvic Stabilization Control Deficit during Load Transfer in Low Back Pain Troubles" in 41st Annual Indian Association of Physiotherapists in Mumbai at Feb 2003
29. Ravichandra RS, **Sinha AG**, Sandhu JS : The efficacy of manual massage as a recovery mode after high intensity intermittent exercise . 24th annual Indian Association of Sports Medicine Congress (IASMCON) at Varanasi – 2003
30. Kiran D, **Sinha AG**, Sandhu JS: A study on the effectiveness of underwater massage in recovery after intermittent high intensity exercise. 24th annual Indian Association of Sports Medicine Congress (IASMCON) at Varanasi – 2003
31. Ravichandra RS, **Sinha AG**, Sandhu JS : The efficacy of manual massage as a recovery mode after a high intensity intermittent exercise . The silver jubilee congress of Indian Association of Sports Medicine at Amritsar – 2003
32. Kiran D, **SinhaAG**, Sandhu JS : A study on physiological and psychological effects of underwater massage . The silver jubilee congress of Indian Association of Sports Medicine at Amritsar – 2003
33. Singh M, **Sinha AG**, Sandhu JS : A survey of the hamstring length among adolescent rural population of Punjab . The silver jubilee congress of Indian Association of Sports Medicine at Amritsar – 2003
34. Ramesh G, **Sinha AG**, Sandhu JS: The efficacy of saunabath on recovery from high intensity intermittent exercise . The silver jubilee congress of Indian Association of Sports Medicine at Amritsar – 2003
35. Karthikeyan G, Saju Joseph, **AGK Sinha**, Jaspal S Sandhu. "Physical Therapy Treatment of Patellar Tendinitis: Effect of Phonophoresis Combined with Eccentric Exercise" – in Silver Jubilee Conference of Indian Association of Sports Medicine held at Amritsar., 2003,
36. Ramprasad M, **AGK sinha**, Jaspal S Sandhu. "Deep Abdominal Partial Corset Action (Transverses Abdomens Stabilization) Insufficiency in Low back Pain" in 41st Annual Indian Association of Physiotherapists in Mumbai at Feb 2003.
37. Karthikeyan G, **AGK Sinha**, Jaspal S Sandhu. "Effect of Wheelchair Running and Passive Recovery on Blood Lactate and Physiological Parameters after High-intensity Intermittent Exercise" –in 42nd Annual Conference of Indian Association of Physiotherapists, 2004, held Jaipur
38. Sareen LK, **Sinha AG**, Sandhu JS : Effects of 20 minutes microwave diathermy on the recovery of physiological parameters after high intensity intermittent exercise. at 42nd national annual conference of IAP Jaipur 2004
39. Joshi S, **Sinha AG**, Sandhu JS : Effect of 10 minute of electro myostimulation on recovery of physical parameters after high intensity intermittent exercise. at 42nd national annual conference of IAP Jaipur 2004
40. Tyagraja G, **Sinha AG**, Sandhu JS : Determination of reliability and concurrent validity of a new method of ankle oedema measurement. at 42nd national annual conference of IAP Jaipur 2004
41. Shanker pradeep, **Sinha AG**, Sandhu JS : Comparison of physiological strain of wheelchair running against running in healthy male. at 42nd national annual conference of IAP Jaipur 2004
42. Nair , JK, **Sinha AG**, Sandhu JS : Comparative study of the systemic effects of electrical stimulation and voluntary exercise with special reference to blood sugar level. At 43rd national annual conference of IAP Hyderabad 2005
43. Nikhil NP, **SinhaAG**, Sandhu JS : Acute effect of electrical stimulation and voluntary exercise on blood lipid profile. at 43rd national annual conference of IAP ,Hyderabad 2005
44. Tyagaraja G, **Sinha AG** : Determination of reliability of single leg horizontal hop test. 43rd national annual conference of IAP. Hyderabad 2005
45. Prerna, **Sinha AG** , Sandhu JS : The use of electrical stimulation in improving vertical jumping ability of the athlete and to compare it with isometric contraction. 43rd national annual conference of IAP. Hyderabad 2005
46. Randhawa Babalpreet K, **Sinha AG**, Sandhu JS : An investigation on the effect of manual massage and under water massage on the hematological parameters. 43rd national annual conference of IAP. Hyderabad 2005
47. Kaur D, Nikhil NP, **Sinha AG**, Sandhu JS: Comparison of the acute metabolic and cardiovascular effects of electrical stimulation and voluntary exercise .27th annual conference of indian association of sports medicine , Bodh Gaya ,2005 .
48. Chachara A, Nair J, **Sinha AG**, Sandhu JS: A comparative study of the systemic effects of electrical stimulation and voluntary exercise with special reference to blood sugar level . 27th annual conference of indian association of sports medicine , Bodh Gaya ,2005 .

49. Narang S, Prerna, **Sinha AG**, Sandhu JS: Effects of electrical stimulation on physiological parameters. 27th annual conference of Indian Association of Sports Medicine, Bodh Gaya, 2005.
50. Singh MK, **Sinha AG**, Sandhu JS: Effect of sauna bath on body weight and cardiac function in healthy male. 27th annual conference of Indian Association of Sports Medicine, Bodh Gaya, 2005.
51. Kumar V, **Sinha AG**, Sandhu JS: Prevalence and risk factors of low back pain among wrestlers of Punjab: A cross-sectional study. 27th annual conference of Indian Association of Sports Medicine, Bodh Gaya, 2005.
52. Gaurishankar, **Sinha AG**, Sandhu JS: Efficacy of pulsed ultrasound in the treatment of delayed onset muscle soreness. 27th annual conference of Indian Association of Sports Medicine, Bodh Gaya, 2005.
53. Amita K, **Sinha AG**, Sandhu JS: Efficacy of sauna bath on body weight and hematological parameters in healthy male. 27th annual conference of Indian Association of Sports Medicine, Bodh Gaya, 2005.
54. **Sinha A.G.K.** Evolution of physiotherapy. Physiocon Chandigarh 2010 1st Annual Conference and Scientific Meet 13th – 14th November 2010 organised by the Indian Association of Physiotherapists Chandigarh Branch in association with Indian Society of Physiotherapy Education and Research
55. **A.G.K Sinha**, Deepak Chawla, Ravinder Kaur Comparison of Open with Closed Kinetic Chain Exercises in Chondromalacia Patella. Physiocon Chandigarh 2010 1st Annual Conference and Scientific Meet 13th – 14th November 2010 organised by the Indian Association of Physiotherapists Chandigarh Branch in association with Indian Society of Physiotherapy Education and Research
56. **Sinha A.G.K.** Physiotherapy Council: The Need And Reality. presented at National Seminar On “The Role of Physiotherapy in Health Care Delivery: The Need and The Reality” organized by Department of Physiotherapy, Punjabi University Patiala On 22nd and 23rd Jan 2011
57. Kaur Amanpreet, **Sinha A.G.K**: Role Of Physiotherapy Management In Multiple Sclerosis. presented at National Seminar On “The Role of Physiotherapy in Health Care Delivery: The Need and The Reality” organized by Department of Physiotherapy, Punjabi University Patiala On 22nd and 23rd Jan 2011
58. Atwal Isha, **Sinha A G K**: Role Of Physiotherapy In Facilitating The Recovery Of Sports Person.. presented at National Seminar On “The Role of Physiotherapy in Health Care Delivery: The Need and The Reality” organized by Department of Physiotherapy, Punjabi University Patiala On 22nd and 23rd Jan 2011
59. Ravinder Kaur Ralmila, **Sinha A.G.K.** Role Of Physiotherapy In Low Back Pain. presented at National Seminar On “The Role of Physiotherapy in Health Care Delivery: The Need and The Reality” organized by Department of Physiotherapy, Punjabi University Patiala On 22nd and 23rd Jan 2011
60. Kaur Satnam **Sinha A.G.K**: Prevalence And Associated Risk Factors Of Wrist Pain In Indian Gymnasts: A Cross Sectional Study. presented at National Seminar On “The Role of Physiotherapy in Health Care Delivery: The Need and The Reality” organized by Department of Physiotherapy, Punjabi University Patiala On 22nd and 23rd Jan 2011
61. Bindra Supreet, **Sinha A.G.K.** Awareness & Attitude of Medical Practitioners Towards Physical Therapy in Punjab. presented at National Seminar On “The Role of Physiotherapy in Health Care Delivery: The Need and The Reality” organized by Department of Physiotherapy, Punjabi University Patiala On 22nd and 23rd Jan 2011
62. Ajit Kumar, Gautam Lal, **A G Sinha**. Need and reality of physiotherapy services in Jharkhand. Presented at National Seminar On “The Role of Physiotherapy in Health Care Delivery: The Need and The Reality” organized by Department of Physiotherapy, Punjabi University Patiala On 22nd and 23rd Jan 2011
63. **Sinha A.G.K.** Scientific support to Indian sports persons: media sensitization for policy change. national seminar on sports and fitness culture: role of media organized by department of sports sciences, Punjabi University Patiala on 28th Sep 2011
64. **Sinha A.G.K.** Research in physiotherapy: concept and conduct. Physiocon Chandigarh 2011 2st Annual Conference and Scientific Meet 3rd -4th December 2011 organised by the Indian Association of Physiotherapists Chandigarh Branch in association with Indian Society of Physiotherapy Education and Research P 11-12
65. **Sinha A.G.K**, Atwal I, Amandeep Singh. Prevalence of low back pain and pattern of treatment among female athletes of Patiala. Physiocon Chandigarh 2011 2st Annual Conference and Scientific Meet 3rd -4th December 2011 organised by the Indian Association of Physiotherapists Chandigarh Branch in association with Indian Society of Physiotherapy Education and Research P 39-40
66. Swati Goel, Mithilesh Kumar, **AG K Sinha**. Prevalence of knee injuries in cyclists and their awareness about physiotherapy. Physiocon Chandigarh 2011 2st Annual Conference and Scientific Meet 3rd -4th December 2011 organised by the Indian Association of Physiotherapists Chandigarh Branch in association with Indian Society of Physiotherapy Education and Research P 40
67. Megha Lath, Mithilesh Kumar, **AG Sinha**. Prevalence of lower limb injuries in runners of Punjab. Physiocon Chandigarh 2011 2st Annual Conference and Scientific Meet 3rd -4th December 2011 organised by the Indian Association of Physiotherapists Chandigarh Branch in association with Indian Society of Physiotherapy Education and Research P 40
68. Nitasha Walia, Mithilesh Kumar, **A G K Sinha**. A comparative study to check the ventilatory and circulatory responses in smokers and non smokers of rural and urban areas of Patiala district. Physiocon Chandigarh 2011 2st Annual Conference and Scientific Meet 3rd -4th December 2011 organised by the Indian Association of Physiotherapists Chandigarh Branch in association with Indian Society of Physiotherapy Education and Research P 40
69. Mithilesh Kumar, Rohit Kaushal, **AG Sinha**. An investigation of incidence of injury in field hockey in relation to the playing surface (natural / artificial turf) in junior / senior level national field hockey players. Physiocon Chandigarh 2011 2st Annual Conference and Scientific Meet 3rd -4th December 2011 organised by the Indian Association of Physiotherapists Chandigarh Branch in association with Indian Society of Physiotherapy Education and Research P 41
70. Mithilesh Kumar, Sumedha Bhatia, **A G Sinha**. A survey of various physical fitness parameters of adolescent cricket players of north India. Physiocon Chandigarh 2011 2st Annual Conference and Scientific Meet 3rd -4th December 2011 organised by the Indian Association of Physiotherapists Chandigarh Branch in association with Indian Society of Physiotherapy Education and Research P 42
71. Amandeep Kaur, Mithilesh Kumar, **A G Sinha**. A survey of the prevalence of neck dysfunction in the bank employee of Punjab. Physiocon Chandigarh 2011 2st Annual Conference and Scientific Meet 3rd -4th December 2011 organised by the Indian Association of Physiotherapists Chandigarh Branch in association with Indian Society of Physiotherapy Education and Research P 43
72. Navsharan Kaur, Mithilesh Kumar, **A G Sinha**, Vishwadeep Trivedi. Pulmonary rehabilitation in the management of dyspnea in physiologically inactive overweight and obese female. Physiocon Chandigarh 2011 2st Annual Conference and Scientific Meet 3rd -4th December 2011 organised by the Indian Association of Physiotherapists Chandigarh Branch in association with Indian Society of Physiotherapy Education and Research P 43
73. Varinder Puri, Mithilesh Kumar, **A G Sinha**, Surabhi Kalyani. Effectiveness of mobilization with movement as compared to Cyriax physiotherapy treatment in lateral epicondylitis. Physiocon Chandigarh 2011 2st Annual

- Conference and Scientific Meet 3rd -4th December 2011 organised by the Indian Association of Physiotherapists Chandigarh Branch in association with Indian Society of Physiotherapy Education and Research P 43
74. Paramjeet Kaur Aulakh, Mithilesh kumar , **A G Sinha** , Gunjan Jindal . efficacy of balance training inyeilding gain in isometric strength of back and leg muscles infemale weightlifters . . Physiocon Chandigarh 2011 2st Annual Conference and Scientific Meet 3rd -4th December 2011 organised by the Indian Association of Physiotherapists Chandigarh Branch in association with Indian Society of Physiotherapy Education and Research P 44
 75. Sandeep_Singh, **AG K Sinha** . the effects of effleurage and kneading massage on alpha motoneuronal excitability inneurologically healthy adults . 50th annual conference of Indian Association of Physiotherapists at sirifort auditorium New Delhi on 16-18th march 2012 p 82
 76. Sharma Raju , **Sinha AGK** , Narayan Amitesh . Improvement in various parameters of hand function in children withcerebral palsy : A pilot study . 50th annual conference of Indian Association of Physiotherapists at sirifort auditorium New Delhi on 16-18th march 2012 p 107
 77. Gupta Antra_ , **Sinha AGK** . Prevelence of laow back pain in weight lifters of Punjab . 50th annual conference of Indian Association of Physiotherapists at sirifort auditorium New Delhi on 16-18th march 2012 p 125
 78. **Sinha AGK** , Swati Goel, Sorabh Sharma. Epidemiology of fencing injuries and physiotherapy awareness and availability among fencing players . 50th annual conference of Indian Association of Physiotherapists at sirifort auditorium New Delhi on 16-18th march 2012 p 140
 79. **Sinha AGK** , Heena Chadha , Sorabh Sharma. A survey of injuries during all India inter university archery tournament 2011 . 50th annual conference of Indian Association of Physiotherapists at sirifort auditorium New Delhi on 16-18th march 2012 p 125(won 3rd prize in junior poster category)
 80. Lath Megha, Heena chadha , **Sinha AG**. Curriculum of sports physiotherapy: content relevance and teaching methodology. UGC sponsored national seminar on Methodology of physiotherapy education: issues and challenges organized by Department of Physiotherapy, Punjabi University Patiala on **24-25th March 2012**
 81. Bindra Supreet, **Sinha AGK** . Physical Therapy Research and Education. UGC sponsored national seminar on Methodology of physiotherapy education: issues and challenges organized by Department of Physiotherapy, Punjabi University Patiala on **24-25th March 2012**
 82. **Sinha A G**. Physiotherapy education in India: issues and challenges. UGC sponsored national seminar on Methodology of physiotherapy education: issues and challenges organized by Department of Physiotherapy, Punjabi University Patiala on **24-25th March 2012**
 83. **Sinha A G**. Curriculum of physiotherapy: the missing elements. UGC sponsored national seminar on Methodology of physiotherapy education: issues and challenges organized by Department of Physiotherapy, Punjabi University Patiala on **24-25th March 2012**
 84. kaur Rupanjeet, **sinha AGK** . Development of low cast muscle strength Measurement instrument (won 2nd prize in poster presentation) international conference of physical education 2013 Patiala
 85. Raju sharma , **A.G.K.Sinha** . factors influencing utilisation of physiotherapy service among children with cerebral palsy in Jalandhar district of Punjab . 53rd annual conference of Indian Associatin of Physiotherapists held at shimla on 20-22nd March 2015 .
 86. Sandeep singh , **A.G.K.Sinha** . electrophysiologic measurement of spasticity changes induced by two different durationof ice immersion . 53rd annual conference of Indian Associatin of Physiotherapists held at shimla on 20-22nd March 2015 .

List of Masters Dissertations supervised by A.G.K.Sinha

Sr. No.	Name of student	Degree	Title of dissertation	Year of completion
1.	Ashish Mathur	Masters in Sports PhysioTherapy M.S.P.T.	The prevalence and risk factors of low back pain among four spinal loading games (weight lifting , gymnastic , cricket and hockey)	2001 (GNDU)
2.	Rahul Gadru	M.S.P.T.	A comparative study on the efficacy of thigh stretching and posterior thigh stretching on passive straight leg raise	2001 (GNDU)
3.	Ram Prasad	M.S.P.T	Lumber spinal segmental stabilization deficit (motor control deficit) in low back troubles	2002 (GNDU)
4.	Amresh Kumar	M.S.P.T	Quantification of the alteration in the forces acting on foot and in the kinematics of gait induced by three common shoe modifications : a computer dynamographic study	2002 (GNDU)
5.	Ganesh Vel Maya	M.S.P.T	The prevalence of hyperpronated foot among runner and its relation with injuries .	2002 (GNDU)
6.	P S Ravichandra	M.S.P.T.	The efficacy of manual massage as a recovery mode after a high intensity intermittent exercise	2003 (GNDU)
7.	Dayanand Kiran	M.S.P.T.	Effect of underwater massage on recovery after intermittent high intensity exercise	2003 (GNDU)
8.	Ramesh G	M.S.P.T.	The efficacy of sauna bath on recovery from high intensity intermittent exercise	2003 (GNDU)
9.	Thiyagraj. G .	M.S.P.T.	Determination of reliability of two methods of measuring spinal range of motion	2004 (GNDU)
10.	Kartikeyan G	M.S.P.T.	A study on the effect of wheelchair running on recovery from high intensity intermittent exercise	2004 (GNDU)
11.	Love K Sarine	M.S.P.T.	Effect of microwave diathermy on recovery after intermittent high intensity exercise	2004 (GNDU)
12.	Pradeep Shankar	M.S.P.T.	Comparison of physiological strain on wheel chaire locomotion with bipedal locomotion at various intensity , distance and inclination in healthy males	2004 (GNDU)
13.	Shreenidhi H Joshi	M.S.P.T.	Effect of electro myostimulation on recovery from high intensity intermittent exercise	2004 (GNDU)
14.	Nikhil N P	M.S.P.T.	Comparision of the acute metabolic and cardiovascular effects of electrical stimulation and voluntary exercise	2005 (GNDU)
15.	Jayakrishna Nayar	M.S.P.T.	Comparision of the systemic effects of electrical stimulation and voluntary exercise performed at an intensity of 60-70% of maximal heart rate	2005 (GNDU)
16.	Babble Preet Kaur Randhawa	M.S.P.T.	The effect of manual massage and underwater massage on physiological , haematological , blood biochemical and sports performance parameters	2005 (GNDU)
17.	Perna	M.S.P.T.	Comparision of efficacy of electro myostimulation and isometric contraction on vertical jumping ability	2005 (GNDU)
18.	Maniraj Kumar Singh	M.S.P.T.	Effect on sauna bath on cardiac activity an ECG study	2006(GNDU)
19.	Amita Kumari	M.S.P.T.	Effect of sauna bath on haematological parameters	2006 (GNDU)
20.	Gauri Shankar	M.S.P.T.	Efficacy of ultrasound in the treatment of DOMS	2006 (GNDU)
21.	Vishal Kumar	M.S.P.T.	Prevalence and risk factors of low back pain in wrestlers	2006 (GNDU)
22.	Gaurav Souri	M.S.P.T.	Effects of rehydration in sauna on the electrical activity of heart .: an ECG study	2007 (GNDU)
23.	Sneh Bansal	M.S.P.T.	Prevalence and risk factors of shoulder impingement syndrome among female swimmers	2007 (GNDU)
24.	Damanpreet Kaur	M.S.P.T.	Validation of a low cost method of quantifying the strength of rotator muscles of shoulder	2007 (GNDU)
25.	Priyanka Rishi	MPT (cardiopulmonary physiotherapy)	Effects of phase I cardiac rehabilitation on post CABG patients	2009 (Punjabi university Patiala)
26.	Stanam Kaur	MPT (sports physiotherapy)	Prevalence of wrist pain and associated risk factors in gymnasts	2009 (Punjabi university Patiala)
27.	Era Mangotra	MPT (musculoskeletal physiotherapy)	Effect of electrical stimulation on quadriceps strength and vertical jump performance in novice basketball players	2009 (Punjabi university Patiala)
28.	Deepak Chawla	MPT (orthological physiotherapy)	Comparision of the efficacy of open versus closed kinetic chain exercises in patellochondromalesia	2009 (Punjabi university Patiala)
29.	Akil Soni	MPT(sports physiotherapy)	Designing and development of cost effective reliable and portable device for testing muscle strength	2010 (Punjabi university Patiala)
30.	Diana Dhamija	MPT (Post stroke quality of life assessment in	2010 (Punjabi

Details of ongoing Ph.D. work under the supervision of A.G.K .Sinha

SN	Name of Candidate	Topic	Year of Registration
1	Raju Sharma	A study on the epidemiology of disability in cerebral palsy with special reference to jalandhar district of punjab	Awarded 2016(Punjabi university)
3	Sandeep Singh	Study on the effects of some physiotherapeutic methods on alpha motoneuronal excitability in normal and spastic individuals	awarded 2017 (Punjabi university)
2	Mandeep Kang	Study of the factors determining the physical and socio-economical status of the stroke survivor in amritsar district of punjab	2008 (Punjabi university)
4	Supreet Bindra	Prevalence and risk factors of low back pain among textile industry workers in ludhiana district of Punjab	submitted (Punjabi university)
6	Rupan jeet kaur	Enrolled	2012 (Punjabi university , Patiala)
7	Vihwajeet Trivedy	Effect of Electrical Muscle Stimulation and Resisted Exercise In Achieving Glycemic Control In Type 2 Diabetes Mellitus	2015 (Punjabi university , Patiala)
Coguide 6.5	A D Gopalswamy	Quality of life and functional performance following multifactorial manual intervention among subjects with chronic degenerative joint disease of the knee joint.	2012 (Sri Ramchandra University porur Chennai)

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Membership of academic/ Administrative bodies of universities

1. Member Board of Studies of Physiotherapy and sports sciences ,Punjabi university , Patiala, Punjab 2010-2012
2. Chairman, ACD of Physiotherapy Department ,Punjabi university , Patiala, Punjab2010-2012
3. Member , Faculty of Medicine Punjabi university , Patiala, Punjab 2007- till date
1. Member ACD Physiotherapy, Punjabi university , Patiala, Punjab 2007- 2009
2. Member ACD Physiotherapy and sports sciences ,Punjabi university , Patiala, Punjab 2007- 2008
3. Member Board of Studies of Sports coaching, Punjabi university , Patiala, Punjab 2008-10
4. Member, committee of studies in physiotherapy , jamia miliia islamia a central university , Delhi 2009-12
5. Ex Member, Board of Control, Department of Sports Medicine & Physiotherapy,, G.N.D.University Amritsar, Punjab
6. Ex Member, Faculty of Sports Medicine & Physiotherapy G.N.D.University, Amritsar, Punjab
7. Ex Member Board of Studies of Physiotherapy CSJM University Kanpur, Uttar Pradesh
8. Subject expert selection committee – PBD Sharma university of health sciences Rohtak, DAV managing committee for kurukshetra university 2011
9. Member board of studies of physiotherapy , mata gujri college (an autonomous college) fatehgarh sahib, Punjab 2012
10. Subject expert SAP review committee on sports medicine – UGC 2013
11. External Expert Board Of Studies Sanjay Gandhi PGIMS Lucknow UP 2015
12. external member DCPT OT for work shop on ethics and standard of proficiency in physiotherapy practice 28-4-2015
13. external expert member research and ethics commitee mother teresa saket college of physiotherapy Panchkula, Haryana -2012-17
14. Member board of studies of physiotherapy , Sri Guru Granth Sahib World University Fatehgarh Sahib Punjab 2014-2017
15. External subject expert , faculty of Sports Medicine and Physiotherapy G N D U Amritsar 2016- 18
16. Member Secretary institutional ethics committee (human) Punjabi university Patiala-2016-18
17. member senate, Punjabi university Patiala

Certified that information given above are true to best of my knowledge and belief

Prof(Dr) A G K Sinha