

Curriculum Vitae

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Designation : INSA Senior Scientist
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Academics

Exam/Degree	University	Year
B.A.	Panjab University, Chandigarh	1971
M.A. (Mathematics)	Panjab University, Chandigarh	1973
Certificate Course (French)	Panjab University, Chandigarh	1975
Certificate Course (German)	Panjab University, Chandigarh	1977
Ph. D. (Mathematics)	Panjab University, Chandigarh	1978

Distinctions

- Fellow of The World Academy of Sciences ([TWAS](#)) (2016).
 - Professor V V Narlikar Memorial Lecture Award of INSA (2015)
 - Fellow of Indian Academy of Sciences ([IAS](#)) (2010).
 - Fellow of Indian National Science Academy ([INSA](#)) (2005).
 - Fellow of National Academy of Sciences ([NASI](#)) (2003).
 - B.A.: First Position in Panjab University.
 - M.A.: Second Position in Panjab University.
 - Panjab University merit scholarship holder from higher secondary to B. A.
 - UGC Merit Scholarship holder in M. A.
 - Certificate Course in French : First Position in Panjab University.
 - Certificate Course in German : First Position in Panjab University.
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Research Experience : 44 years (approx.)

Teaching Experience : 40 years (approx.)

Research Specialization: Algebra, Valuation Theory, Algebraic Number Theory

Number of research papers published: 76 (66 in International Journals)

Ph. D. Thesis supervised: Ten (listed below)

Student's Name	Title of the Thesis	Institution	Year of Ph.D.
Usha Garg	Prolongations of valuations to transcendental extensions.	Panjab University, Chandigarh	1990
Jayanti Saha	Extensions of valued function fields.	Panjab University, Chandigarh	1998
Kamal Aghigh	On some problems in henselian valued fields.	Panjab University, Chandigarh	2002
Saurabh Bhatia	A study of irreducible polynomials and their invariants over henselian valued fields.	Panjab University, Chandigarh	2004
Amrit pal Singh	A study of tame and defectless extensions of valued fields.	Panjab University, Chandigarh	2005
Munish Kumar	A study of prolongations of valuations to finite extensions.	Panjab University, Chandigarh	2008
Ramneek Khassa	A study of valued fields and irreducible polynomials.	Panjab University, Chandigarh	2011
Anuj Bishnoi	A study of irreducible polynomials and defectless extensions of valued fields.	Panjab University, Chandigarh	2012
Sanjeev Kumar	A study of valued fields and factorization of polynomials.	Panjab University, Chandigarh	2014
Bablesh Jhorar	A study of polynomials over valued fields	Panjab University, Chandigarh	2017

Ph. D. Thesis under supervision: Two (Registered with IISER Mohali).

Positions held :

Duration	Institute	Designation	Nature of work
18.07.1974 to 28.03.1978	Department of Mathematical Sciences Panjab University	Research Assistant	Teaching & Research
29.03.1978 to 31.09.1986	- do -	Lecturer	- do -
01.10.1986 to 20.03.1998	- do -	Reader	- do -
21.03.1998 to 31.12.2010	- do -	Professor	- do -
26.07.2003 to 16.03.2006	- do -	Chairperson	Teaching & Research
01.04.2004 to 31.03.2010	Centre for Advanced Study in Maths Panjab University	Coordinator & Professor	Teaching & Research
04.01.2011 to 31.03.2011	Department of Mathematical Sciences Panjab University	Professor (re-employed)	- do -
01.04.2011 to 31.12.2015	Department of Mathematical Sciences IISER Mohali	Professor	- do -
01.01.2016 to 15.05.2016	Department of Mathematical Sciences IISER Mohali	Visiting Professor	- do -
16.05.2016 till date	Department of Mathematical Sciences IISER Mohali	INSA Senior Scientist	Research
24.09.2017 till date	Department of Mathematical Sciences Panjab University	Emeritus Professor	- do -

Other Assignments :

On board of referees of Communications in Algebra, Manuscripta math, Indian Journal of Pure and Applied Mathematics; reviewer Zentralblatt fur Mathematik; Coordinator of NBHM research awardees test and NBHM

M.A/M.Sc. scholarship test since 2003 till 2010. Constantly participating in programs promoting the cause of mathematics.

Subjects Taught :

Algebra, Algebraic Number Theory, Linear Algebra, Valuation Theory, Real Analysis, Measure Theory, Number Theory, Topology.

Principal Investigator of Research projects : Seven (listed below)

S.No.	Funding Agency	Title of the project	Duration	Amount (in Rupees)
1.	CSIR	Extensions of valued fields	Nov. 1990 to Oct. 1993	1,24,200
2.	CSIR	Valued function fields	Nov. 1993 to Oct. 1997	2,84,400
3.	CSIR	Valued fields	Dec. 1997 to Nov. 2001	7,63,200
4.	CSIR	Valuations and their extensions	June 2002 to May 2006	6,58,000
5.	NBHM	A study of prolongations of valuations to finite extensions of algebraic number fields and general valued fields	April 2005 to Marh 2009	6,35,000
6.	NBHM	A study of valued fields and irreducible polynomials	April 2009 to March 2013	9,32,500
7.	NBHM	A study of polynomials over valued fields	Jan. 2013 to Dec. 2015	1,89,500

Conferences / Refresher courses organized :

1. Refresher Course in Mathematics and Statistics held from 16 February 2004 to 7 March 2004 for University and College Teachers in Department of Mathematics, Panjab University (PU).
2. Sectional Secretary of Mathematical Sciences in the 91st session of the Indian Science Congress Association (ISCA) held at Chandigarh in January 2004.
3. S. K. Malik Memorial Chandigarh Mathematics Colloquium held on March 12 & 13, 2004 at Chandigarh.
4. Symposium on Mathematical Sciences (in the memory of Professor Hans Raj Gupta) held on November 19 & 20, 2004 in Department of Mathematics, Panjab University (PU).
5. S. K. Malik Memorial Chandigarh Mathematics Colloquium held on February 11 & 12, 2005 at Panjab University (PU).
6. Refresher Course in Mathematics and Statistics held from 17 March 2005 to 7 April 2005 for University and College Teachers in the Department of Mathematics, Panjab University (PU).
7. Symposium on Mathematical Sciences (in the memory of Professor V. C. Dumir) held on Oct. 27 & 28, 2006 in Department of Mathematics Panjab University (PU).
8. Annual Foundation School-I, held in the Department of Mathematics, Panjab University (PU) from 3rd to 27th December 2008, sponsored by NBHM.
9. Colloquium on Recent trends in algebra and algebraic number theory held in dept. of mathematics, Panjab University (PU) from 25-27th November, 2009.
10. Annual Foundation School-I, held in the Department of Mathematics, Panjab University (PU) from 2nd to 29th December 2010, sponsored by NBHM.
11. Advanced Instructional School in Algebra at IISER Mohali in 3rd to 21st July, 2012.

Conferences attended / lectures delivered outside India :

1. Presented a paper in the International Congress of Mathematicians (ICM) held at Kyoto, Japan during August 21st to 29th, 1990.
2. 8th General Meeting of the Association of European Women in Mathematics, held at ICTP, Trieste, Italy during Dec. 12 - 16, 1997 (one lecture).
3. First International Conference and Workshop on Valuation Theory held at University of Saskatchewan, Saskatoon, Canada during July 28 to August 11, 1999 (one lecture).
4. Visited Department of Mathematics, University of Saskatchewan, Saskatoon, Canada for two weeks during July - August, 1999 and delivered two lectures.
5. Second World Conference on 21st Century Mathematics 2005, School of Mathematical Sciences, G. C. University, Lahore, Pakistan held during March 4-6, 2005 (one public lecture and one technical lecture).
6. International Workshop in Valuation Theory and its Applications, State University of Campinas, Brazil held during March 21-24, 2006 (one lecture).
7. Visited Institute of Mathematics, Statistics and Scientific Computation, State University of Campinas, Brazil for four weeks during March-April 2006 and delivered two colloquium lectures.
8. Delivered a lecture in Institute of Mathematics and Statistics, University of Sao Paulo, Brazil on April 06, 2006.
9. Delivered a lecture in Instituto de Mathematica e Aplicada Rio de Janeiro RJ, Brazil on April 12, 2006.
10. Visited Department of Mathematics, Tsuda College, Tokyo (Japan) for two weeks from June 1 -15, 2006 and delivered two lectures.
11. Delivered a colloquium lecture in the Department of Mathematics, Naruto University of Education, Naruto, Tokushima, Japan on 8th June 2006.
12. Delivered a colloquium lecture in the Department of Mathematics, Nihon University, Tokyo (Japan) on 10th June 2006.
13. The Fifth China-Japan-Korea Symposium held in Tokyo, Japan in September 10 - 15, 2007 (one lecture).
14. Second International Conference and Workshop on Valuation Theory held at University of Valladolid, Segovia, Spain during July 18-29, 2011 (One lecture).
15. The 31st Ohio State-Denison Mathematics Conference held during May 25- 27, 2012 at The Ohio State University, Columbus, Ohio (One lecture).
16. Delivered a lecture in Center for Ring Theory and Applications, Ohio University, Athens on 29th May 2012.
17. Delivered a lecture in Department of Mathematics and Statistics, Wright State University Dayton on 31st May and 1st June 2012.
18. Delivered a colloquium lecture in the Department Math, University of Pennsylvania, Philadelphia on 4th June 2012.
19. Visited Department of Mathematics and Statistics, University of Konstanz, Germany from April 28th to 3rd May 2014 and delivered two lectures.
20. Delivered a lecture in International Congress of Mathematicians held at Seoul Korea from 13-21 August 2014.
21. Delivered a colloquium lecture in Department of Mathematics, University of Michigan on 17th Oct. 2014.
22. Delivered a lecture in Algebra seminar, Wayne state university, Detroit on 21st Oct. 2014.
23. Visited Department of Mathematics and Statistics, Wright State University, Dayton for one week in October, 2014 and delivered there two lectures on 24th and 27th October .
24. Delivered a lecture in OHU-OU Ring theory seminar, Ohio state university, Columbus on Oct 31, 2014.

Conferences/ Workshops attended/ lectures delivered within India:

1. Annual conference of the Indian Math Society in 1975, 1976, 1977, 1989 and 2007.
2. Indo - Soviet Number Theory Symposium held at Panjab University, Chandigarh in 1984.
3. Sessions of Indian Science Congress Association held in 1996, 1999, 2001, 2002, 2003 and 2004 and 2010 (gave an invited talk in each).
4. International Conference on Number Theory and Discrete Mathematics held in October 2000 at Panjab University.
5. Seminar on making mathematics interesting held in Chandigarh in December 2001 at Dev Samaj College Chandigarh.
6. Conference on Algebraic and Geometric Topology held in University of Delhi in January 2002.
7. S. K. Malik Memorial Chandigarh Mathematics Colloquium held in February 2002 at Panjab University.
8. International Symposium on Theory of rings and Modules held at the department of Mathematics, Aligarh Muslim University Aligarh on May 7-8, 2003.
9. Participated in the International Conference on Algebra and Number Theory held in the University of Hyderabad from December 11-16, 2003.
10. 19th annual conference of the Ramanujan Mathematical Society held at Agra on July 21-24, 2004.
11. 8th Punjab Science Congress held at Punjabi University, Patiala from February 7-9, 2005.
12. Colloquium on Algebra held in Department of Mathematics and Statistics University of Hyderabad during July 6-8, 2005.
13. International Conference on Number Theory and discrete Geometry held at Panjab University from Nov. 30 to Dec. 3, 2005.
14. International Conference on Diophantine equations held at TIFR, Mumbai from Dec. 16-20, 2005.
15. International Conference on Number Theory held at Harish-Chandra Research Institute, Allahabad from Dec. 1 - 5, 2006.
16. Gave plenary lecture in the 23rd annual conference of the Ramanujan Mathematical Society held at I.I.T., Kanpur from May 19-21, 2008.
17. Delivered 8 lectures in the Annual Foundation School-I held in Dept. Of mathematics, Panjab University during Dec. 3-27, 2008.
18. Delivered 2 lectures in Refresher course organized by UGC academic staff college, HP Univ. Shimla.
19. Delivered a lecture in Motivational Talent program organized during Nov. 2008 by Dept. of Physics, Panjab University.
20. Delivered a lecture in the 3rd Chandigarh Science Congress held during Feb. 26 - 27, 2009.
21. Delivered a lecture in Chandigarh Symposium in Mathematics held in Panjab University during March 5 - 6, 2009.
22. Gave 2 lectures in the Orientation program organized by UGC staff college, HP University on June 22 - 23, 2009.
23. Gave lecture in national seminar on continuum mechanics and algebra held during 7-8th August, 2009 at HP University, Shimla.
24. Chaired a session in the Advances in Mathematics: Focus on Women in Mathematics held at JNU, Delhi during October 5-7, 2009.
25. Gave a lecture in the 97th session of the Indian Science Congress association held at University of Kerala, Thiruvananthapuram during Jan 3-7th, 2010.
26. Gave a lecture in International conference on algebra and its applications held in Aligarh Muslim University during Feb 20-22, 2010 .

27. Chaired a session in the Chandigarh Science Congress held at Panjab University, Chandigarh during March 19-20th, 2010.
28. Gave a lecture in the 25th Annual conference of Ramanujan Mathematical Society held at N.I.T. Jalandhar during 3rd to 5th May, 2010.
29. Gave an lecture in the 21st Mid-year meeting of Indian academy of Sciences held at Bangalore during 2nd to 3rd July, 2010.
30. Delivered a lecture and chaired a session in International Congress of Mathematicians held at Hyderabad from 19-27 August 2010.
31. Delivered a lecture in Chandigarh Science Congress held at Panjab University, Chandigarh on 26th February, 2011.
32. Delivered a lecture and chaired a session on 26.03.2011 in National Seminar on Algebra and its Applications held during March 26-27, 2011 at H. P. University, Shimla.
33. Delivered an invited lecture in the 77th Annual Conference of Indian Math Society held at SRTM University, Nanded (Maharashtra) during December 27-30, 2011.
34. Chaired a session and delivered a lecture in the International Conference on Group Theory and Lie Theory during March 19-21, 2012 at Harish Chandra Research Institute, Allahabad.
35. Chaired a session and delivered a lecture in National Conference on Algebra to be held at Himachal Pradesh University, Shimla during March 27-28, 2012.
36. Delivered a lecture in the International conference on history and development of Mathematical sciences held at MDU Rohtak during November ,21-24, 2012.
37. Delivered a lecture and chaired a session in the 21st International conference on Interdisciplinary Mathematics, Statistics and Computational Techniques held at the department of Statistics, Panjab University Chandigarh from December 15-17, 2012.
38. Chaired a session in the International conference The Legacy of Srinivasa Ramanujan held at University of Delhi from December 17-22, 2012.
39. Keynote speaker in national conference on advances in Mathematics & its Applications organised by Department of Mathematics, NIT Hamirpur held during june 25-27,2013.
40. Chaired a session in the National seminar on Number Theory and Discrete Mathematics in honour of 70th birthday of Professor R.J. Hans Gill, during Nov 12-13, 2013.
41. Chaired a session in the International Conference on History and Development of Mathematics held at Department of Mathematics , JECRC University, Jaipur during Nov. 29 - Dec. 1, 2013.
42. Chaired a session and delivered a Lecture in International conference in Algebra and Allied fields held at Himachal Pradesh University, Shimla during 26-27 March 2014.
43. Delivered a plenary lecture in Indian women in Mathematics held at Delhi University, South campus during 2 - 4 April. 2015.
44. Chaired a session and gave a lecture in the 30th Annual conference of Ramanujan Mathematical Society held at IISER Mohali during May 15 - 17, 2015.
45. Delivered a lecture in International Conference on “Algebra, Geometry and History of Mathematics” held at the Chennai Mathematical Institute, during July 27–29, 2015.
46. Delivered a lecture in the discussion meeting on “The Legacy of Emmy Noether at ICTS Bangalore during 29th - 30th August 2016.
47. Delivered a lecture in the International Conference on Algebra and its applications held in Aligarh Muslim Univ. during Nov. 12 - Nov. 14 2016.
48. Delivered a Plenary lecture in International Conference on Class Groups of Number Fields and Related Topics (ICCGNFRT) held at Harish-Chandra Research Institute, Allahabad, India, during September 4th - 7th, 2017.

49. Convened and delivered two lectures in Science Academy's Lecture Workshop on Topics in Algebra and Number Theory held at Ranchi College, Ranchi during September 22 - 24, 2017.
50. Delivered a lecture in the International Conference on Algebra, Discrete Mathematics and Applications at Babasaheb Ambedkar Marathwada University, Aurangabad during December 9 - 11, 2017.
51. Delivered a lecture in the conference on Number Theory: Arithmetic, Diophantine and Transcendence held at IIT Ropar during December 22- 25, 2017

Institutes visited and Lectures delivered in India

1. Harish-Chandra Research Institute, Allahabad in January 2002 and June 2005 (three colloquium lectures).
2. Indian Institute of Science, Bangalore in July 2002 (one lecture).
3. Tata Institute of Fundamental Research, Bangalore in July 2002 (one lecture).
4. HP University, Shimla in March 2007 (two lectures).
5. Delhi University, Delhi in April 2008 (one lecture).
6. Aligarh Muslim University in July 2009 (1 lecture).
7. HP university, Shimla in September 2009 (3 lectures).
8. IISc Bangalore during July 4-6, 2010 (1 lecture)
9. SRTM University, Nanded during October 3 - 7, 2010 (2 lectures).
10. Delivered lectures in the INSPIRE programmes sponsored by DST at Sri Mata Vaishnu Devi University, Kakrial during June 25 - 29, 2010 and May 28 to June 1, 2011.
11. Delivered a lecture in the INSPIRE Programme of DST in the RIMT - Institute of Engineering & Technology, Mandi Gobindgarh, Punjab on 9th February, 2012.
12. Delivered lecture in the Department of Mathematics, University of Delhi on 6th March 2012.
13. Delivered eight lectures in the Advanced Instructional School in Algebra held in IISER Mohali during July 3, 2012 to July 21, 2012.
14. A public lecture and colloquium lecture delivered) at SRTM University, Nanded (Maharashtra) during March 14-16, 2013.
15. Delivered a lecture in Faculty Development Program on Role of Basic Sciences in Engineering Organized by University Institute of engineering and technology, Panjab University Chandigarh on 14th Nov. 2013.
16. Delivered lectures in the INSPIRE programme sponsored by DST at Asian Institution, Punjabi University, Patiala on Nov. 16, 2013
17. Delivered a colloquium lecture in TIFR - CAM Bangalore on 19th Dec. 2013.
18. Delivered a colloquium lecture in IISc Bangalore on 19th Dec. 2013.
19. Delivered a lecture in INSPIRE programme organized by Chandigarh group of colleges , Mohali on 25th Jan., 2014.
20. Delivered 3 lectures in Teachers Enrichment workshop organized by Punjabi University Patiala during May 27th to June 1st, 2014.
21. Give one lecture in Refresher course in Mathematics organized by Punjabi University Patiala on May 27th, 2014.
22. Delivered one lecture in Advanced Instruction School on Quadratic Forms held at IISER Mohali on 4th June 2014.
23. Delivered a colloquium lecture in IIT Bombay on 25th Nov. 2014.
24. Delivered a colloquium lecture in TIFR Bombay on 27th Nov. 2014.

25. Delivered a lecture in Science Academies Lecture workshop on applications of basic sciences in Engineering & Technology at Raj Kumar Goel Institute of technology, Ghaziabad on 13th March, 2015.
26. Delivered a lecture in IIT Patna on 23rd March 2015.
27. Delivered a lecture in South Asian University, New Delhi on 23rd April 2015.
28. Delivered a colloquium lecture in HP University Shimla on 20th October 2015.
29. Delivered a colloquium lecture in IISER Pune on 6th November 2015.
30. Delivered a lecture in the department of Mathematics, University of Pune on November 7, 2015.
31. Delivered a lecture in the INSPIRE programme held at IEC University, Baddi on 20th November 2015.
32. Delivered a lecture in the Mathematics workshop for school teachers sponsored by Chandigarh chapter of NASI on November 28, 2015.
33. Delivered a colloquium lecture in the Department of Mathematics IIT Bombay on March 28, 2016.
34. Delivered a lecture in IWM regional workshop on “Some Generalizations of Eisenstein Irreducibility Criterion” at held at Punjabi University, Patiala during Feb. 6 - 7, 2017.
35. Visited department of mathematics IISc Bangalore for five days during 6th to 11th March 2017 and delivered two lectures.
36. Delivered a lecture in TIFR-CAM Bangalore on 9th March 2017.
37. Delivered the opening lecture in the 61st Refresher Course in Mathematical Science organised by UGC-Human Resource Development Centre, Punjabi University, Patiala on June 22, 2017.
38. Delivered a lecture in Mathematics Workshop for Undergraduate Students Sponsored by Chandigarh Chapter of NASI at DAV College Ambala City on October 28, 2017.
39. Delivered a colloquium talk in the Department of Mathematics IIT Patna on November 22, 2017.
40. Delivered a public lecture in the Department of Mathematics SGGS Institute of Engineering and Technology Nanded on December 8, 2017.

Life Memberships :

1. Ramanujan Mathematical Society ([RMS](#)).
2. Indian Mathematical Society ([IMS](#)).
3. Indian Science Congress Association.
4. Punjab Science Congress.
5. Forum for Interdisciplinary Mathematics.
6. Indian Society for History of Mathematics.

Personal Data

Nationality : Indian
Date of birth : 01-01-1951

List of Publications

1. Sudesh K. Gogia and Indar S. Luthar, Quadratic unramified extensions of $\mathbb{Q}(\sqrt{d})$, *J. Reine Angew. Math.* Band 298(1978), 108-111, MR0485776.
2. Sudesh K. Gogia and Indar S. Luthar, The Brauer-Siegel theorem for algebraic function fields, *J. Reine Angew. Math.* 299/300 (1978), 28-37, MR0485792.
3. Sudesh K. Gogia and Indar S. Luthar, Real characters of the ideal class group and the narrow ideal class-group of $\mathbb{Q}(\sqrt{d})$, *Colloq. Math.* 41 (1979), No. 1, 153-159, MR0550642.
4. Sudesh K. Gogia and Indar S. Luthar, Norms from certain extensions of $\mathbb{F}_q(T)$, *Acta Arith.* 38 (1981), No. 4, 325-340, MR0621005.
5. Sudesh K. Khanduja, Certain quadratic unramified extensions of $\mathbb{F}(T, \sqrt{D(T)})$ and theory of genera for quadratic extensions of $\mathbb{F}_q(T)$, *J. Indian Math. Soc.* 53 (1988), No. 1-4, 51-65, MR1017788.
6. Sudesh K. Khanduja and Usha Garg, On extensions of valuations to simple transcendental extensions, *Proc. Edinburgh Math. Soc.* 32 (1989), No. 1, 147-156, MR0982002.
7. Sudesh K. Khanduja and Usha Garg, Rank 2 valuations of $K(x)$, *Mathematika* 37 (1990), No. 1, 97-105, MR1067891.
8. Sudesh K. Khanduja and Usha Garg, On rank of extensions of valuations, *Colloq. Math.* 59 (1990), No. 1, 25-29, MR1078288.
9. Sudesh K. Khanduja, A note on a result of J. Ax, *J. Algebra* 140 (1991), No. 2, 360-361, MR1120429.
10. Sudesh K. Khanduja, Value groups and simple transcendental extensions, *Mathematika* 38 (1991), No. 2, 381-385, MR1147837.
11. Sudesh K. Khanduja, Prolongations of valuations to simple transcendental extensions with given residue field and value group, *Mathematika* 38 (1991), No. 2, 386-390, MR1147838.
12. Sudesh K. Khanduja and Usha Garg, On residually generic prolongations of a valuation to a simple transcendental extension, *J. Indian Math. Soc.* 57 (1991), No. 1-4, 101-108, MR1161327.
13. Sudesh K. Khanduja, On valuations of $K(x)$, *Proc. Edinburgh Math. Soc.* (2) 35 (1992), No. 3, 419-426, MR1187004.
14. Sudesh K. Khanduja and Usha Garg, Residue fields of valued function fields of conics, *Proc. Edinburgh Math. Soc.* 36 (1993), No. 3, 469-478, MR1242758.
15. Sudesh K. Khanduja and Usha Garg, Prolongations of a Krull valuation to a simple transcendental extension, *J. Indian Math. Soc.* 59 (1993), No. 1-4, 13-21, MR1248942.
16. Sudesh K. Khanduja, A uniqueness problem in simple transcendental extensions of valued fields, *Proc. Edinburgh Math. Soc.* 37 (1994), No. 1, 13-23, MR1258026.
17. Sudesh K. Khanduja, On value groups and residue fields of some valued function fields, *Proc. Edinburgh Math. Soc.* 37 (1994), No. 3, 445-454, MR1297313.
18. Sudesh K. Khanduja, On a result of James Ax. *J. Algebra* 172 (1995), No. 1, 147-151, MR1320625.
19. Sudesh K. Khanduja and Jayanti Saha, A uniqueness problem in valued function fields of conics, *Bull. London Math. Soc.* 28 (1996), No. 5, 455-462, MR1396143.
20. Sudesh K. Khanduja, On residually transcendental valued function fields of conics, *Glasgow Math. J.* 38 (1996), No. 2, 137-145, MR1397168.
21. Sudesh K. Khanduja, A note on residually transcendental prolongations with uniqueness property, *J. Math. Kyoto Univ.* 36 (1996), No. 3, 553-556, MR1417826.
22. Sudesh K. Khanduja, On extensions of valuations with prescribed value groups and residue fields, *J. Indian Math. Soc.* 62 (1996), No. 1-4, 57-60, MR1458473.
23. Sudesh K. Khanduja and Jayanti Saha, On a generalization of Eisenstein's irreducibility criterion, *Mathematika* 44 (1997), No. 1, 37-41, MR1464373.

24. Sudesh K. Khanduja, An independence theorem in simple transcendental extensions of valued fields, *J. Indian Math. Soc.* 63 (1997), No. 1-4, 243-248, MR1618022.
25. Sudesh K. Khanduja, Valued function fields with given genus and residue field, *J. Indian Math. Soc.* 63 (1997), No. 1-4, 115-121, MR1618074.
26. Sudesh K. Khanduja, Tame fields and tame extensions, *J. Algebra* 201 (1998), No. 2, 647-655. MR1612351.
27. Sudesh K. Khanduja and Jayanti Saha, The prime and maximal ideals in $R[X]$, R a one-dimensional Prfer domain, *Indian J. Pure Appl. Math.* 29 (1998), No. 12, 1275-1279, MR1671341.
28. Sudesh K. Khanduja and Jayanti Saha, On invariants of elements over a Henselian field, *J. Indian Math. Soc.* 65 (1998), No. 1-4, 127-132, MR1750363.
29. Sudesh K. Khanduja, On Krasner's constant, *J. Algebra* 213 (1999), No. 1, 225-230, MR1674684.
30. Sudesh K. Khanduja and Usha Garg, On a query of Adrian Wadsworth, *Indian J. Pure Appl. Math.* 30 (1999), No. 9, 945-949, MR1712437.
31. Sudesh K. Khanduja and Jayanti Saha, Generalized Hensel's lemma, *Proc. Edinburgh Math. Soc.* (2) 42 (1999), No. 3, 469-480, MR1721766.
32. Sudesh K. Khanduja and Jayanti Saha, A generalized fundamental principle, *Mathematika* 46 (1999), No. 1, 83-92, MR1750405.
33. Sudesh K. Khanduja, A Characterization of Finite Tame Extensions, *Bulletin of London Math Society* 32 (2000), 551-554, MR1767708.
34. Saurabh Bhatia and Sudesh K. Khanduja, Difference polynomials and their generalizations, *Mathematika* 48 (2001), 293-299, MR1996377.
35. Kamal Aghigh and Sudesh K. Khanduja, On the main invariant of elements algebraic over a henselian valued field. *Proc. Edinburgh Math. Soc.* 45 (2002), 219-227, MR1884613.
36. Saurabh Bhatia and Sudesh K. Khanduja. A characterization of Krasners constant, *Communications Algebra* 30(6) (2002), 2975-2991, MR1908252.
37. Sudesh K. Khanduja, The Minimum Property of Krasners Constant. *Valuation theory and its applications*, Vol. I, *Fields Institute Communications* 32, *Amer. Math. Soc.*, (2002), 237-246, MR1928372.
38. Sudesh K. Khanduja, N. Popescu and K. W. Roggenkamp, On minimal pairs and residually transcendental extensions of valuations, *Mathematika* 49 (2002), 93-106, MR2059046.
39. Saurabh Bhatia and Sudesh K. Khanduja, On extensions generated by roots of lifting polynomials, *Mathematika* 49 (2002), 107-118, MR2059047.
40. Kamal Aghigh and Sudesh K. Khanduja, A note on tame fields, *Valuation theory and its applications*, Vol. II, *Fields Institute Communications* 33, *Amer. Math. Soc.*, (2003), pp 1-6, MR2018546.
41. Amrit Pal Singh and Sudesh K. Khanduja, An extension of the irreducibility criteria of Ehrenfeucht and Tverberg, *Communications Algebra* 32 (2004), 579-588, MR2101423.
42. Amrit Pal Singh and Sudesh K. Khanduja, On finite tame extensions of valued fields, *Communications Algebra* 33 (2005), No. 4, 1095-1105, MR2136686.
43. Amrit Pal Singh and Sudesh K. Khanduja, On a theorem of Tignol for defectless extensions and its converse, *Journal of Algebra* 288 (2005), No. 2, 400-408, MR2146137.
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