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Date of Birth

01.7.1951

Date of Joining JMI

28.7.1995

Academic Performance

S.No.	Year	Degree	Institution
(i)	1994	Ph.D.	University of Delhi
(ii)	1983	M.Tech.	I.I.T., Delhi (iii)
	1979	B.Tech.	I.I.T., Kanpur
(iv)	1975	B.Sc.	Agra University

Employment Profile

S.No.	From	To	Position Held	Organisation
(i)	June 16, 81	Jan.31, 84	Asstt. Engineer	D.E.S.U. Delhi
(ii)	Jan.31, 84	Jan.30, 90	Lecturer	D.C.E., Delhi
(iii)	Jan.31, 90	July 27, 95	Lecturer (Sr. Scale)	D.C.E., Delhi
(iv)	July 28, 95	Jan.23, 2002	Reader	Jamia Millia Islamia
(v)	Jan.24, 2002	Till Date	Professor	Jamia Millia Islamia

Specialization

Electronics and Communication Engineering,

Bipolar and CMOS Analogue Integrated Circuits

Highlights of Important Contributions:

(i) Courses Taught

(A) P.G. Level:

- Network Synthesis and Filter Design
- Integrated Circuits and Applied Instrumentation
- Analogue Integrated Circuits
- Signal Acquisition and Conditioning

(B) U. G. Level:

- Bipolar and CMOS Analog ICs
- Linear ICs
- Active Networks and Filter Design
- Microelectronics
- Electronic Instrumentation
- Analogue Electronics
- Signals and Systems
- Analogue Filters and Signal Processing
- Advanced Analogue Signal Processing

(ii) Research Projects Supervised

- Realization of Active Networks
- Realization of Electronically Controllable Circuits using Current Conveyors
- Realization of KHN-Biquad using OTAs
- Realization of Current-Mode Logic Gates
- Realization of Logic gates using Gilbert Multiplier Cell

(iii) Any other professional accomplishment:

- Editor IETE Journal of Education (India)
- Senior Member of IEEE (USA): Member #80509716
- Fellow of IETE (India): Member # F-215163
- Fellow IE (India): Member # F-118843-3
- Chartered Engineer: Member # F-118843-3
- Life Member of ISTE (India): Member # LM 56239

(iv) Acted / Acting as Reviewer (on invitation from the Editors) for:

- IEEE Transactions on Circuits and Systems Part-I (U. S. A).
- IET Electronics Letters (U. K.).
- International Journal of Electronics (U. K.).
- IEEE Transactions on Instrumentation and Measurement (USA)
- Microelectronics Journal (UK)
- Circuits, Systems and Signal Processing (USA)
- Frequenz: Journal of Telecommunications (Germany)
- Analog Integrated Circuits and Signal Processing (USA)
- International Journal of Electronics and Communications (Germany)
- WSEAS Transactions on Electronics (USA)
- ETRI Journal (Republic of Korea)
- Indian Journal of Applied & Pure Physics
- Indian Journal of Engineering and Materials Science

(v) Biographical Listing

- His biography is published in Marquis Who's Who (USA) 2005
- His biography is published in Marquis Who's Who Science & Engineering (USA) 2006
- His biography is published in Marquis Who's Who in the World (USA) 2006
- His biography is published in Marquis Who's Who in Asia (USA) 2007

Publication Details

Total Publication Profile

(a) Number of Papers published in refereed journals

In

India

01

Abroad

84

Ph.D Thesis Guided

Eight

Ph.D Thesis Guiding

One

Total number of doctoral thesis guided

Eight

Papers Published in Refereed International Journals

1. R. Senani, M. P. Tripathi, **D. R. Bhaskar** and A. K. Banerjee, 'Systematic generation of OTA-C Sinusoidal Oscillators', *Electronics Letters, IEE (UK)*, vol. 26, no. 18, pp. 1457-1459, August 1990; also see *ibid*, vol. 27, no. 1, pp. 100-101, January 1991.
2. R. Senani, A. K. Banerjee, M. P. Tripathi and **D. R. Bhaskar**, 'Some simple Techniques of generating OTA-C Sinusoidal Oscillators', *FREQUENZ: Journal of Telecommunications (Germany)*, vol.45, no. 7-8, pp. 177-181, July/August 1991.
3. R. Senani and **D. R. Bhaskar**, 'Single-op-amp Sinusoidal oscillators suitable for generation of Very Low Frequencies', *IEEE Trans. on Instrumentation and Measurement (USA)*, vol. 40, no. 4, pp. 777-779, August 1991.
4. R. Senani and **D. R. Bhaskar**, 'Realization of Voltage-controlled Impedances', *IEEE Trans. on Circuits and Systems (USA)*, vol. 38, no. 9, pp. 1081-1086, September 1991.
5. R. Senani and **D. R. Bhaskar**, 'A simple configuration for realizing Voltage-Controlled Impedances', *IEEE Trans. on Circuits and Systems (USA)*, vol. 39, no. 1, pp. 52-59, January 1992.

6. R. Senani and **D. R. Bhaskar**, ‘Correction to: Realization of Voltage-controlled Impedances’, *IEEE Trans. On Circuits and Systems (USA)*, vol. 39, no. 2, p. 162, February 1992.
7. **D. R. Bhaskar** and R. Senani, ‘New Current Conveyor based Single resistance controlled/voltage-controlled oscillator employing grounded capacitors’, *Electronics Letters, IEE (UK)*, vol. 29, no. 7, pp. 612-614, April 1993.
8. **D. R. Bhaskar**, M. P. Tripathi and R. Senani, ‘A class of three-OTA-two-Capacitor Oscillators with non-interacting controls’, *International Journal of Electronics (UK)*, vol. 74, no. 3, pp. 459-463, March 1993.
9. R. Senani, **D. R. Bhaskar** and M. P. Tripathi, ‘On the realization of linear Sinusoidal VCOs’, *International Journal of Electronics (UK)*, vol. 74, no. 5, pp. 727-733, May 1993.
10. **D. R. Bhaskar**, M. P. Tripathi and R. Senani, ‘Systematic derivation of all possible Canonic OTA-C Sinusoidal Oscillators’, *Journal of the Franklin Institute (USA)*, vol. 330, no. 5, pp. 885-903, September 1993.
11. **D. R. Bhaskar** and R. Senani, ‘New linearly tunable CMOS-compatible OTA-C oscillators with non-interacting controls’, *Microelectronics Journal (UK)*, vol. 25, pp. 115-123, April 1994.
12. R. Senani and **D. R. Bhaskar**, ‘Versatile Voltage-Controlled Impedance Configuration’, *IEE Proceedings Part G: Circuits, Devices and Systems (UK)*, vol. 141, no. 5, pp. 414-416, October 1994.
13. R. Senani and **D. R. Bhaskar**, ‘New active-R Sinusoidal VCOs with linear tuning laws’, *International Journal of Electronics (UK)*, vol. 80, no. 1, pp. 57-61, January 1996.
14. **D. R. Bhaskar**, ‘Single Resistance Controlled Sinusoidal Oscillator Using Single FTFN’, *Electronics Letters, IEE (UK)*, vol. 35, no. 3, p. 190, February 1999.
15. **D. R. Bhaskar**, V. K. Sharma, M. Monis and S. M. I. Rizvi, ‘New Current Mode Universal Biquad Filter’, *Microelectronics Journal (UK)*, vol. 30, no. 9, pp. 837-839, September 1999.
16. **D. R. Bhaskar** and M. P. Tripathi, ‘Realisation of novel linear Sinusoidal VCOs’, *Analog Integrated Circuits and Signal Processing (USA)*, vol. 24, no. 3, pp. 263-267, September, 2000.
17. **D. R. Bhaskar**, ‘Grounded -capacitor SRCO using only one PFTFN’, *Electronics Letters, IEE (UK)*, vol. 38, no. 20, pp. 1156-1157, September, 2002.
18. **D. R. Bhaskar**, ‘Realization of Second-order Sinusoidal Oscillator/Filters with Non-Interacting Controls using CFAs’, *FREQUENZ: Journal of Telecommunications (Germany)*, vol. 57, no. 1/2 pp. 12-14, January/February, 2003.
19. **D. R. Bhaskar**, Dinesh Prasad and S. A. Imam, ‘Grounded - Capacitor SRCOs realized through a general scheme’, *FREQUENZ: Journal of Telecommunications (Germany)*, vol. 58, no. 7/8, pp. 175-177, July / August 2004.
20. R. Senani, V. K. Singh, A. K. Singh and **D. R. Bhaskar**, ‘Novel electronically controllable current-mode universal biquad filter’, *IEICE Electronics Express (Japan)*, vol. 1, no. 14, pp. 410-415, October 25, 2004.
21. **D. R. Bhaskar**, A. K. Singh, R. K. Sharma and R. Senani, ‘New OTA-C universal current-mode/trans-admittance biquads’, *IEICE Electronics Express (Japan)*, vol. 2, no. 1, pp. 8-13, January 10, 2005.
22. **D. R. Bhaskar** and R. Senani, ‘New FTFN-based Grounded-Capacitor SRCO with explicit current-mode output and reduced number of resistors’, *International Journal of Electronics and Communications (AEU) (Germany)*, vol. 59, no. 1, pp. 48-51, January-February 2005.
23. M. Kulkarni and **D. R. Bhaskar**, ‘Performance Analysis of Turbo-Coded Optical CDMA Systems’, *Journal of Optical Communications (Germany)*, vol. 26, no. 3, pp. 131-137, June 2005
24. R. Senani, V. K. Singh, A. K. Singh and **D. R. Bhaskar**, ‘Tunable current-mode universal biquads employing only three MOCCs and all grounded passive elements: additional new realizations’, *FREQUENZ: Journal of RF- Engineering and Telecommunications (Germany)*, vol. 59, no. 9/10, pp. 220-224, September/October 2005.
25. V. K. Singh, A. K. Singh, **D. R. Bhaskar** and R. Senani, ‘Novel mixed-mode universal biquad configuration’, *IEICE Electronics Express (Japan)*, vol. 2, no. 22, pp. 548-553, November 25, 2005.
26. V. K. Singh, R. K. Sharma, A. K. Singh, **D. R. Bhaskar** and R. Senani, ‘Two new canonic single-CFOA oscillators with single resistor controls’, *IEEE Trans. on Circuits and Systems II: Express Brief (USA)*, vol. 52, no. 12, pp. 860-864, December 2005.
27. M. Kulkarni, R. K. Sinha and **D. R. Bhaskar**, ‘ System Performance Comparison of Turbo and Trellis Coded Optical CDMA Systems’, *International Journal of Information and Communication Engineering*, vol. 3, no. 3, pp. 187-192, 2006.
28. S. S. Gupta, R. K. Sharma, **D. R. Bhaskar** and R. Senani, ‘Synthesis of Sinusoidal Oscillators with Explicit-Current-Output using Current Feedback Op-Amps’, *WSEAS Trans. on Electronics*, vol. 3, no. 7, pp. 385-388, July 2006.

29. V. K. Singh, A. K. Singh, **D. R. Bhaskar** and R. Senani, ‘New universal biquads employing CFOAs’, *IEEE Trans. on Circuits and Systems II: Express Brief (USA)*, vol. 53, no. 11, pp. 1299-1303, November 2006.
30. **D. R. Bhaskar** and R. Senani, ‘New CFOA-based Single-element- controlled Sinusoidal Oscillators’, *IEEE Trans. on Instrumentation and Measurement (USA)*, vol.55, no.6, pp.2014-2021, December 2006.
31. **D. R. Bhaskar**, R. K. Sharma, A. K. Singh and R. Senani, ‘ New Dual-mode biquads using OTAs’, FREQUENZ: Journal of RF- Engineering and Telecommunications (Germany), vol. 60, no. 11/12, pp. 246-252, November /December 2006.
32. **D. R. Bhaskar** and Dinesh Prasad, ‘New Current Mode Biquad Filter Using CFOAs’, *Journal of Active and Passive Electronic Devices (USA)*, vol. 2, no.4, pp. 293-298, 2007.
33. Dinesh Prasad, **D. R. Bhaskar** and A. K. Singh, ‘Realization of Single-Resistance-Controlled Sinusoidal Oscillator: A new application of the CDTA’, *WSEAS Trans. on Electronics*, vol.5, no. 6, pp. 257-259, June 2008.
34. R. Senani and **D. R. Bhaskar**, ‘Comment Practical voltage / current-controlled grounded resistor with dynamic range extension’, *IET Circuits Devices Syst.(UK)*, vol.2, no.5, pp.465-466, October 2008.
35. R. K. Sharma, R. Senani, **D. R. Bhaskar**, A. K. Singh and S. S. Gupta ‘Electronically- Controllable floating inductor using operational mirrored Amplifier’, *Journal of Circuits, Systems, and Computers (USA)*, vol. 18, no.1, pp. 59-66, February, 2009.
36. S. S. Gupta, **D. R. Bhaskar** and R. Senani, ‘New Voltage Controlled Oscillators Using CFOAs’, *International Journal of Electronics and Communications (AEU) (Germany)*, vol. 63 no. 3, pp. 209-217, March 2009.
37. S. S. Gupta, **D. R. Bhaskar**, R. Senani and A. K. Singh, ‘Inverse active filters employing CFOAs’, *Electrical Engineering (Archiv fur Elektrotechnik) (Germany)*, vol.91, no.1, pp.23-26, June 2009.
38. R. Senani, **D. R. Bhaskar**, S. S. Gupta and V. K. Singh, ‘A Configuration for Realizing Floating, Linear, Voltage-Controlled Resistance, Inductance and FDNC Elements’, *International Journal of Circuit Theory and Applications (USA)*, vol. 37, no. 5, pp. 709-719, June, 2009.
39. Dinesh Prasad, **D. R. Bhaskar** and A. K. Singh, ‘Universal Current-mode Biquad Filter using Dual Output Current Differencing Transconductance Amplifier’, *International Journal of Electronics and Communications (AEU) (Germany)*, vol. 63, no 6, pp. 497-501, June 2009.
40. Dinesh Prasad, **D. R. Bhaskar** and A. K. Singh, ‘Multi-function Biquad Using Single Current Differencing Transconductance Amplifier”, *Analog Integrated Circuits and Signal Processing (USA)*, vol. 61, no. 3, pp. 309-313, December 2009.
41. **D. R. Bhaskar**, R. Senani and A. K. Singh, ‘Realization of linear sinusoidal VCOs: New Configurations using Current feedback Op-Amps’, *International Journal of Electronics (UK)*, vol. 97, no. 3, pp. 263-272, March 2010.
42. S. S .Gupta, R. K Sharma, **D. R. Bhaskar** and R. Senani, ‘Sinusoidal oscillators with explicit-current-output employing current feedback op-amps’, *International Journal of Circuit Theory and Applications (USA)*, vol. 38, no. 2, pp. 131-147, March 2010.
43. Dinesh Prasad, **D. R. Bhaskar** and A. K. Singh, ‘New Grounded and Floating Simulated Inductance Circuits Using Current Differencing Transconductance Amplifiers’, *Radio Engineering Journal (Czech Republic)*, vol. 19, no. 1, pp. 194-198, April 2010.
44. **D. R. Bhaskar**, R. Senani A. K. Singh and S. S. Gupta, ‘Two simple analog multiplier based linear sinusoidal VCOs using a single current feedback op-amp’, *Circuits and Systems (USA)*, vol. 1, no. 1, pp. 1-4, August, 2010.
45. Kasim K Abdalla, **D. R. Bhaskar** and R. Senani, ‘New Universal Current-mode Biquad Using All Grounded passive Components and without requiring any Component –Matching’, *Journal of Active and Passive Electronic Devices (USA)*, vol. 6, no.1-2, pp. 101-107, 2011.
46. **D. R. Bhaskar**, Kasim K. Abdalla and Raj Senani, ‘New SRCO with explicit current-mode output using two CCs and grounded capacitors’, *Turkish Journal of Electrical Engineering and Computer Sciences(Turkey)*, vol. 19, no. 2, pp. 235-242, 2011.
47. Dinesh Prasad, **D. R. Bhaskar** and A. K. Singh, ‘Electronically Controllable Grounded Capacitor Current-mode Quadrature Oscillator using single MO-CCCDTA’, *Radio Engineering Journal (Czech Republic)*, vol.20, no.1, pp. 354-359, April 2011.
48. **D. R. Bhaskar**, Kasim K Abdalla and R. Senani, ‘Electronically Controlled Current-mode second order Sinusoidal Oscillators Using MO-OTAs and Grounded Capacitors’, *Circuits and Systems (USA)*, vol.2, no. 1, pp. 65-73, April 2011.
49. A. K. Singh, R. Senani, **D. R. Bhaskar** and R. K. Sharma, ‘A New Electronically tunable active only Universal Biquad’, *Journal of Circuits, Systems, and Computers (USA)*, vol. 20, no. 3, pp. 549-555, May 2011.

50. S. S. Gupta, **D. R. Bhaskar**, R. Senani and A. K Singh, ‘Synthesis of linear VCOs: the state-variable approach’, Journal of Circuits, Systems, and Computers (USA), vol. 20, no. 4, pp. 587-606, June 2011.
51. Dinesh Prasad, **D. R. Bhaskar** and K. L. Pushkar, ‘Realization of New Electronically Controllable Grounded and Floating Simulated Inductance Circuits using Voltage Differencing Differential Input Buffered Amplifiers’, Active and Passive Electronic Components(USA), vol. 2011, Article ID 101432, doi:1155/2011/101432.
52. S. S. Gupta, **D. R. Bhaskar** and R. Senani, ‘New Analog Inverse Filters realized with CFOAs’, International Journal of Electronics (UK), vol. 98, no. 8, pp. 1103-1113, August 2011.
53. R. Senani, Kasim K. Abd Alla and **D. R. Bhaskar**, ‘A state variable method for the realization of universal current-mode biquads’, Circuits and Systems (USA), vol.2, no. 4, pp. 286-292, October 2011.
54. Ashish Gupta, R. Senani, **D. R. Bhaskar** and A. K. Singh, ‘OTRA-based Grounded –FDNR and Grounded-Inductance Simulators and their Applications’, Circuits, Systems and Signal Processing (USA), vol. 31, no. 2, pp. 489-499, 2012.
55. Kasim K Abdalla, **D. R. Bhaskar** and R. Senani, ‘Configuration for Realizing a Current-Mode Universal Filter and Dual-Mode Quadrature SRCO’, IET Circuits, Devices and Systems, vol. 6, no. 3, pp. 159-167, June 2012.
56. **D. R. Bhaskar**, S. S. Gupta, R. Senani and A. K. Singh, ‘New CFOA-based Sinusoidal Oscillators retaining independent control of oscillation frequency even under the influence of parasitic impedances’, Analog Integrated Circuits and Signal Processing (USA), vol. 73, no. 1, pp. 427-437, October 2012.
57. Dinesh Prasad and **D. R. Bhaskar**, ‘Electronically-controllable explicit current output sinusoidal oscillator employing single VDTA’ ISRN Electronics (USA), vol. 2012, Article ID 382560,5 pages, doi:10.5402/2012/382560.
58. S. S. Gupta, **D. R. Bhaskar** and R. Senani, ‘Synthesis of new single CFOA-based VCOs incorporating the voltage summing property of analog multipliers’, ISRN Electronics(USA), vol. 2012, Article ID 463680, 8 pages, doi: 10.5402/2012/463680.
59. Kasim K. Abdalla, **D. R. Bhaskar** and R. Senani, ‘ A review of the evolution of current-mode circuits and techniques and various modern analog circuit building blocks’, Nature and Science, vol. 10, no. 10, pp. 1-13, 2012.
60. Dinesh Prasad and **D. R. Bhaskar**, ‘Grounded and floating inductance simulation circuits using VDTAs’, Circuits and Systems (USA), vol. 3, no. 4, pp. 342-347, October 2012.
61. R. Senani and **D. R. Bhaskar**, ‘New Lossy/Loss-less Synthetic Floating Inductance Configuration realized with only two CFOAs’, Analog Integrated Circuits and Signal Processing (USA), vol. 73, no. 3, pp. 981-987, December 2012.
62. Dinesh Prasad, **D. R. Bhaskar** and K. L. Pushkar, ‘ Electronically Controllable Sinusoidal oscillator employing CMOS VD-DIBAs’, ISRN Electronics(USA), vol. 2013, Article ID 823630, 6 pages doi: 10.1155/2013/823630.
63. Dinesh Prasad, **D. R. Bhaskar** and Mayank Srivastava, ‘Universal current-mode biquad filter using a VDTA’, Circuits and Systems (USA), vol. 4, no. 1, pp. 32-36, January 2013.
64. K. L. Pushkar, **D. R. Bhaskar** and Dinesh Prasad, ‘ Voltage-mode universal biquad filter employing single voltage differencing differential input buffered amplifier’, Circuits and Systems (USA), vol. 4, no. 1, pp. 47-51, January 2013.
65. K. L. Pushkar, **D. R. Bhaskar** and Dinesh Prasad, ‘A New MISO-Type Voltage-Mode Universal Biquad Using Single VD-DIBA’, ISRN Electronics(USA), vol. 2013, Article ID 478213, 5 pages, doi.org/10.1155/2013/478213.
66. K. L. Pushkar, **D. R. Bhaskar** and Dinesh Prasad, ‘Single-resistance-controlled sinusoidal oscillator using single VD-DIBA’, Active and Passive Electronic Components (USA), Vol. 2013, Article ID 971936, 5pages, doi.org/10.1155/2013/971936.
67. Dinesh Prasad, Mayank Srivastava and **D. R. Bhaskar**, ‘Electronically controllable fully- uncoupled explicit current-mode quadrature oscillator using VDTAs and grounded capacitors’, Circuits and Systems (USA), vol. 4, no. 2, pp. 169-172, April 2013.
68. Ashish Gupta, R. Senani, **D. R. Bhaskar** and A. K. Singh, ‘ New OTRA-Based Generalized Impedance Simulator’, ISRN Electronics (USA), vol. 2013, Article ID 907597, 10 pages, doi.org/10.1155/2013/907597.
69. **D. R. Bhaskar**, Dinesh Prasad and K. L. Pushkar, ‘Fully uncoupled Electronically Controllable Sinusoidal oscillator employing VD-DIBAs’, Circuits and Systems (USA), vol. 4, no. 3, pp. 264-268, July 2013.
70. **D. R. Bhaskar**, Dinesh Prasad and K. L. Pushkar, ‘Electronically-controllable grounded-capacitor-based grounded and floating inductance simulated circuits using VD-DIBAs’, Circuits and Systems (USA), vol. 4, no. 5, pp. 422-430, September 2013.

71. K. L. Pushkar, **D. R. Bhaskar** and Dinesh Prasad, ‘Voltage-mode new universal biquad filter configuration using a single VDIBA’, Circuits, Systems and Signal Processing (USA), vol. 33, no. 1, pp. 275-285, January 2014.
72. Dinesh Prasad, **D. R. Bhaskar** and Mayank Srivastava, ‘Universal voltage-mode biquad filter using voltage differencing transconductance amplifier’, Indian journal of Applied & Pure Physics, vol. 51, no. 12, pp. 864-868, 2014.
73. R. Senani, M. Gupta, **D. R. Bhaskar** and A. K. Singh, ‘Generation of equivalent forms of operational trans-conductance amplifier-RC sinusoidal oscillators: the nullor approach’, The Journal of Engineering, IET, (UK), 2014, 8pages, DOI: 10.1049/joi.2013.0200.
74. Dinesh Prasad, Mayank Srivastava and **D. R. Bhaskar**, ‘Transadmittance-type Universal Current-Mode Biquad Filter Using VDTAs’, ISRN Electronics (USA), vol. 2014, Article ID 762845, 4pages, doi.org/10.1155/2014/762845.
75. Dinesh Prasad, **D. R. Bhaskar** and A. K. Singh, ‘Current Mode Biquad Filters using CFOAs: additional new realizations’, Journal of Active and Passive Electronic Devices (USA), vol. 9, no. 4, pp. 339-346, 2014.
76. Mayank Srivastava, Dinesh Prasad and **D. R. Bhaskar**, ‘Voltage mode quadrature oscillator employing single VDTA and grounded passive elements’, Contemporary Engineering Sciences HIKARI, vol. 7, no. 27, pp. 1501-1507, 2014.
77. Dinesh Prasad, **D. R. Bhaskar** and Mayank Srivastava, ‘New single VDCC-based explicit current- mode SRCO employing all grounded passive components’ Electronics Journal (Banja Luka), vol. 18, no. 2, pp. 81-88, December 2014.
78. Ghanshyam Singh, **D. R. Bhaskar** and D. Prasad, ‘Three-input one-output voltage-mode MISO-type biquad using OTAs’, Int. J. of Electronics, Electrical and Computational systems, vol.4, special issue, March 2015.
79. Ghanshyam Singh, D. Prasad, and **D. R. Bhaskar**, ‘ Single VDVTA-based voltage-mode biquad filter’, Circuits and Systems (USA), vol. 6, no. 3, pp.55-59, March 2015.
80. **D. R. Bhaskar** and R. Senani, ‘Synthetic floating inductors realized with only two current feedback op-amps’, American Journal of Electrical and Electronic Engineering (USA), vol. 3, no. 4, pp. 88-92, 2015.
81. Dinesh Prasad, Kuldeep Panwar, **D. R. Bhaskar** and Mayank Srivastava, ‘ CDDITA-based voltage-mode first order all pass filter configuration’, Circuits and Systems (USA), vol. 6, pp. 252-256, November 2015.
82. R. Senani, **D. R. Bhaskar**, M. Gupta and A.K. Singh, ‘ Canonic OTA-C Sinusoidal Oscillators: generation of New grounded-capacitor versions’, American Journal of Electrical and Electronic Engineering (USA), vol. 3, no. 6, pp. 137-146, 2015.
83. R. Senani, A.K. Singh, A. Gupta and **D. R. Bhaskar**, ‘Simple Simulated Inductor, Low-Pass/Band-Pass Filter and Sinusoidal Oscillator Using OTRA’, Circuits and Systems (USA), Vol. 7, pp. 83-99, March 2016.
84. **D. R. Bhaskar**, D. Prasad, R. Senani, M. K. Jain, V.K. Singh and D.K. Srivastava, ‘New Fully-Uncoupled Current-Controlled Sinusoidal Oscillator Employing Grounded Capacitors , Vol. 4, no.3, pp. 81-84, June 2016.
85. Mayank Srivastava, Dinesh Prasad and **D. R. Bhaskar**, ‘New electronically tunable grounded inductor simulator employing single VDTA and one grounded capacitor’, Journal of Engineering Science and Technology (Malaysia), accepted for publication.

Books /Research Monographs Published:

1. R. Senani, **D. R. Bhaskar**, A. K. Singh and V. K. Singh, ‘Current Feedback Operational Amplifiers and Their Applications’, Springer Science+Business Media, New York,2013,ISBN 978-1-4614-5187-7
2. R. Senani, **D. R. Bhaskar**, A. K. Singh, ‘Current Conveyors: Variants, Applications and Hardware Implementations’, Springer International Publishing, Switzerland, 2015,ISBN 978-3-319-08683-5
3. Raj Senani, **D. R. Bhaskar**, V. K. Singh and R. K. Sharma, ‘Sinusoidal Oscillators and Waveform Generators using Modern Electronic Circuit Building Blocks’, Springer International Publishing, Switzerland, Hardcover ,ISBN 978-3-319-23711-4; e-Book ISBN 978-3-319-23712-1; 17
November, 2015 (release date)

Articles / Chapters Published in Book(s)

1. R. Senani, **D. R. Bhaskar**, S. S. Gupta and V. K. Singh, ‘Current–Feedback Op-Amps, Their Applications, Bipolar/CMOS Implementations and Their Variants’, Ch. 3, pp. 61-84, in ‘Integrated Circuits for Analog Signal Processing, Edited by Esteban Tlelo-Cuaute, Springer (USA),2012.
2. R. Senani, **D. R. Bhaskar**, A. K. Singh and V. K. Singh, ‘Synthesis of Electronically-Controllable Signal Processing/Signal Generation Circuits using Modern Active Building Blocks’,Ch. 2, pp. 195-221, in ‘ Analog /RF and Mixed-Signal Circuit Systematic Design’, Edited by Mourad Fakhfakh, Esteban Tlelo-Cuaute and Rafael Castro-Lopez, Springer (USA) 2013.
3. R. Senani, **D. R. Bhaskar**, A. K. Singh and R. K. Sharma, ‘Synthesis of Analog Circuits using only Voltage and Current Followers as Active Elements’, Ch. 1, pp. 289-315 in Analog /RF and Mixed-Signal Circuit Systematic Design’ , , Edited by Mourad Fakhfakh, Esteban Tlelo-Cuaute and Rafael Castro-Lopez, Springer (USA) 2013.

Papers Published in International Conferences / Proceedings

1. S. Shah and **D. R. Bhaskar**, ‘Design of KHN Biquad using Operational Transconductance Amplifier’, 45th Midwest symposium on circuits and systems (MWSCAS), vol. 1, pp. 48-51, 4-7 August, 2002.
2. S. S. Gupta, R. K. Sharma, **D. R. Bhaskar** and R. Senani, ‘Synthesis of Sinusoidal Oscillators with Explicit-Current-Output using Current Feedback Op-Amps’, Proc. of the 5th WSEAS Int. Conf. on Circuits, Systems, Electronics, Control & Signal Processing, pp. 242-245, Dallas (USA), November 1-3, 2006.
3. **D. R. Bhaskar**, Kasim K. Abdalla and R. Senani, ‘New SRCO with explicit current-mode output using two CCs and grounded capacitors’, 6th Int. Conf. on Electrical and Electronics Engineering (ELECO 2009), vol. 2, pp. 42-44, Bursa, Turkey, 5-8 November 2009.
4. R. K. Sharma, R. Senani, **D. R. Bhaskar**, A. K. Singh and S. S. Gupta, ‘ Electronically-Controllable Floating Inductor using OMA with Enhanced input Dynamic Range’, 6th Int. Conf. on Electrical and Electronics Engineering (ELECO 2009), vol. 2, pp. 63-66, Bursa, Turkey, 5-8 November 2009.
5. **D. R. Bhaskar** and R. Senani, ‘Simulation of a floating inductance: A new two-CFOA-based configuration’, 2013Fifth International Conference on Computational Intelligence, Modelling and Simulation (CIMSim), pp. 381-383, Seoul, South Korea, 24-26 September 2013.
6. Mayank Srivastava, Dinesh Prasad and D. R. Bhaskar, ‘New parallel R-L impedance using single VDTA and its high pass filter application’, International Conference on Signal Processing and Integrated Network (SPIN), pp. 535-537, Amity University, Noida, 20-21 February 2014.