



| Department of Electrical and Electronics Engineering | | | |
|---|---|-------------------|-------------------|
| NAME | Dr. J.BASTIN SOLAI NAZARAN | | |
| UNIQUE ID | FD5057 | | |
| DESIGNATION | Professor | | |
| QUALIFICATION | M.E., Ph.D. | | |
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| EXPERIENCE | INDUSTRY | TEACHING | TOTAL |
| | | 20 Years 7 Months | 20 Years 7 Months |
| DATE OF JOINING THE INSTITUTION | 20.05.2019 | | |
| RESEARCH FOCUS | Power systems | | |
| SUBJECT COMPETENCY | Power System Analysis, Power System Operation and control, Control System, High Voltage Engineering, Soft Computing | | |
| NO OF JOURNAL PUBLICATION (INTERNATIONAL/NATIONAL) | 8 | | |
| NO OF CONFERENCE ATTENDED (INTERNATIONAL/NATIONAL) | 2 | | |
| NO OF BOOKS PUBLISHED | Nil | | |



Academic Credentials

| Level | Degree | Specialization | University | Year of Completion |
|--------------|---------------|------------------------|----------------------------|---------------------------|
| UG | B.E | EEE | Madurai Kamaraj University | 1995 |
| PG | M.E | Power systems | Anna University, Chennai | 2004 |
| Ph.D | | Electrical Engineering | Anna University, Chennai | 2015 |

Details of Journal Publication:

1. S.SELVAPERUMAL, **BASTIN SOLAI NAZARAN, J** ET AL., 'PERFORMANCE INVESTIGATION OF SHE PWM IMPLEMENTATION OF GA BASED LCL RESONANT INVERTER IN MARINE APPLICATIONS', INDIAN JOURNAL OF GEO MARINE SCIENCES, VOL.46(09),PP 1889-1898,SEP2017.
2. KR.RAMELA, **BASTIN SOLAI NAZARAN, J** AND S.B.BHARATHI, 'MAINTAINING CONSTANT DC-LINK VOLTAGE OF ADJUSTABLE SPEED DRIVE USING CUK CONVERTER', ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCES AND HUMANITIES, VOL.6,ISSUE.7,PP.608-617, 2016
3. **BASTIN SOLAI NAZARAN, J** & SELVI,K, 'INVESTIGATION OF MULTI OBJECTIVE SECURITY ENHANCED OPF WITH TRANSMISSION PRICING', ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCES AND HUMANITIES, VOL.6,ISSUE.7,PP.560-573,2016.
4. ABIRAMI S, **BASTIN SOLAI NAZARAN J** 'DC-DC BOOST CONVERTER INTEGRATED WITH VOLTAGE MULTIPLIER FOR HIGH VOLTAGE GAIN', INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH , 10(55):3398-3403 ,JANUARY 2015.
5. **BASTIN SOLAI NAZARAN, J** & SELVI,K, 'SECURITY ENHANCED OPF WITH TRANSMISSION COST SOLUTION UNDERBILATERAL AND MULTILATERAL TRANSACTIONS', APPLIED MECHANICS AND MATERIALS VOL. 573 (2014) PP 734-740 (ANNEXURE-II-1434).JUNE 2014.
6. **BASTIN SOLAI NAZARAN, J** & SELVI, K 2014, 'OPTIMAL POWER FLOW WITH TRANSMISSION COST SOLUTION UNDER BILATERAL AND MULTILATERAL TRANSACTIONS ',ARCHIVES OF ELECTRICAL ENGINEERING JOURNAL,VOL. 63, NO. 2, PP. 227-245,WYDAWNICTWONAUKOWE P W N SA, JUNE 2014(ANNEXURE-II-1581).
7. **BASTIN SOLAI NAZARAN, J** & SELVI, K, 'SECURITY ENHANCED OPTIMAL POWER FLOW WITH TRANSMISSION COST SOLUTION', IREE, VOL. 7, NO. 4,PP 4963-4970, JULY-AUGUST 2012 (PART B)(ANNEXURE-II-8797).
8. **BASTIN SOLAI NAZARAN, J** & SELVI, K 2011, 'A COVARIANCE MATRIX ADAPTED EVOLUTION STRATEGY BASED SOLUTION TO OPTIMAL POWER FLOW PLUS TRANSMISSION CHARGING ',CIIT 2011,V.V. DAS AND N. THANKACHAN (EDS.) CCIS 250, PP. 765-769,SPRINGER VERLAG (ANNEXURE-II-3769).

Details of Conference attended:

1. **BASTIN SOLAI NAZARAN J**, '*INTELLIGENT WIND TURBINE CONTROL SYSTEMS*', NCREER2018, NATIONAL CONFERENCE, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, MADURAI.
2. **BASTIN SOLAI NAZARAN J**, K.SELVI,' REACTIVE POWER LOSS ALLOCATION USING OPTIMAL TRACING METHOD', ICCCN2010 INTERNATIONAL CONFERENCE, CHETTINAD COLLEGE OF ENGG. & TECH., KARUR.
3. **BASTIN SOLAI NAZARAN J**, P.S.KANNAN, 'PSO BASED FUZZY CONTROLLER DESIGN FOR SVC TO ENHANCE POWER SYSTEM DAMPING', NPSC-2004 NATIONAL CONFERENCE ,IITM, CHENNAI, INDIA.