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3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/international conference proceedings per teacher during last five years

Consolidated number of Books/edited volumes/conference proceedings from 2016-21

Sl.No.	Year	Total number of Books/edited volumes/conference
1	2016-17	07
2	2017-18	12
3	2018-19	29
4	2019-20	19
5	2020-21	24



Konayam

3.3.3

LIST OF BOOKS AND CHAPTERS IN EDITED VOLUMES/BOOKS PUBLISHED AND PAPERS PUBLISHED IN NATIONAL/INTERNATIONAL CONFERENCE PROCEEDINGS PER TEACHER DURING 2019-20



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Sl. No	Name of the teacher	Title of the Book/chapter/pap ers in proceedings of the conference	Name of the conference/Publishe rs	ISBN/ISSN number of the proceeding
1	Dr.Manoj Narayanan K.S.	Auditing and Assurance	Himalaya Publishing House	ISBN- 978-93-5367 863-0
2	Dr.Manoj Narayanan K.S.	Management Accounting-	Himalaya Publishing House	ISBN- 978-93-5367 861-6
3	Dr.Manoj Narayanan K.S.	Cost Accounting 2	Himalaya Publishing House	ISBN- 978-93-5367 904-0
4	Dr.Manoj Narayanan K.S.	Advertisement and Sales Management	Himalaya Publishing House	ISBN- 978-93-5367 862-3
5	Dr.Manoj Narayanan K.S.	Quantitative Techniques	Kalyani Publications	ISBN- 978-93- 89713-28-2
6	Dr.Manoj Narayanan K.S.	Environment Management and human rights	Himalaya Publishing House	ISBN-978-93-5367- 455-7
7	Dr. Jyothimol P.	Non-Position as Power: A Quest into the Coetzee Narrative Space	Theorising Space, Published by Bodhi Tree Books	ISBN:978-81- 942668-5-3
8	Dr. Jyothimol P.	Women, Home and the world: Women in Vaidehi's Literary Universe	Iruvantige	978-93-88637-01-5
9	Anju John	Exploring Space of the Other in Arundathi Roy's The Ministry of Utmost Happiness	Theorising Space, Published by Bodhi Tree Books	ISBN:978-81- 942668-5-3
10 is (Dr.Kavitha Gopalakrishnan	Heal the World: Agape as Mode of Protest, Resistance and Empowerment in K.V. Dominic's Poetic Oeuvre"	Poetic Sensibility of K.V Dominic's Creative Muse Ed by Dr. Ramesh Chandra Mukhopadhyaya, Authors Press, 2019	ISBN 978-93-89110 74-6
	Dr. Jyothimol P.	Vaidehiyude Cherukathakal- Translation March 2020	Sarathi Publishers	ISBN 9789388637015
1126	Dr. Selvy Xavier	Cherukatha, Novel	Turn Books, Pala	978-9367709-12-6

13	Christina Mariam	Tailoring small	International	ISBN 2019:978-93-
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		fission	October 2019	
14	Ashly Thomas	Environmental	Learners' Book	ISBN
	, , , , , , , , , , , , , , , , , , ,	Economics	house	9788193703373
15	Dr. Aparna	Biopolymers and	Apple academic	ISBN: 978-
	Thankappan	Biomaterials	press	1351666916
16	Dr. Aparna	Thermal	Wiley	Online
	Thankappan	Characterization of		ISBN: 97835278054
	11	Polymer		57, Print
		Electrolytes		ISBN: 97835273420
		(chapter 3)		06
17	Dr Krishnaraj MV	Complementary	Brandmithra	ISBN-
	-	Chemistry for Life	Publications	9783789576713
		Science Students		
18	Dr Aswathy AV	Sahithya padanam-	Ascend Publications	ISBN-
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19	Dr. Jyothimol P.	"The Ascetic as the	Authors Press	ISBN-
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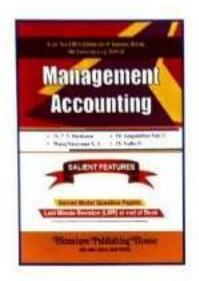


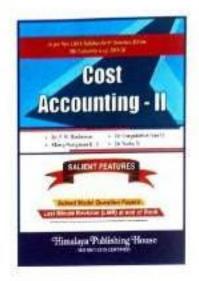
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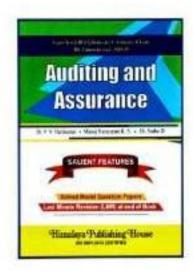
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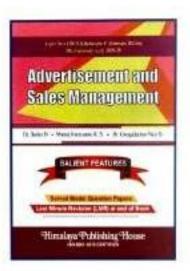
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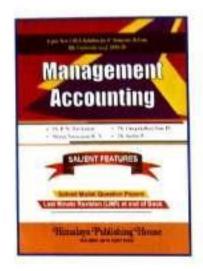


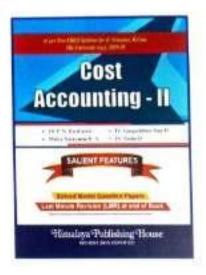
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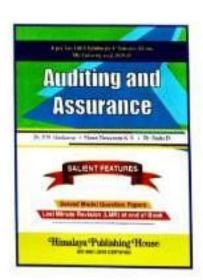
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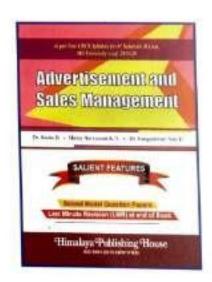


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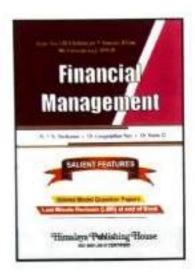
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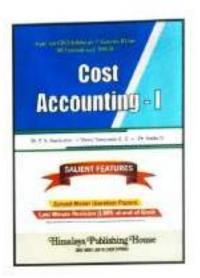
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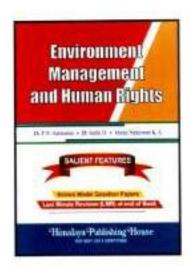


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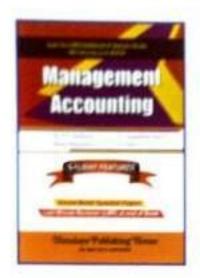


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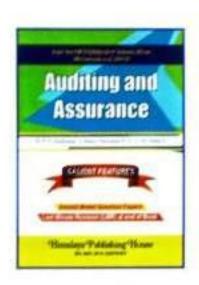
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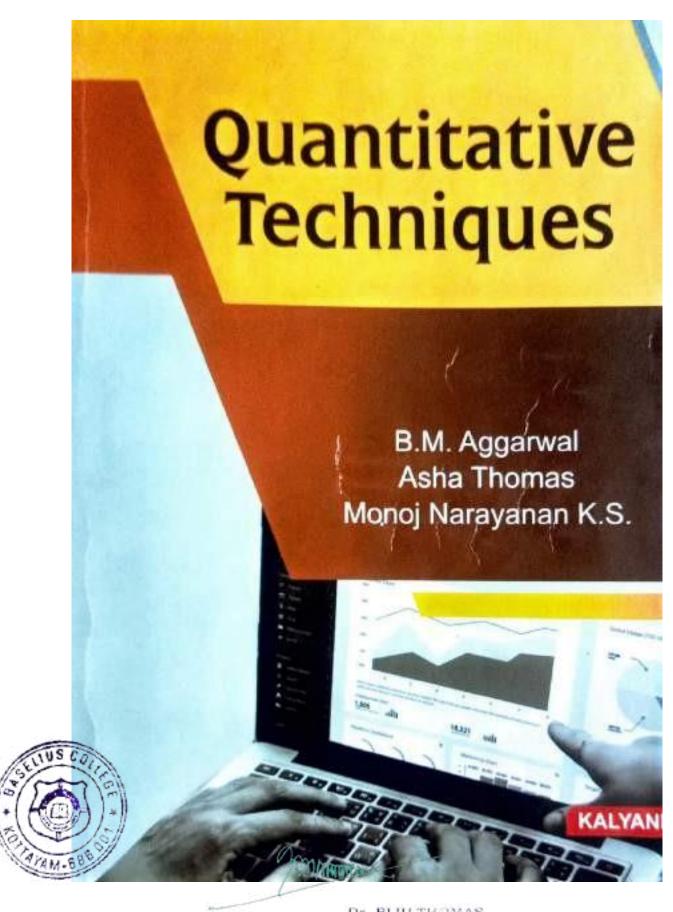
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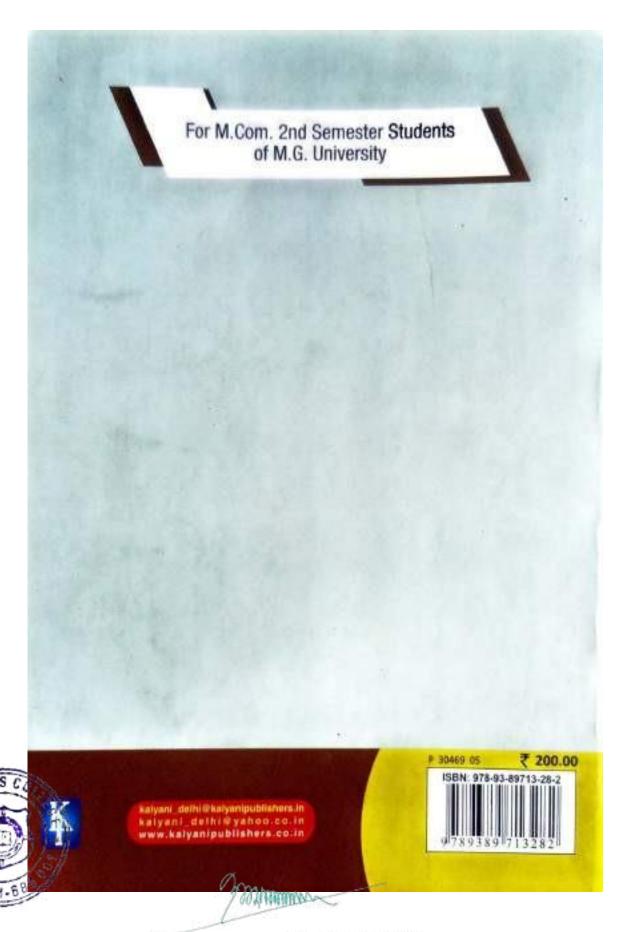
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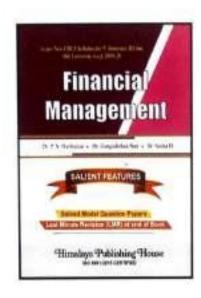
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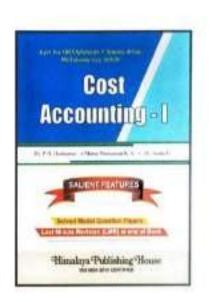
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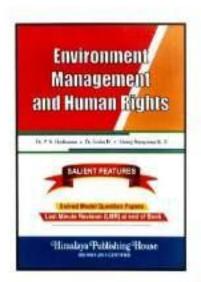


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SPACE

A Compilation of Papers Presented at "Theorizing Space: Three-Day National Conference on the Intersections of Space and Culture"

EDITOR5

Babitha Justin Gigy J. Alex Parasuraman M. N.



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Non-Position as Power: A Quest into the Coetzean Narrative Space

ustrad: The paper titled, "Non-Position as Power: A Quest into the Coetzean Marrative Space", is aimed at unraveling the space of the woman narrator in the Manual world of the South African writer J. M. Coetzee. J. M. Coetzee is regularly adrigorously engaged in exploring the ontological and epistemological issues crucial to fictional discourse. The negotiation of his authorial position and studing his location in post Apartheid South Africa are primarily through the textual positions he seeks to endorse. He strategically locates himself in the 'complex historical past and in the fractured social present of post-Apartheid South Africa" (Baral 12). As a white South African writer, Coetzee inhabits avery particular margin partly distanced from both African and English affiliations. This middle course—no man's land—is where Coetzee is situated m a dubious position of non-affiliation and non-belonging, communicated through the powerful use of women narrators. The texts chosen for the study are Foe and In the Heart of the Country for they conspicuously render the voice of the median through their self-conscious women narrators who manage to topple the dominant discourses and rewrite the equations of power through

Keywords: Fictional discourse, Women narrators, Median, Non-position



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ಸಂಪಾದಕರು: ಸವಿತಾ ನಾಗಭೂಷಣ, ತಾರಿಣಿ ಶುಭದಾಯಿನಿ



Women, Home and the World: Women in Vaidehi's Literary Universe

+ Dr. Jyothimol .P'

It is in my capacity as the translator of Vaidehi's stories to Malayalam that I came into contact with the characters in her literary universe. The women whom she portrayed simply astounded me, to say the least.

Vaidehi occupies an unparalleled space in Kannada Literature and has been the recipient of almost all the awards for her voluminous writing. The writer herself is a symbol of the emergent spirit of woman as she has carved a niche for herself in a society where women are bound by manacles forged by tradition and minds. A literary survey would reveal that she was and still is not only an agent of social change but a social chronicler as well. It is a society caught between the traditional ethos yearning to be modern yet self conscious about embracing modernity that gets amply represented in Vaidehi's textual universe.

Every woman character that she has portrayed has been able to negotiate her life in the interface between the home and the world. The inner world of domesticity does not imprison her. Instead the home space serves as her point of entry into the wide expanse of society where she liberates herself while seeming to be within its

* Associate professor and Translator, Kottayam

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Achala in Pages Interior and Abha in Abha are characters cluches. Achala in Pages Interior and Abha in Abha are characters who dare to be different in a society and challenge the notions of who dare to be different the society and challenge of the notions of who dare to be different to the society and challenge the notions of the society and characters. who dare to be different in a society and challenge the notions of ideal womanhood. They do not hesitate to live life on self regulated ideal womanhood. They do not hesitate to live life on self regulated and are not hypocritical and compromising

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I was trying to analyse the philosophy of the writer from the characters she has created and the lines she has penned. Lalso tried characters site indocessite and sulfural space occupied by Vaidehi the woman and Vaidehi, the writer. The voluminous literary contrithe woman and value of the liberal space occupied by her both as a woman and as a writer. The literary and the social space converge inher persona in apparent conformity with the patriarchal patterns. But the semblance of conformity is only a subversive strategy for interrogating the dictates of dominant discourses. The women characters emerge out of their marginality either through strategic evasion of the system or through conspicuous challenge.

Placed beside the politically conscious ambitious women, Vaidehi's men are not only colourless but powerless too. None of them commands our respect or appreciation. The apparent voicelessness and marginality of women are powerful tools masking the emerging women's discourse. It exemplifies a position of powerless power demolishing the edifices of traditional notions of society. Her women remain truly feminine and conceal in them enormous potential for social challenge and change. In the variety,

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Dr. BIJU THOMAS PRINCIPAL BASELIUS COLLEGE KOTTAYAM

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Exploring Space of the Otherin Arundhati Roy's The Ministry of **Utmost Happiness**

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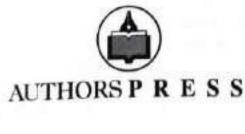
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Poetical Sensibility of K V Dominic's Creative Muse

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Dr. Ramesh Chandra Mukhopadhyaya





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12

Heal the World¹: Agape as a Mode of Protest, Resistance and Empowerment in K.V. Dominic's Poetic Oeuvre

Kavitha Gopalakrishnan

Until the great mass of the people shall be filled with the sense of responsibility for each other's welfare, social justice can never be attained. (Helen Keller)

There's a place in your heart /And I know that it is love/And this place could be much/Brighter than tomorrow / And if you really try....

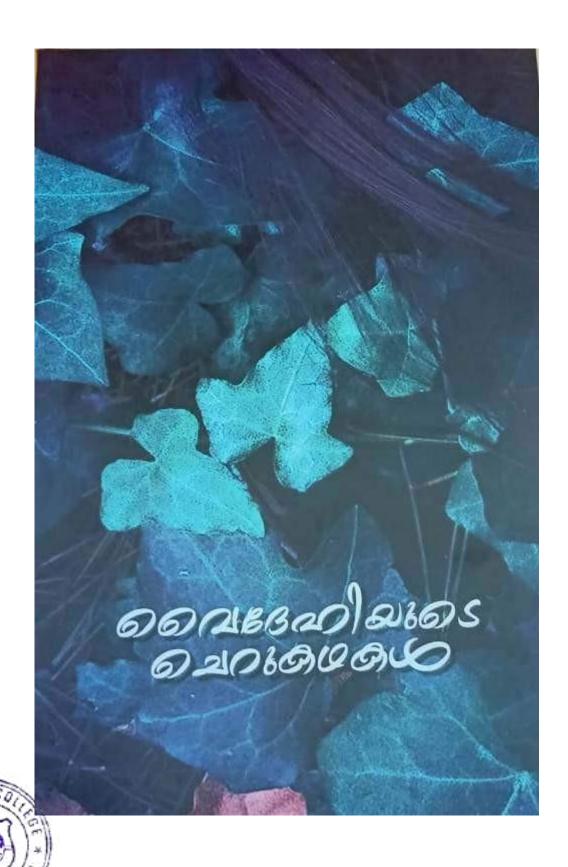
There are ways to get there/ If you care enough for the living/ Make a little space/ Make a better place.

Heal the world/ Make it a better place.... (Jackson 1992)

K.V. Dominic envisions the world as a whole with mutually reinforcing or mutually destructive interdependencies and believes that there is a mutual obligation between human, animal and plant communities. Poetry, for him, is a tool for instilling in others his all-encompassing compassion for other beings. This all-encompassing, unconditional, sacrificial love – Agape – is the dominant motif in all his poems.



The title is taken from "Heal the World", the seventh track on Michael Jackson's 1992 album Dangerous. It is one of Jackson's many songs on improving the world's circumstances.



Dr. BIJU THOMAS PRINCIPAL BASELIUS COLLEGE KOTTAYAM

MATTERINA



ബോ. താത കുര്യാക്കോസ്. വി

ബന്നേഖിയസ് കോളേജിലേ ഇംഗ്ലീഷ് വിഭാഗം മുൻ മേധാവി. കവിതകൾക്ക്, എഡിറ്റേഴ്സ് ചോയ്സ് അവാർഡ് ലഭിച്ചിട്ടുണ്ട്.



അസ്ലോസിയേറ്റ് പ്രൊഫസർ, ഇംഗ്ലീഷ് വിഭാധം, ബാസലിയന് കോളേജ്, കോട്ടയം Texts and intertexts എന്ന സൈധോതിക ഗ്രന്ഥം പ്രസിധീകരിച്ചിടുണ്ട്. മലയാള പുതികയിൽ കോളമിസ്സ് ആയിരുന്നു. ഇംഗ്ലീഷിൽ നിന്ന് മലയാളത്തിലേക്കും, യിരിച്ചും ധാരാളം പരിഭാഷകൾ നിർവ്വംവിച്ചിടുണ്ട്.





මත්. කළුණත්ම භ්වර්තණ .

കോട്ടയം ബി.സി.എം. കോട്രേജ് ഇംഗ്ലീഷ് വിദാഗം അദ്ധ്യാപിക. ജായാളസാഹിത്യത്തിൽ യല്പര.



അസിസ്റ്റന്റ് പ്രൊഫസർ, ഇംഗ്ലീഷ് വിഭാഗം, ബിസ്റ്റ്രം കോളേട്, ^{ARTS} കോട്ടയാം. Bleats and Roars എന്നു ഒരു കവിത്യാസമാഹാരം പ്രസിദ്ധീകരിച്ചിട്ടുണ്ട്.



"ഞാൻ എഴുതിയ കഥകളിലെ സ്ത്രീകഥാപാത്രങ്ങൾ മിക്കവമും എന്റെ ജീവിതത്തിൽ ഞാൻ കണ്ടിട്ടുള്ളവർ തന്നെയാണ്. ഒർത്താക്കന്മാർ ഇല്ലാത്ത, ഉണ്ടെങ്കിൽ പ്രയോജനമില്ലാത്ത, മറ്റ് ഭാരൃമാമെ സ്ഥികരിച്ച ഭർത്താക്കന്മാരുള്ള, ഒരിക്കലും തിരിച്ചുവരില്ലെന്നുറപ്പിച്ച ഭർത്താക്കന്മാർ ഉള്ള, പെട്ടെന്ന് വന്ന് പോകുന്ന ഭർത്താക്കന്മാമുള്ള സ്ത്രീകൾ | ഇവരൊക്കെ കുറുത്തുറ്റവരായിരുന്നു. വേദനകളെ മറികടക്കാൻ ഇവർ തന്നെ പുതിയ വഴികൾ കണ്ടെത്തിയിരുന്നു.

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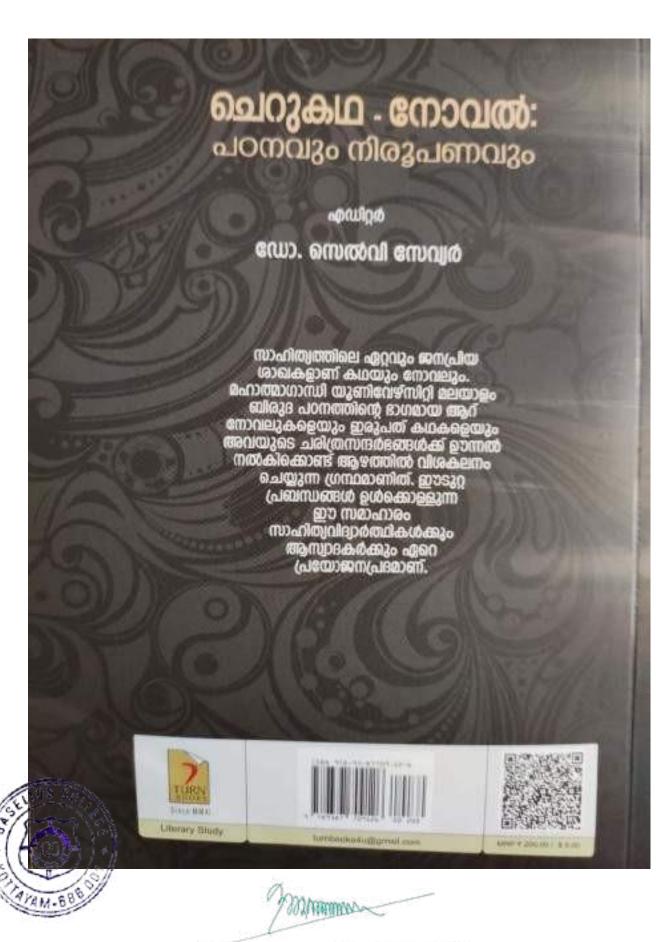


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Dr. Blatter (A)

ഡോ. സെൽവി സോദ്യർ

ദ്രാവിഡ ഗോത്രത്തിൽ ഉൾപ്പെട്ട ഒരു സ്വതന്ത്രഭാഷയാണ് മലയാളതെപ്പറ്റി ആധികാരികമായ ഒരഭിപ്രായം ആദ്യമായി രേഖപ്പെടുത്തിയത് ലീലാതിലകത്തിലാണെന്ന് കരുതാം. കേരളത്തിൽ പ്രചരിച്ച ഒരു സാഹിത്യ പ്രസ്ഥാനമോ അതിലുപരി ഭാഷാസ്വരുപമോ ആണ് മണി പ്രവാളം. മണിപ്രവാളത്തിനു ലക്ഷണഗ്രന്ഥം രചിച്ച ലീലാതിലകകാരൻ കേരള ഭാഷ സംസ്കൃതത്തിൽ തിന്ന് വൃത്യസ്തമാണെന്ന് സമർത്ഥിക്കുന്നത് കൂടാതെ അത് ദ്രാവിഡ ഭാഷകളിലൊന്നാണെന്ന് സ്ഥാപിക്കുകയും ചെയ്യുന്നു.

എ.ഡി. 800 നടുത്തുവരെ കേരളം മിക്കവാറും തമിഴകത്തിന്റെ ഒരു ഭാഗമായിരുന്നു. തമിഴിന്റെ പ്രാദേശികഭേദമായിരുന്നു അന്നത്തെ കേരളഭാഷ. എ. ഡി. 9-ാം ശതകത്തോടുകൂടി മലനാട്ടു തമിഴ്, ചരിത്രപരമായ ചില സവിശേഷ സാഹചരുങ്ങളിൽ, സംസ്കൃത പ്രാകൃതങ്ങളുടെ സ്വാധീനത്തിൽപ്പെട്ട് പ്രത്യേകമൊരു ഭാഷയായി വളർന്നു തുടങ്ങി. ഈ കാലഘട്ടത്തിലാണ് മലയാളത്തിൽ ലേഖന സമ്പ്രദായവും ആരംഭിച്ചതെന്ന് കരുതാവുന്നതാണ്.

മലയാള ഭാഷയ്ക്കു ഓരോരോ കാലഘട്ടങ്ങളിലായി വട്ടെഴുത്ത്, കോലെഴുത്ത്, ആര്യ എഴുത്ത് എന്നിങ്ങനെ മുന്നുതരം ഗ്രന്ഥലിപികൾ പ്രചാരത്തിലുണ്ടായിരുന്നു. 17-ാം നൂറ്റാണ്ടിന്റെ അവസാനംവരെ സാധാരണ എഴുത്തുകുത്തുകൾ നടത്തിയിരുന്നതു വട്ടെഴു ത്തിലായിരുന്നു. മലയാളം വ്യക്തിത്വമാർന്ന ഒരു സ്വതന്ത്രഭാഷയായി വികസിച്ചതോടെ വട്ടെഴുത്ത് ഉപേക്ഷിക്കുകയും പുതിയ ലിചി സമ്പ്രദായം സ്വീകരിക്കുയും ചെയ്തു.

കൊല്ലവർഷം 426-ൽ ഉണ്ടായ ആറ്റൂർ താമ്രശാസനമാണ് ഇന്നേവരെ ലഭിച്ചിട്ടുള്ള മലയാള ഗദൃകൃതികളിൽ പ്രാചീനമെന്ന് കരുതപ്പെടുന്നു. തനിമലയാളത്തിന്റെ പ്രാഗ്രൂപങ്ങൾ പലതും അതിൽ കാണുവാൻ കഴിയും. വീരമാഘവ പട്ടയം, കൊല്ലവർഷം അഞ്ചാമാണ്ടടുപ്പിച്ചുണ്ടാത

PROCEEDINGS

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(ICPSE 2019)

October 16-19, 2019

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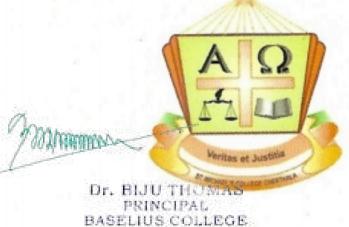
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Kottayam, Kerala, India







KOTTAYAM







International Conference on Photochemistry and Sustainable Energy

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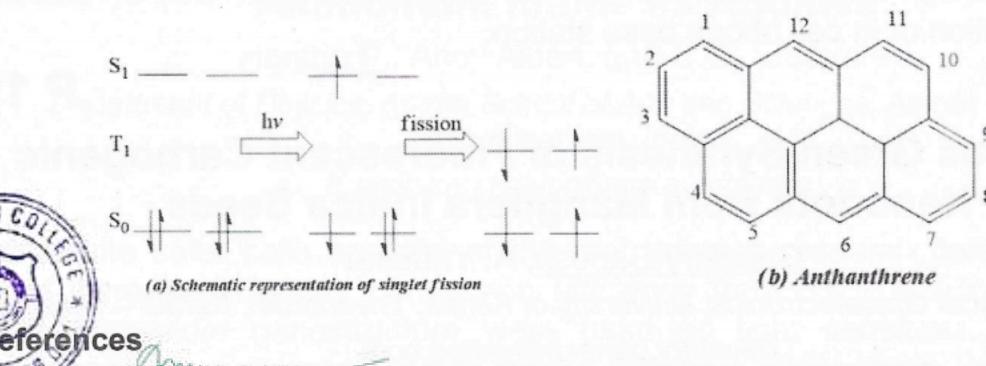
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Inter University Instrumentation Centre (IUIC) Jahatma Gandhi University, Kottayam, Kerala, India

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conversion. Singlet fission is a photophysical processobserved in some organic compounds where an excited singlet state is transformed into two triplet excitons. This process begins from an excited singlet state which requires an initial activation energy through photoabsorption process. Therefore, it can be considered as a molecular analogue of multi exciton generation in inorganic semiconductors. This strongly revitalized an interest towards singlet exciton fission in organic materials as a pathway to overcome the Schokley- Queisser limit of single junction solar cells. It is a multichromophoric, spin allowed rapid process. There are two thermodynamic criterias for a molecule to exhibit singlet fission: (i) $E(S_1) \ge 2E(T_1)$, so that singlet fission will be spontaneous and (ii) $E(T_2) \ge 2E(T_1)$ to prevent the triplet fusion to higher triplet manifold. Currently, few highly efficient singlet fission materials exist. In this presentation we discuss our effort in tailoring small organic molecules exhibiting singlet fission property.

Large alternant hydrocarbons such as pentacene are identified as the important class of singlet fission chromophore. In this work another polyacene molecule called anthanthrene (Dibenzo[def,mno]chrysene) has been computationally explored for singlet fission applications. Compared to other linear acenes, anthanthrene (Dibenzo[def,mno]chrysene) possesses greater stability towards photooxidation and degradative chemical reactions making them suitable for photovoltaic applications. We have adopted silicon substitution strategy to design singlet fission molecules based on anthanthrene. There is a significant reduction in S₀-S₁ gap on silicon substitution in anthanthrene but a reduction in S₀₋T₁ is more pronounced on substitution at 1,3, and 6 positions in anthanthrene making them singlet fission chromophores. Among the different silicon substituted compounds, it was found that singlet fission is highly exoergic in 6-silaanthanthrene. Various EDG and EWG were substituted at 12 position in 6-silaanthanthrene to tune their electronic energies and singlet fission energies. Inspired by the reports that charge-transfer in molecules also affects the singlet and triplet manifolds, D-π-A type molecules based on 6-silaanthanthrene capable of exhibiting singlet fission were also computationally designed.



Padula D. Omar.O.H., Nematiaram.T., Troisi.A., *Energy Environ.Sci.*, **2019**,12,2412-2416

2. Smith, M.B., Michille Annu. Rev. Phys. Chem. 2013, 64,361

Visible spectral analysis reveals the material properties like band gap refractive index and extinction coefficient of ZnC.

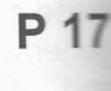
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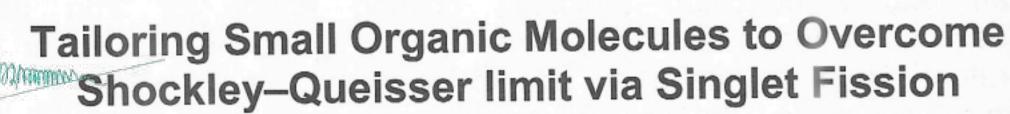
Facile Synthesis of Carbon Dots from Dregea volubilis

R. Seema^{1, 2}, E. Chinjusha³

¹ Department of Physics, CMS College, Kottayam, Kerala, India. ²Nanotechnology and Advanced Materials Research Centre, CMS College, Kottayam, Kerala, India. MPMMSN Trust College, Shornur, Palakkad Calicut University

Carbon quantum dots (CQDs) were prepared from Dregea volubilis. The synthesized carbon quantum dots were characterized by TEM, UV-Vis absorption, Photoluminescence and FTIR. The FTIR spectrum reveals that the as-synthesized CQDs consist of alcohol (OH) and ketone (C=O) functional group. These functional groups can be very useful and work as linkers for drug attachment. The UV-visible spectra of purified CQDs showed maximum peaks at 275 nm which is a characteristic of CQDs. The photoluminescent spectra of the CQDs are record the maximum emission wavelength is at 452.40 nm for the excitation at 370 nm. A decrease in intensity can also be noted from the PL spectra at different excitation wavelengths. TEM analysis showed that the CQDs obtained were spherical in shape and below 10 nm. SAED pattern demonstrated the amorphous nature of the CQDs. Dregea volubilis is a good precursor for green synthesis of CQDs. The method used for synthesis has many advantages over other conventional methods e.g. Dregea volubilis produces biocompatible CQDs. and the size of the CQDs obtained were below 10 nm which is ideal for the applications like drug delivery, gene delivery and bio-imaging. Moreover, it is a simple and cost effective method that does not need expensive instruments. and chemicals.



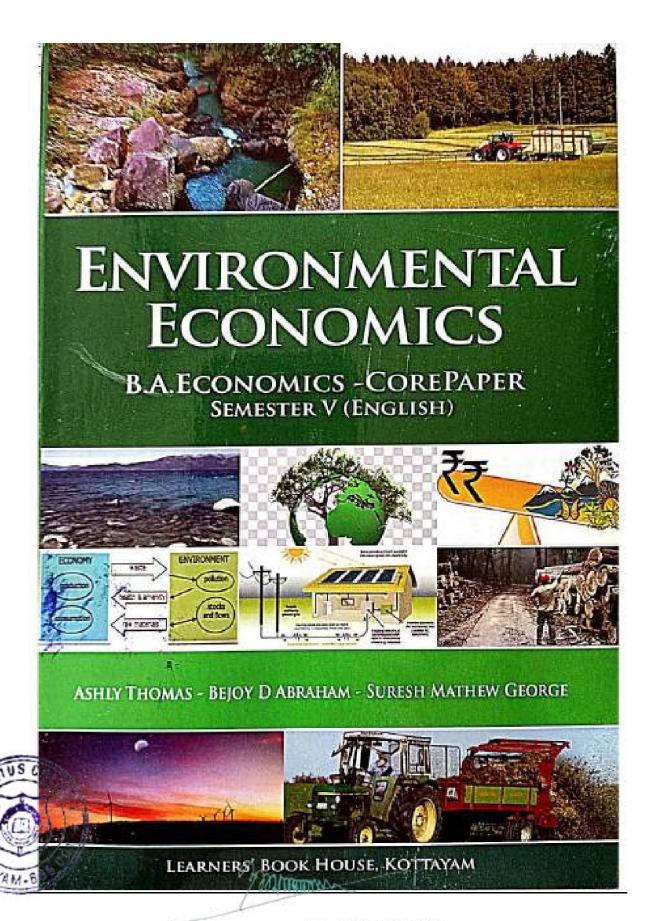


Christina Mariam Mathew[#], Sunish K Sugunan* and Vibin Ipe Thomas*

*Department of Chemistry, Baselius College, Kottayam, Kerala, India,

*Department of Chemistry, CMS College, Kottayam, Kerala, India

Surpassing the Shockley–Queisser limit, which places an upper bound on solar conversion efficiency for a single p–n junction solar cell at slightly more than 30%, is a leading example of transformative shifts in solar-energy research. Singlet fission has the potential to significantly improve solar-energy



ENVIRONMENTAL ECONOMICS

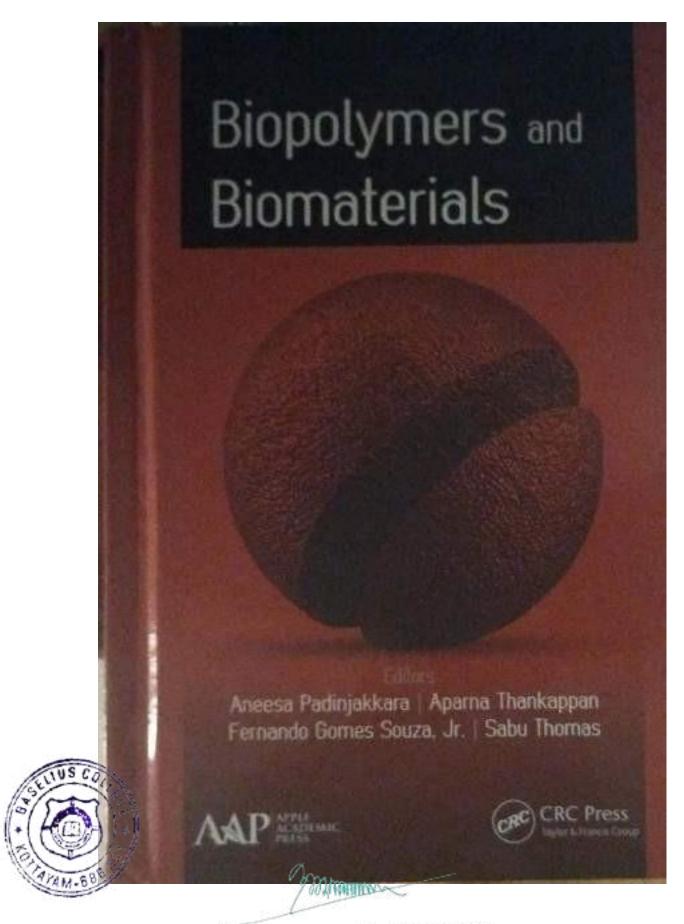
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MATATATA



BIOPOLYMERS AND BIOMATERIALS

Edited by

Aneesa Padinjakkara Aparna Thankappan Fernando Gomes Souza, Jr. Sabu Thomas





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Edited by Tan Winie, Abdul K. Arof, and Sabu Thomas

Polymer Electrolytes

Characterization Techniques and Energy Applications



Dr. HIJU TEXMAS PRINCIPAL

BASELIUS COLLEGE KOTTAYAM

Thermal Characterization of Polymer Electrolytes

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3.1 Introduction

Electrolyte materials play an important role in electrochemical applications, which help to transmit electrons and ions during the charge—discharge process. It consists of ionizable species, which are easily dissolved in solvents with high dielectric constants. In 1972, Fenton et al. [1] exposed that alkali salts could be dissolved in poly(ethylene oxide) (PEO), thereby opening up the scope of solvent-free polymer electrolytes (PEs). Among the various applications, the use of PEs in lithium ion batteries (LIBs) has been most generally considered and helps to improve their safety and reliability [2]. Lithium salts are combined with polysiloxanes, poly(styrenessifonates), poly(arrylometrile), PEO, and their derivatives to create PEs for commercialization of LIBs [3]. Solvent-free or solid polymer electrolytes (SPEs) can resolve the safety problems linked with the traditional liquid counterparts and they are currently under deep study for the use in batteries, other electro- and photochemical devices, supercoparators, and sensors [4–12].

PE is a membrane and their charge transport is the segmental motion of polymer chains in the environs of ions. Their charge transfer properties are analogous with common liquid senie solutions. They are inherently safes than some other classical electrolytes such as LiPF₀/ethylene curbonate [13]. The advance of PEshus drawn the mind of scientists in the last few decades due to their reward over liquid counterports.

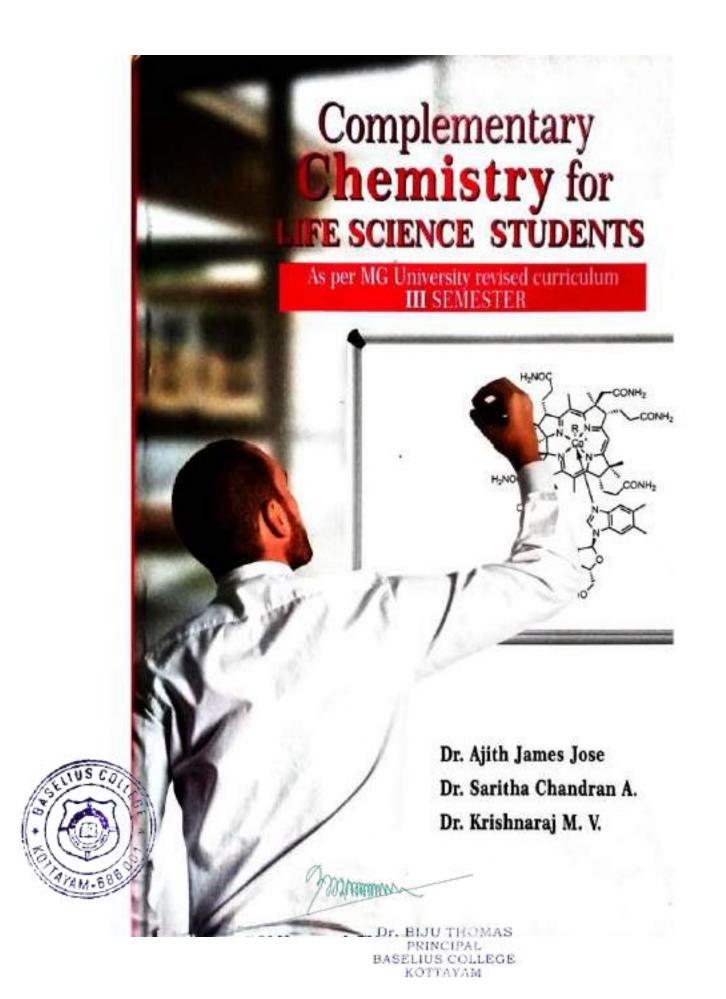
Their development has mainly three stages, depending on their physical state, SPEs [14], gel/plasticized polymer electrolytes (GPEs) [15], and microporous polymer electrolytes (MPEs) [16]. For industrial application MPEs have received major attention due to their outstanding property, for example, high chemical.



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സാഹിത്യപഠനം **നവസമീപനങ്ങൾ**

ഡോ. അശ്വതി എ. വി.

സാമൂഹിക നൈതികതയെ സ്ത്രീപക്ഷത്ത് നിന്ന് വിമർശനാത്മകമായി സമീപിക്കുന്ന രീതിയാണ് അശ്വതിയുടേത്.

പുരുഷന് അനുകൂലമായി തയ്യാറാക്കിയ ചട്ടക്കൂടുകൾ ഭേദിച്ച് തനതായ അസ്തിത്വം കാംക്ഷിക്കുന്ന പെഞ്ചയുടെ ഇച്ഛാശക്തി തിരിച്ചറിയാൻ നിരൂപകയ്ക്കാകുന്നു എന്നത് ശ്രദ്ധേയമാണ്.

സാഹിതൃചരിത്രങ്ങൾ മറന്നു പോയതോ ഒഴിവാക്കിയതോ ആയ കൃതികളെ പുതുപരിപ്രേക്ഷൃത്തിൽ പുനരവതരിപ്പിക്കാനുള്ള താല്പര്യം പ്രകടമാണ്.

രചയിതാവിന്റെ പക്ഷത്തുനിന്നായാലും കഥാപാത്രത്തിന്റെ അനുഭവതലത്തിൽ നിന്നായാലും അശ്വതിയുടെ താല്പരും സ്.തീ സ്വത്വത്തിന്റെ സാധുതകൾ അനേഷിക്കുകയാണ്.

ഡോ. പി. എസ്. രാധാകൃഷ്ണൻ



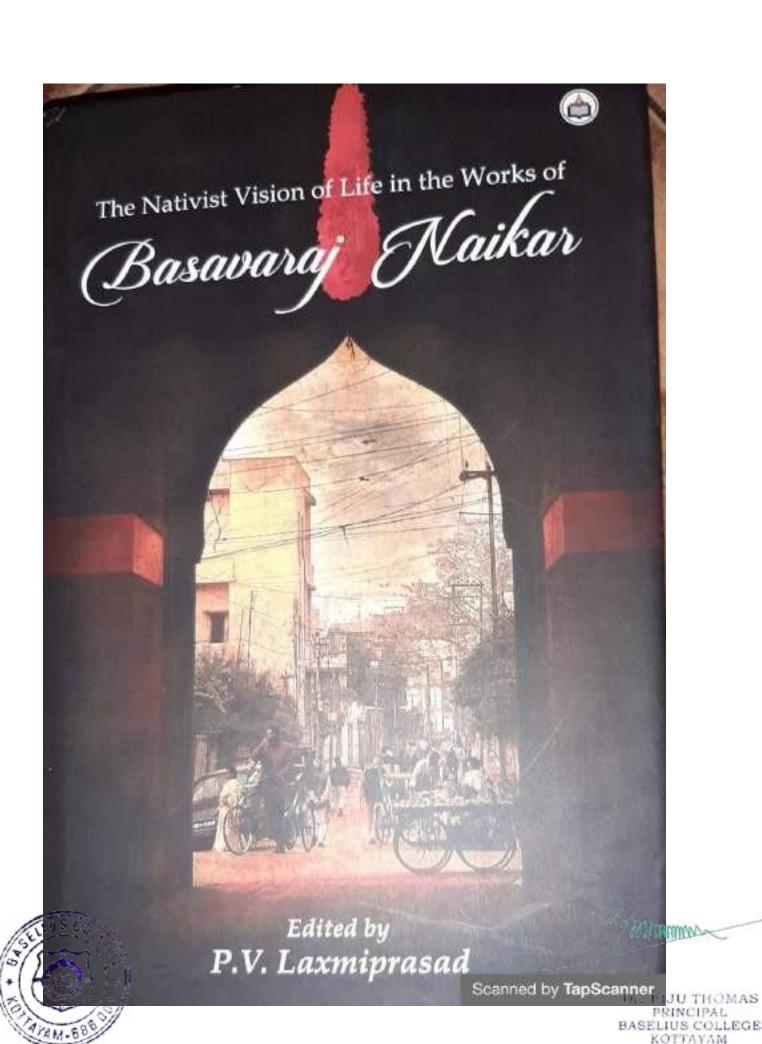
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