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Coordinator Internal Quality Assurance Cell Pachhunga University College (A constituent college of Mizeram University)



Big Data Types, Sources, and Applications

Krishna Kumar Mohbey

Department of Computer Science Central University of Rajasthan

Introduction

Big data refers to the extensive, complex, highly diverse, and fast availability of data that cannot be handled and processed with traditional data management tools and techniques. Big data includes text, images, audio, visual and steaming data, which is used in decision making. Big data can be handled by developing scalable, flexible and robust data architectures. It also needs advanced algorithms and framework for processing. There are lots of challenges available in big data processing that includes computing, storing, searching, sharing, analyzing, and visualizing. Various sources are generating big data continuously. The primary sources are smartphones, social media, RFID, sensor networks, web search, and e-commerce

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H.Laldinmawia

Assistant Professor, Department of Mizo Pachhunga University College

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ABSTRACT

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Strain dependence of electronic properties and

effective masses of monolayer ZnO from density

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strains. We have employed density functional theory (DFT) with generalized gradient approximation (PBC-GGA) as exchange correlation. The optimized lattice constant of 2D-GAO monolayer is found to be 3.31 Å. The structure remains stable in its heasignnal lattice within the range of biaxial strain chosen in this work, from #a-3.32 % to #a-2.20%. Under narmal condition 22-200 monolayer exhibits a direct band gap with electron transitions along [F a symmetry points. However, under compression and extension the majority carrier flips from n-type to p-type, respectively. The variation of energy band gaps within UV-ViR energy range predicts this material to be a potential candidate for optoelectronics. The calculated effective masses of both electrons and holes are in good agreement with the available data.

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Abstract

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OVERNANCE AND DEVELOPMENT IN NORTHEAST INDIA: A MIZORAM READER

Editor
Prof. K.Vidyasagar Reddy

Coordinator
Internal Quality Assurance Cell
Pachhunga University College
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27. Sustainable Development Goals and Urban Development in Aizawl

H.C. Lalchhuanawma Asst.Professor, PUC, Aizawl

Development induced large scale destruction, deterioration of environment and depletion of natural resources have led to the birth of the paradigm in the development discourse which is known as Sustainable development. The definition of Sustainable development by the World Commission on Environment and Development-1987 also known as the Brundtland Report 'Our Common Future'is by far the most common and agreeable definition of sustainable development which says that 'Sustainable development is a development that meets the needs of the present without compromising the ability of future generations to meet their own needs.' The developmental need of the present generation is met as well as leaving enough sustenance capability of the environment to meet the future generations. According to Minh Thu Pham1 of the United Nations Foundation, sustainable development is the development in different spheres without jeopardizing the future.

In the recent decades, urbanization in India has increased at very fast pace2. The unique feature of India's urbanization is that a major chunk of urban population is concentrated mainly in class I cities (those with population 1 lakh and more) which accounted for about 70% of the total urban population in 2011; this has led to 'Top heavy' urbanization in India. Presently, 31% of India's population lives in urban area and their contribution account for over 63% of India's GDP. It is expected that by 2020, the contribution to GDP by urban sector in India will increase to 70-75 %. The number of cities and towns in India has increased over time, i.e. from 1915 in 1901 to 7935 in 2011. Most importantly, number of Class I cities increased from 24 in 1901 to 468 in 2011. The choice of urban locations for analysis is for the following reasons: First, urban centres provide a higher demand for manufactured goods than rural areas. Secondly, urban areas provide higher level infrastructure such as road, water, electricity, etc. which are essential to set up new industries. Finally, large cities for agglomerations) have higher productivity, wages, and capital per worker the, higher economies of agglomeration), and therefore, greater efficiency schefits. In addition, large cires provide the benefits of smaring (e.g. local infrastructure), matching (frastructure), matc Pachhunga University College

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POLITICAL THEORY 2ND EDITION

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POLITICAL THEORY

Andrew Hacker: "Political Theory is a combination of a disinterested search for the principles of good state and good society on the one hand, and a disinterested search for knowledge of political and social reality on the other."

WC Coker: "When political government and its forms and activities are studied not simply as facts to be described and compared and judged in reference to their immediate and temporary effects, but as facts to be understood and appraised in relation to the constant needs, desires and opinions of men. then we have political theory".

The Wikipedia defines Political Science as "a social science discipline that deals with the state and systems of government; the scientificanalysis of political activity and behaviour". In spite of the absence of a universally accepted definition of the term Political Science, this definition is fairly acceptable. It may be noted here that the term 'Politics' is often used as another name for the discipline of Political Science.

As an academic discipline, Political Science is very comprehensive. It includes different forms of speculation in politics such as political thought, political theory, political

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Scattering of SH-waves from a corrugated interface between two dissimilar nematic elastomers

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Abstract

This paper is concerned with the problem of reflection and transmission of elastic waves due to incident qSH-wave at a corrugated interface between two dissimilar nematic elastomer half-spaces. The expression of the phase velocity corresponding to qSH-wave is obtained. It is observed that this phase velocity depends on the angle of propagation of the elastic waves. There exist an irregularly reflected and transmitted waves besides the regular ones due to undulated nature of the interface. The expression of the amplitude ratios corresponding to the reflected and transmitted waves for the incident qSH-wave is derived by using an appropriate boundary conditions. The ratios corresponding to the irregular waves are found to be functions of elastic constants, angle of incidence, relaxation times, corrugation and frequency parameters. The amplitude ratios are computed numerically for a particular model at different values of corrugation and frequency parameters. The energy distribution of various reflected and transmitted waves are also obtained analytically and numerically and discussed the effects of corrugation and frequency parameter.

Key words: Nematic elastomers, qSH-wave, amplitude and energy ratios, corrugation and frequency parameter.

1. Introduction

Nematic elastomers (NEs) are soft materials, rubber-like liquid crystalline possessing both the properties of elastic degrees of freedom of ordinary rubber and also the internal, orientational degree of freedom of liquid crystals (de Gennes, 1980). The interplay between elastic and orientational changes is responsible for many fascinating properties of such materials that are different from the classical elastic solids and liquid crystals (de Gennes and Prost, 1995). Long macromolecules with rare intermolecular transversal bonds are a characteristic element of such NEs. They simultaneously combine the elastic properties of rubbers with the anisotropy of liquid crystals (Terentjev and Warner, 2001). Besides their unusual static properties, NEs have an interesting strong mechanical characteristics. It is found that an internal relaxation of the nematic director leads to a dynamic mechanical softening. It resembles soft elasticity characterized by vanishing shear stresses for a range

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NIVERSITA COLLEGE

NUMERICAL PROBLEMS ON PHYSICAL CHEMISTRY

(With Objective Questions & Solutions)
Based on Choice Based Credit System (CBCS)



Raghvendu Pathak

Numerical Problems on Physical Chemistry Raghvendu Pathak (M.Sc., Ph.D.)

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NACETER 2019



Emerging Trends in vironmental Research

ABSTRACT BOOK

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National Conference on Emerging Trends in Environmental Research

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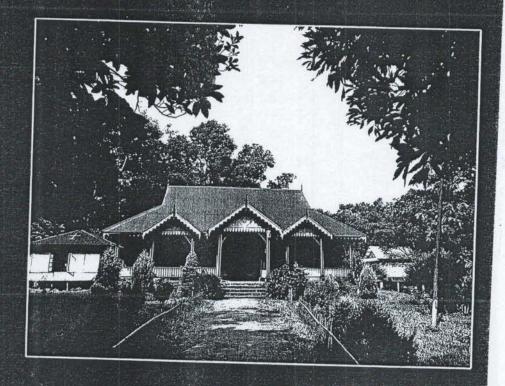


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LUNGLENG

(A Study of Pachhunga University College Adopted Village)



Editors Dr. David Zothansanga H.Laldinmawia

Joint Editors L.Thangmawia Dr. Rinpari Ralte Lalthlamuana Ralte

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LUNGLENG: A Study of PUC Adopted Village Published by P.U. College, 2018, page 27-41 ISBN: 978-81-939844-2-0

MENTAL HEALTH, PERCEIVED STRESS AND SELF-ESTEEM: A STUDY OF YOUNG MIZO ADULTS IN LUNGLENG VILLAGE

Dr Rinpari Ralte Associate Professor & Head, Department of Psychology

ABSTRACT:

Self-esteem (the attitude one holds toward himself/herself as an object) is thought to be strongly related to mental health and perceived stress. The present study assesses the relationship between mental health, perceived stress and self-esteem among young Mizo adults in Lungleng village. Fifty-Nine participants (30 males and 29 females) with the age range between 20 to 40 years (Mean=27.75yrs) were contacted and assessed. Findings revealed significant gender differences (t = 2.85, p<0.01) in self-esteem only. Males are found to have higher levels of self-esteem (Mean=28.63) than females (Mean=26.34). Significant negative correlation (r = -0.34, p < 0.01) was obtained between self-esteem and perceived stress; and self-esteem was also found to significantly predict perceived stress. This suggests that high levels of self-esteem result in lower levels of perceived stress and vice versa. Thus, findings suggest the need for the promotion of positive self-esteem in the target population to reduce levels of perceived stress and improving mental health simultaneously.

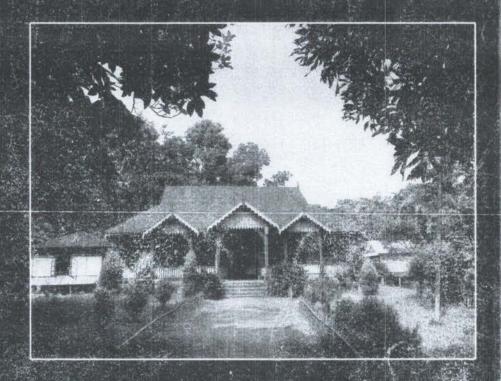
Key Words: Mental health, Perceived Stress, Self-esteem

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EDUCATIONAL SYSTEM IN LUNGLENG VILLAGE

Lalthankungi, SusanLalthanpuii, Lalrintluangi, Lalhruaitluangi, Lalchhuanmawii, K.Lalawmpuia, Gloria Lalchhanhimi

ĭ

Introduction

Education is an act or process of imparting or acquiring knowledge or skills. It is the process by which society deliberately transmits its accumulated knowledge, skills and values from one generation to another. Educational system indicates the ways in which people learn skills and knowledge, information and understanding. It can be divided into various ways of learning namely-formal, informal and non-formal or quasi formal.

In studying the educational system in Lungleng, the research team focussed its study on the formal and informal education, studying the dissemination of learning from the household survey, and of formal education through the study of schools in the village.

Research Methodology: The success of a research depends primarily on the instruments or tools used and

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ANALYZING SHIFTING AGRICULTURE AS A COMPONENT OF LOCAL LIVELIHOODS: A CASE STUDY IN LUNGLENG -I VILLAGE OF MIZORAM

P.C. Vanlalhluna*, R. Vanlalpeka, Zothanmawia, Vanlalhruaii Ralte, H. Lalruatsanga & HS. Thapa Department of Botany

ABSTRACT

A study on shifting agriculture as a component of village landscape and local livelihood was made on Lungleng-I village which is a representative of typical jhum cultivation area where the cycle is reduced to 6-years. Shifting agriculture is the main occupation of people and an integral component of the village. The shifting cultivation provides numerous food crops to the people in a variety of manner even though risks are always a part of the system. The jhummias derive their sustenance largely from the natural resources surrounding them which include forest lands, degraded jhum fallows and home gardens besides from jhum which is the most dominant livelihood system for the village. The jhum fulfill the food and fod-

*Corresponding author-email: pcvanlalhluna@yahoo.com Mob.9862555793

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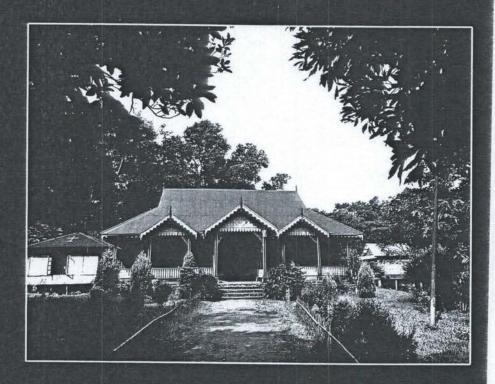
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	6.	Types and Sources of Water Supply in Lungleng Village
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	7.	Avian and mammalian diversity in and around Lungleng I
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LUNGLENG: A Study of PUC Adopted Village Published by PU. College, 2019, page 55-64 ISBN: 978-81-939844-2-0

SURVEY OF PTERIDOPHYTES DIVERSITY IN LUNGLENG –I VILLAGE, MIZORAM

R. Vanlalpeka*, PC. Vanlalhluna, Zothanmawia, Vanlalhruaii Ralte, H. Lalruatsanga Department of Botany

INTRODUCTION

Pteridophytes occur mostly in terrestrial habitats on earth and are also present in some aquatic communities. They are the important part of the ground vegetation in many forest communities and, also an important component of many epiphytic plant communities. Some species are very beneficial to humans and many species attracts many plant lovers for their graceful, fascinating and beautiful foliage.

The work on Indian pteridophytes were initiated by Beddome (1883, 1892) and after partition of the then British India in the second half of 20th century several scientists made their contributions to Indian pteridology Bir (1977, 1979,), Kachroo (1975), Panigrahi (1960,), Panigrahi and Choudhury (1962), Dixit (1984), Dixit and Vohra (1984), Handique and Konger (1986), Barua et al. (1989) and Borthakur et al. (2000) had provided. Recently, Mirza (2000) reported fern and fern al-

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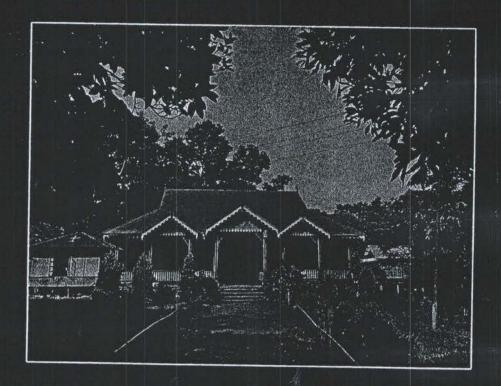
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REPORT OF NSS ACTIVITIES AT LUNGLENG ADOPTED VILLAGE

Dr. Zoramdinthara Programme Officer

The NSS Unit of Pachhunga University College is the most profession of this unit have been already rendering their volunteers of this unit have been already rendering their volunteers for the expansion of NSS activities in taking up programmes. The NSS Manual 2005 clearly mention every NSS Unit must have their own adopted village and take up task for development perspective as Lungleng Village was adopted village of our college and NSS Unit of this expansion, the adoption committee has assigned us to undertake construction of public urinal, campaign on cleanliness, campaign on no tobacco and campaign on fire prevention at the village.

As such, the meeting of NSS Programme Officer cordially resolves that the newly adopted village may be visited to survey different activities which can be undertaken under special camping. As Lungleng Village Adoption Committee assigned this NSS Unit to do infrastructure works, after contacting local Village Council President and Local leaders of YMA, we decided to construct public urinal, to conduct anti-tobacco

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RE-READING OF MIZO LITERATURE

(with special reference to under graduate course)

A compilation of Seminar Paper



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POST-COLONIALISM LEH 'PASALT HA KHUANGCHERA' BY LALTLUANGLIANA KHIANGTE

Lalrotluanga Research Scholar Mizo Department Mizoram University

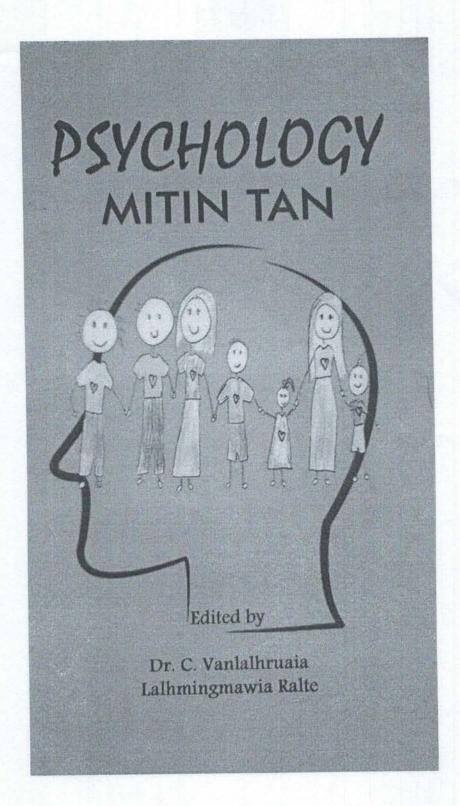
1. Introduction:

Lehkhabu tha ziaktu chuan a ziahsak, a chhiartu tan hmun leh hun awl zau tak, ngaihtuah chhunzawm tur thiam takin min chhawpchhuahsak thin. Chu chuan amah leh chhiartute inkarah sawifiah mai theih loh inlaichinna thuk tak a siam a, lehkhabu dang an ziah chhiar tumin kan fan kan fan tawh mai a ni. Lehkhabu pakhat yang pawhin ziaktu tha a nih theih a, lehkhabu sawm zet pawh a tul mai thei. Lehkhabu pakhat ang ziak thin te hi chuan an beih fe pawhin an beih rei a ngai khawp ang. Hei tak hi literature khawvel chu a ni (Tapchhak Theory, 78)

Tia C.Lalawmpuia Vanchiau sawi ang hian Mizo zinga thuziak lama kutchhuak ngah ber pawl leh a kut chhuakte tun thlenga zirlaibu lama kan hmuh thin Dr.Lalthuangliana Khiangte hi a kut chhuak pakhat 'Pasaltha Khuangchera' vang chauh pawh hian ziaktu tha zinga chhiar tel tlak niin a lang. Ziaktu tha chuan a chhiartu leh ngaithlatu tan hmun awl a zuah thiam em em a, a ziah chhunzawm dan tur leh eng hawi zawngin nge a ziaktu hian min kalpui ang tiin ngaihnawm ti takin kan chhiar thei thin. Lemchan ziaktu tha ni tur hian thenkhat tan chuan lemchan thawnthu pakhat chauh pawh a tawk maithei, thenkhat erawh an kutchhuak pakhat vang chauh pawhin ziaktu tha-ah kan chhiar tel thei bawk ang. 'Pasaltha Khuangchera' hi Mizo Academy of Letters ten Book of the Year nihna hial an pek a nih avangin Mizo ten ziaka kan neih zingah chuan chhuanawm ber pawl a tling phak a ni.

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Psychology Mitin Tan

KUM UPATE TAN

- Lalthantluangi Sa

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Bible-in, "Lu tuak chu ropuina lallukhum a ni a" a la ang hian, dam rei leh miten 'tar' an tih theih khawpa awma Pathian malsawmna a ni tak meuh mai. Amaherawhchu, a tam takin kan hriatthiam loh fo thin chu, tar vàng ringawt hia engmah zir tur emaw thawh tur nei lo an ni tawh bik lova, tha lai leh naupan zawk lai ang chiahin zir tur tam tak leh hmachhawn tur tam tak an la nei ve reng a ni. Naute kan ni atanga kan than chhoh zêl a, hun hrang hrang kan tawna kar inzir thar a ngai ang hian, kum upa nih te, mi te ngaiha tar nih te, kan hna atanga pension ngaih hun te hi, insiam rem leh mahni inher rem ngai tak hun a ni. Midang min hriatthiama piah lamah mahni leh mahni kan inbih lêta kan inhriatthiama ngai êm êm a ni.

Mi thiamten, life expectancy an tih hi, mi hrisel tha pangnga dam chen tura an rin tiin hrilhfiah ila kan sawi sual awm lo ve. An dam chen tura beisei hi a kuma chhût a ni a. India ramah hian tun kum sawmhnih (20) kal ta chhûng khân life expectancy hi kum sawm (10) vèlin a pun belh a ni. State hrang hrang te life expectancy chhût vek a nih laiin keini hmàrchhakho hi finfiahna tur data an dawn loh avangin a hriat ve theih tlat loh Kan hnaih ber Assam State kan en chuan, life expectancy thingtlangah kum 63 a ni a (mipa kum 61.9, hmeichhia 64.6) Khawpuiah chuan a sáng ve leh deuh a, kum 70.3 a ni. (mipa 69.1, hmeichhia 71.8). Ram dangah te pawh mipa ain

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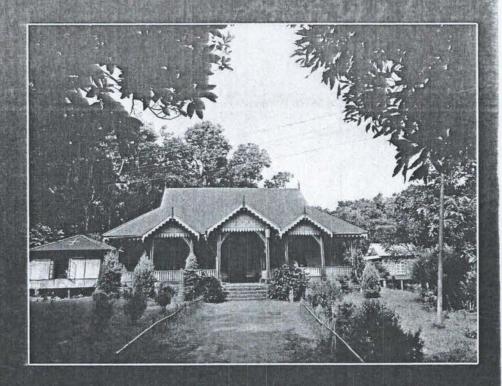
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LUNGLENG

(A Study of Pachhunga University College Adopted Village)



Editors Dr. David Zothansanga H.Laldinmawia

Joint Editors L.Thangmawia Dr. Rinpari Ralte Lalthlamuana Ralte

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Or. Lalrinchhani, Jason Lalremruata,

Vothanmawia & P.C. Lalrinmuani

Partment of English

LUNGLENG: A Study of PUC Adopted Village Published by P.U. College, 2019, page 42-54 ISBN: 978-81-939844-2-0

AN IN DEPTH STUDY OF THE ENGLISH PROFICIENCY LEVEL OF LUNGLENG HIGH SCHOOL AND LUNGLENG CHIEF KHAMLIANA

Dr. Lalbiaksangi Chawngthu, Dr. Rualzakhumi, Henry Lalmawizuala, V. Lalmalsawmi, Dr. Rebecca Angom, Dr. Jamie Zodinsangi Hrahsel, Vanlalveni Pachuau, Alexander. L. Sailo, Dr. Lalrinchhani, Jason Lalremruata, R. Zothanmawia & P.C. Lalrinmuani Department of English

The English Department of Pachhunga University College conducted and organized a project on Lungleng village on 14th October, 2016. The purpose of this project was to determine two things, first to conduct an in depth study of the English Proficiency level of the High School students and second, to obtain a deeper insight into the legends associated with Lungleng village and its chief Khamliana.

A. ENGLISH PROFICIENCY LEVEL

METHODOLOGY:

Inorder to identify the problems regarding the English proficiency level of the high school students of Lungleng village and to obtain a deeper insight into the existing legends connected with Khamliana, the following methods were implemented:

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LUNGLENG

A Study of Pachhunga University College Adopted Village

Editors

Dr. David Zothansanga H.Laldinmawia

Joint Editors

L.Thangmawia

Dr. Rinpari Ralte

Lalthlamuana Ralte

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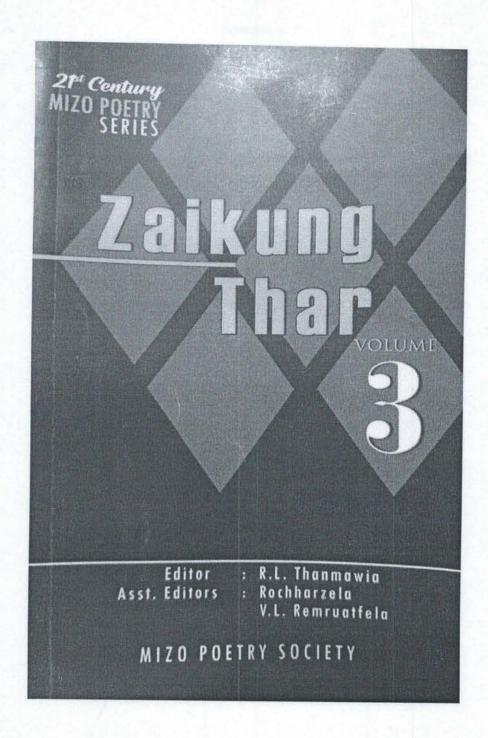


Principal Pachhunga University ollege Aizawl: Mizora

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LALRAMMUANA SAILO Dinthar

KATLANGVAL LAI CHU SUNIN

Ka tlangval lai chu sunin Hma hun chiang lo ruaiah Tiam lo mah i mi umtu chuan Sulin mi zui kan thurukten Hleiten an dang lo thinlaiah Lengte chhingmit kaina karah Len ka thiam lo a pawi ber mai.

Ami leng Pawla sai loh tur mah
An ngaih lengi bawhhla chhamten
Kawngkhar hawngin i run chhungah
Pungkhawmin Pasena hla lo rem chu
Ka theihtawk a tlem lua e Lalpa,
Hmingchhiat Biakbuk ka mualphona
Lengi tum ngai lo khan
Kawngka dai pial a pawi em mai.



21" Century Mizo Poetry Series: lohed

PAWNG THIR THER HIAN MI HIP THIN A

Pawng thir ther hian mi hip thin a
Tleitir mawng no ka tuar thin a
Kham kar saisu suah sual awm lo
Sakruangin nul kan nuam thin a
Tawktarh chibi ka tuar thin a

Buaipui tham ka buaipui thin asin
Tleirawl tha za rual saw
Mitmeng a Davida thin
Ve tho sin asin Johny Sins
I mawngbil phir te kha
Hrethiamten an sep thin a
Pawng thir ther hian mi hip thin a
Josefa ka ni lo, nang lah Delili.

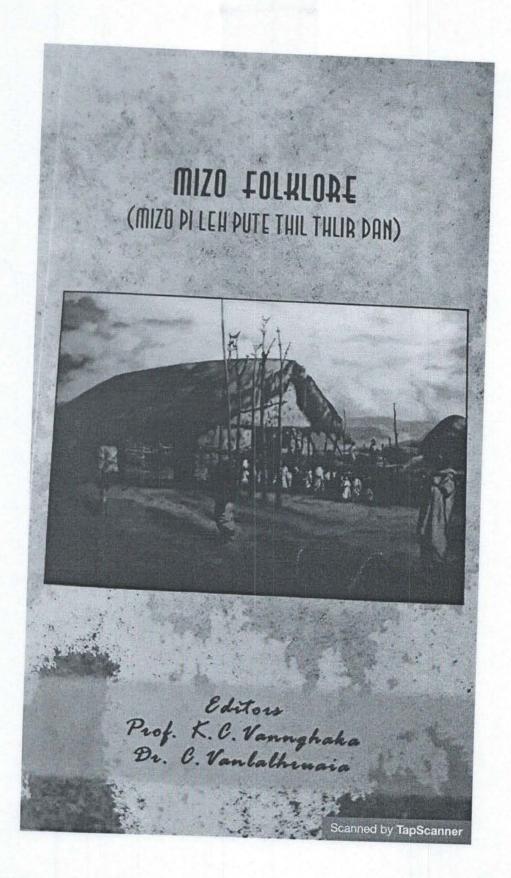
Haw hawi tunah lengi sakruang khawhar thawiin I ruamraiah lung rual ila Phung buh denin i awm bawr nen Khumpui kaiin tunah chulin Chh...

("Ekhai! Ekhai! Rammuan, Rammuan, a tawk, a tawk, zahngai, zahngai")

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- Dr.-Zoremdinthara

Mizo Folklore

BUATSAIHTU THUHMA

Folklore (fawk-lawr) tih hi Mizo tawng thumal pakhata hrilhfiah mai theih pawh a ni lo va, a awmzia berah chuan pi pute nunphung, an zia-rang leh an thawnthute zir chianna a ni a. An thil hriat leh thiam thil tawngkaa an lo inhlan chhawn dan te, an thilsiam dan leh an tih dante pawh a hranpaa zirna hmun hawng lova mi tih dan entawna an lo siam chhuah ve dan reng reng zir chianna chu Folklore a ni vek a. Kan Mizo pi leh pute hunah pawh thiamhnang thil chi hrang hrang tah dan zirna emaw, la dehna hmanrua herâwt, hmuithlur, thembu siam dan zirna emaw, thlangra tah dan zirna emaw, nghawngkawl suih dan zirna emaw buatsaih a awm kan hre ngai lo va. Pa themthiam deuh leh remhre deuh siam dan kha miin an entawn a, an siam chhuak ve zel mai niin a lang. Hetianga tawngka leh thiltiha an lo inzirtir leh inhrilh chhawn zel dan zir chianna hi English mi thiamten Folklore an lo vuah a, chu chu keini pawhin kan hman chhohpui ve zel a ni.

Folk-literature hi thil chhinchhiahna tur thuziak nei lo (unlettered people)-ten hmanlaia thil thleng chanchin tawngkaa an inhlan chhawn thin sawina a ni a. Chutiang zingah chuan, tunlai huna thi chhinchhiahna thuziak chi hrang hrang-thutluang te lemchan thawnthu te, thawnthu (narrative) te thufing te, sakhaw biakna lam thil te, thihna lel khawvel piahlam chanchin te leh, hla lam thil kan neil ziaka kan inhlan chhawng ang hian engmah hmail nei bik si lovin tawngkain an lo inhlan chhawng this

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Mizo Folklore

PRESERVING MIZO FOLKTALES AND ITS IMPORTANCE

Dr. Zoramdinthara Asst. Professor, Department of Mizo Pachhunga University College

The Mizo folktale is a story or tale handed down by oral tradition from mouth to ear through the generations (Lalruanga. 4) Mizo folktales are based on magical, supernatural elements and talking animals or mythical creatures. They can be classified such ascumulative tales variety of plot less story where events follow a repetitious pattern. Tales of this type include Chemtatrawta. Beast fables or tales, such as Keimi, Phungpuinu etc, feature animals who speak like humans, and they usually teach lessons about the rewards of being brave, independent and clever. The humorous subcategory involves silly stories about characters who do ridiculous things and make funny mistakes. A good example is Chhura leh Nahaia, Samdala etc. There are also realistic folktales, such as Tualvungi leh Zawlpala, that contain magic. Other kinds include trickster tale like Kungawrhi, Mauruangi etc. What distinguish Mizo folktales are all the story starts with "once upon a time and ending with "and they all lived happily ever after. Generally, they are short and there is often a conflict between a hero and villain where everything ends happily.

Preserving Mizo folktales: One important aim of this paper is documentation or preservation of Mizo

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Mizo Thu leh Hla ZIRCHIANNA Volume-1 Lalrammuana Sailo



meina Sailo hian kum 2013-ah Mizo Department, Mizoram tha aign Master Degree a zo a. Tunah hian MZU, Mizo an hinaiah Ph.D a ti mek a. Zirlaite teh mamawhtute tan a cisein literary website mizoramimages.com a enkawi mek a. a filan youtube lamah leh social media dang dangah thu leh izo ihilte a chhawp chhuak thin a. He lehkhabu hi mimal haba tihehhuah hmasak ber a ni.

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ZIRCHIANNA
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literature zirna a ni a, grammar zirna a ni lo tih min hriatpui a ngai. Tin, ṭawng thlukna hi ka hmang lo lui bawk.

He lehkhabua article ṭhenkhat hi chu lehkhabu hrang hrang leh journal-ah te ka chhuah tawh a. 2-na hi *Zacham parchhuang* (2018) bu-ah telh a ni tawh a. 3-na hi *Thu leh Hla*, November 2016-ah, 4-na hi *Mizo Studies* Vol.V January – March, 2016-ah, 14 hi Vol. VII No. 4-ah, 15-na hi Vol. IV No. 4-ah, 8-na hi *Lenchawm* (2017) ah, 6-na leh 13-na te pawh hi Radio a ka sawi tawh a ni bawk. Chungte chu ennawnin siam ṭhat ngai lai leh belh ngaite ka belh zel bawk.

Thu leh hla ka zir chian danah theory hmanna awm mah se kawng tam takah tute emaw ngaih dan awm sa leh pawm dan awm sa chu tehfung berah neih kher ka tum lo a, hnam dang literature sahal hmanga Mizo literature teh vek tum pawh a dik ka ti chuang lo. Mizo literature hian ziarang hran a nei ve a, chu chu a hlutna tak pawh a ni. Thu leh hla ka thlir dana ka ngaihpawimawh thin, ka tui zawng a ni ber ang chu, eng vangin nge he thu leh hla hi a ziah, eng nge a hunlai boruak, tute tana a ziah nge tihte, miten engtin nge an lo sawi ve tih hriat a, chung thilte chuktuah khawm vel chu he kan thu leh hla zir chiannaa kan kalpui dan tlangpui chu a ni.

Dt. 30/10/2019

Lalrammuana Sailo

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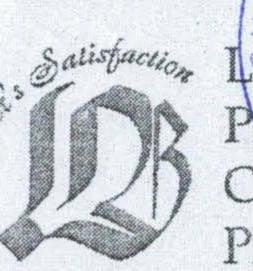
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I numbers of true flower and appara f et.al., 1990,199 racts, bear necta ninal stalked gync :, 1937). The fruit sular fruit bear 3

RIMTAWNGNA (STRESS) HI ENG NGE A NIH?

- Dr. Rinpari Ralte

Hringnun chhiarkawp chhiar tura kan lo pian atanga kan thih ni thleng hian kan nunah thil chi hrang hrang kan tawng thin a. Hèng- harsatna, natna, pachhiatna, nun khawharna, hlawhchhamna, hrehawm tuarna chi tinreng te leh lusùnna thleng hian kan tawrh loh pakhat mah a awm lo va. Hêng zawng zawng tuar tura siam kan nih miau avangin kan nunah hian a bet tlat a ni. Kawng lehlamah chuan hlimna te, lâwmna te leh hahdamna te pawh kan tawng fo bawk a. Hêng kan han sawi tak harsatna chi hrang hrang mihringina kan tawh thin te hian kan taksa leh kan rilruah nghawng a nei thin a. Kan rilru puthmang leh kan ngaihdàn thlengin a nghawng thin a; Tin, kan nungchang leh kan awmdan te pawh a tidanglam bawk thin. Hêng thil chi hrang hrang— mihring rilru, taksa leh awmdan tidanglamtute hi 'Stressors' tih an ni a. Hêngte hi mihringin hmachhawn thei lova a inhriat hnuah, a nghawng lo langchhuak ta hi 'Stress' chu a ni.

Stress hi khawi hmunah pawh hmuh tur a awm a, mahni mimal nunah, chhûngkuaah, hnathawhnaah, khawtlângah leh mihring leh mihring indawr tawnnaah te hian englai pawhin stress siamtu thahnem tak hmuh theih a ni.

Coordinato Stress hi chi li-ah a then theih a, chûngte chu: Quality Assurance Fifichhiatin a nghawng nasar theih êm em te vek an ni.

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1) Distress (negative stress): Harsatna a chhe zâwnga nghawng nei thei zawng zawng hi distress tih a ni; entirnân, thihna leh lusûnna.

2) Eustress (positive stress): Hêng-hnathar hmuh te, hnathawhnaa kaisàn te, inneihna te leh tha leh zung thahnem tak sèn ngaihna ang chi infiamna te hian kan taksa leh rilruah a tha zawngin a nghawng thei a. Hêngte hi good stress emaw eustress emaw kan ti thin. Mihring hmasawn zêlna kawng sialtu an ni bawk.

3) Hyperstress: Mihringin a dawnsawn theih leh a lo insiamrem ve theih bâka nasa stress a tawn hian hyperstress emaw, stress nasa lutuk a tawng kan ti thei ang.

4) Hypostress: Mihringin phûrna rêng neilo khawpa thathona leh ngaihtuahna chawk harhtu tur engmah a tawn loh chuan hypostress emaw stress tlèm lutuk a paltlang mêk a ni kan tithei ang. Hetiang ang dinhmuna mi an din chuan mahni intihphùr nân thil thalo tihah te an tlâk mai thin. Entirnân, damdawi ruihtheih han tihchhin ve mai duhna te a awm thei.

Rimtawngna thlentute (stressors):

Stressors te hi stress thlentute an ni a, hêngte hi hlaweipal University College lian pui puiah a then theih a ni: Aizawl: Mizoram

1) Cataclysmic stressors:

A hmasa berah chuan Cataclysmic stressors an tih, kan chènna khawvêla chhiatna thil nasa tak lo thleng thut thin; entirnân: lirnghing te, taihan te, ferran te, indona te, helna te leh a dangte an ni a. Heng this thengte hi sawi lawk theih loh leh a lo thlen meuh chuan nasa taka nghawng nei thei leh a

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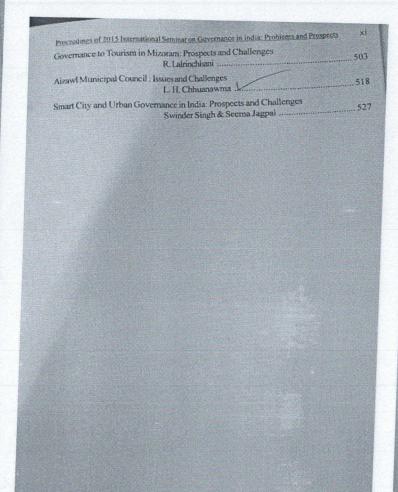
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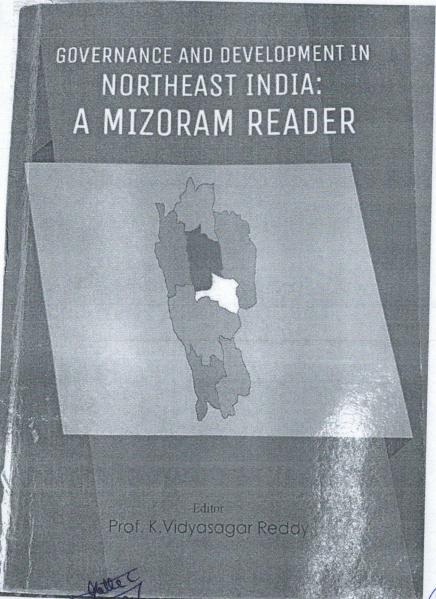
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Coordinator
Internal Quality Assurance Cell
Pachhunga University College
(A constituent college of Mizoram University)



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Enclosing University College

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OVERNANCE AND DEVELOPMENT IN NORTHEAST INDIA:

A MIZORAM READER

Editor Prof. K.Vidyasagar Reddy



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14. Church and Changing Attitudes of Civil Society in Mizoram

Lal Lawmzuali Asst. Professor, PUC, Aizawl

The Congress ministry in its second term in 2014 lifted the dry law the Mizoram Liquor Total Prohibition (MLTP) Act of 1995 by passing the Mizoram Liquor Prohibition and Control (MLPC) Act amidst vehement opposition from the Church. The legalization of liquor rekindleddebate on the subject and the Church mobilised civil society to opposing the new law. The church standing on its prohibitionist stance played a vital role in shaping the electoral behaviour of the people which eventually resulted in the fall of the Congress ministry after ten years of ruling the political scene in Mizoram. Other political parties particularly the Mizo National Front (MNF) campaigned against the legalisation of liquor promising its prohibition if it was elected to power. The Mizoram Legislative Assembly General Elections 2018 witnessed the victory of the Mizo National Front (MNF) with a win of 26 seats of the 40 available at the Legislative Assembly, Many factors can be attributed to the fall of the Congress ministry but one factor certainly sticks out that being the legalisation of liquor and the crusade against it leads by the church. This study will focus on the role of the church in changing the electoral behaviour in the 2018 elections. The Church had an end that is ending the free flow of liquor in the state it vehemently campaigned against it which resulted in the handing of the baton of power to the major opposing political party that being the MNF.

Ministries have adopted different attitudes towards Liquor. Their attitudes reflected in the making of the policies. It has been adopted in various forms viz., the Mizoram Excise Bill, 1973. After ten (10) years of its enactment the Mizoram Excise Rules, 1983 came into existence. Both the Mizoram Excise Bill, 1973 and the Mizoram Excise Rules, 1983 came into force on the 10th October, 19841. 'To prohibit or to legalize?' has been the question of the day debated on various platforms. Prior to prohibition, (pre 1995 in Mizoram) the Church in Mizoram (inclusive of the two major denominations: Presbyterian Church and the Baptist Church of Mizoram) provided a powerful united front in lobbying against it to the policy makers. However, in the 1980's major work on the issue had been taken up by the Presbyterian Church². Therefore, when mention of 'the Church' is made in this paper, it is in reference to the Presbyterian Church alone. The efforts of the Church led civil society against iflegal brewing, sale and consumption of liquor resulted in the enforcement of the prohibiting law viz., the Mizoram Liquor Prohibition (MLTP) Act, 1995. However, with the apparent failure of the dry law the Mizoram Liquor Coordinator

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Studies on the Aquatic Macrophytic diversity in Khumanpat Lake, Manipur, Northeast India

(C.S. Khelchandry', U. Khuraijam' and B.M. Sharma'

Department of Environmental Science, Pathlanga University College, Miscoam University, Actual - Modify, Miscoam Ecology Research Laboratory, Centre for Advanced Study in Life Sciences, Managor University

Ecology Research Laboratory, Centre for Advanced Study in Life Sciences, Manipur Univerlogisal — 797003, Manipur

Abstrac

The present investigation was carried out in Khommagar Lake situated in Inspiral Exec District, Manipur Incased at a distance of which 18 km from Inspiral. The labe has been distanced into fine sampling sites, locally known as shadoo Kom (Star E. Ledha) Star El. Lembalhad Landa (Star El).

2013 and Highlendrich (Star EF), respectively. Collections of the aquasar macrophytic plants amples were done on regular internal from the five tashy sites sharing in outer study plant and a task ascrophytic species were flund in the labe. Some of the dominant species like Hermathers plainteericles, Activate plants at Bertanian intrins. Everyphilms demand seems to the laber Some of the dominant species like Hermathers plainteericles, Activities plants. Exhibitation intrins. Everyphilms demand seems to the Activities advantable. Points are advantage consistent of the different aquation macrophytes were found maximum in the averagen group (St. 44%), which was followed by the free-front to receive full that study state. The parcentage compositions of the different aquation incorporate process of the study of th

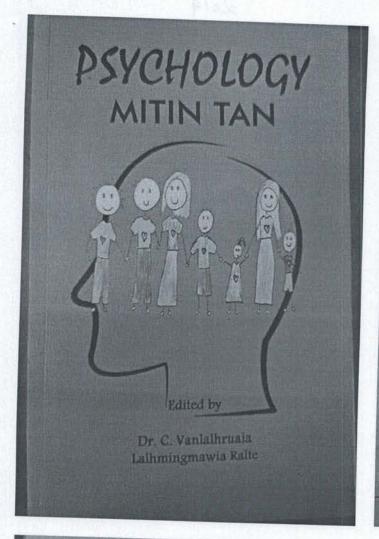
Key Words: Macrophytes, Plottetic, Diversity, Khamanpat, Lake, Marapor

Introduction

Wetlands constitute about 2.37% of the total geographical area of Manique. Our of the total 15% wetlands, 21 are natural takes (totally intrand as pair) 2 are Ox-low takes (total Thoshild district), two are reservoirs while 150 are susterilaged areas. The Listals is Rameur rate; in the largest take in Manipur with an area of 24,672 ha. Other major existing takes of the state are Paurlen, Rhindum, Lampso lake, Roopat, Kharunggat, Losolipat, Wathoogat, Oksopat, Lasonagat, Awangsoigat, Puirougat, Fidenkompat, Vostigat, Sangat, Utrapat, Angarobikhongat, Khimanquit etc. (Singla 2019). All these takes are much threatmed to extinction which is artifuted to extendentent and artificial entrophication through disposal of domestic gartage, leaching of chemical fertilizers, paddy cultivation, lodging of pesticides, moscicides and misute of socie-chemicals for eathing fides (Sharim 2001).

* Corresponding author email 4.k.ring/kigpsecollege adults

4



FA ENKAWL DAN

- Dr. Latropuit

Kum 1960 chho vèlah khân developmental psychologist lär tak mai Diana Baumrind chuan naupang enkawl dân chungchâng zirchianna a nei a. He a thil zir hian a tum ber chu khawthlang (Western) ho fa enkawl dân bihchiana, fa enkawl dân bikah eng nge tha ber ang tih hmuhchhuah a ni Chu a zirchianna atanga fa enkawl dân bik (parenting style) pathum a rawn târlan te chu a saptawngin. authoritarian parenting style, permissive parenting style leh authoritative parenting style tih an ni.

Authoritarian kan tih hian mu leh pa thupêk zawm ngama leh tul ti mi tih sawina a ni a, a Mizo tawnga sawi hian a thui deuh avangin leh kan sawi nawn sek a ngaih dâwn avangin authoritarian tiin kan sawi mai ang a; chutiangin, a dang pahnih te pawh khi a tawi zawgin kan sawi zel tawh mai ang.

Boumrind chuan authoritative parenting style hi à duhin tha a ti deuh ber a. Hetiang hmanga fanan enkawl danah hi chuan nu leh paten thu an nei a; amaherawhchu an fate zaleuna chin tâwk neiin an pe thin. Authoritarian parenting style hi a fir (strict) mah mah a ti a, chumi bakah permissive parenting style (nu leh paten an fate an dah zalenin an chungah thinicainia an lekkawh lèm lohna) hi a nèmin a fir lo leh lutuk a ti bawk Baumrind chauh lo pawh hian parenting style chi hrang an lo târlang ve tawh tho va, ani sawiho hi a tha ber leh kimehang ber a ni kher lo; amaherawhchu, tunah rih chuan amah bik chauh hi kan târlang hrih ang, kan sawi vek sen dâwn loh avangan

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