L G	WRITER	WORK	SUBJECT / FORM
JŚ.	SwāmĪ Kārttikeyā	Kārttikeyā nuprekṣā	दर्शन (PhilosophY)
JŚ.	Yativṛṣabha	Cūrņi on Kaşāya-pāhuḍa	Philosophy
		Tiloya-paṇṇatti	Cosmology (Karaṇānuyoga)
JM.	Dharmadāsa-gaņi	Upadeśa-mālā	Didactics
	Jinabhadra-gaņi	Bhāṣya on Jīyakappa	Canonical Comm. (Śve.)
		Cūrņi on Aņuogaddāra	Canonical Comm. (Śve.)
		Viśeṣāvaśyaka-bhāṣya (with self-comm.)	Canonical Comm. (Śve.)
		Bṛhatkṣetra-samāsa	Cosmology (Karaṇānuyoga
		Samgrahaṇī	Cosmology (Karaṇānuyoga
		Viśeṣaṇavatī	Philosophy
		Dhyāna-śataka	Philosophy (Spiritual)
	Mānatuṅga	Bhayahara-stotra	Eulogy (Stotra)
	Samghadāsa-gaņi	Bhāṣya on Kappa	Canonical Comm. (Śve.)
		Bhāṣya on Niśīha	Canonical Comm. (Śve.)
		Bhāṣya on Vavahāra	Canonical Comm. (Śve.)
	Samghadāsa-gaņi &	Vasudevahiņdi	
	Dharmasena-gaṇi	(including Majjhima-khaṇḍa)	Narratives (Prose)
Skt.	Mallavādī	Dvādaśāra-naya-cakra (incomplete)	Logic (Nyāya)
	Mānatuṅga	Bhaktāmara-stotra	Eulogy (Stotra)

Observations on 6th century - Jaina-Literature

- * From the viewpoint of Logic, we can say that this century is the beginning of Anekānta-yuga, in Jaina fields.
- * An often quoted 'Nayacakra' or 'Dvādaśāranayacakra' of Mallavādin is the oldest work on Nayavāda. It is incomplete and published with the comm. of Simhasenagaṇi. There are lot of differences about the exact date of Mallavādin. Some are of the opinion that there are two Mallavādins.
- * Vasudevahindi, the prose narrative is jointly written by Samghadāsagani and Dharmasenagani is a unique narrative, based on the wanderings of Vasudeva and a peculiar specimen of ancient JM. or Ārṣa Prakrit. The language of Majjhimakhanda contains few Saurasenī characters. The influence of Bhāgavatapurāṇa is evidently seen with the inclusion of the mythological figures like Nārada etc. Its lucid prose style is full of rich cultural data. In the history of Prakrit literature, Vasudevahindi is a landmark treatise.
- * We find Karaṇānuyoga literature of this century is written by both the sects, viz. Śvetāmbara and Digambara. Kasāyapāhuḍa is found with its Cūrṇi. The word 'Cūrṇi' is very rarely used in Digambara tradition. Yativṛṣabha's Cūrni-sūtras are written in JŚ.
- * The period of canonical commentaries starts from this century in Śvetāmbara tradition. The Bhāṣyās are written by Saṃghadāsa on the three prominent Chedasūtras, viz. Kalpa, Niśītha and Vyavahāra. Jinabhadragaṇi wrote the Bhāṣyas on Jītakalpa and Viśeṣāvaśyaka. Both the Ācāryas might have felt it necessary to codify the strict rules of conduct and atonements prescribed for Śvetāmbara monks.
- * Viśeṣāvaśyakabhāṣya had attained a unique position in scholarly field due to -
- (i) its philosophical attitude,
- (ii) inclusion of important historical details,
- (iii) cultural data and specially Ganadharavāda.
- * The most popular and revered Skt. Stotra 'Bhaktāmara' is composed by Ācārya Mānatuṅga. Both Śvetāmbara and Digambara devotees recite this stotra with great faith.
- * Dharmadāsagaṇi had laid down the foundation of didactic poems by writing Upadeśamālā. The tradition of didactic poems is continued in the later centuries.
- * Dhyānaśataka of Jinabhadragaṇi is the dawn of Yoga literature on the Jaina horizon. Haribhadra (8th cen.) had included Dhyānaśataka in his comm. on Āvaśyaka.
- * In short, we may conclude that each and every work of this century is original and important.

Jaina-Literature: 7 th Century						
WRITER	WORK	SUBJECT / FORM				
SwāmĪ Kārttikeyā	Kārttikeyā nuprekṣā	दर्शन (PhilosophY)				
Agastyasimha	Cūrņi on Dasaveyāliya	Canonical Comm. (Śve.)				
Anonymous	Pañca-sutta	Ethics (Monastic Conduct)				
Jinadāsagaņi-mahattara	Cūrņi on Aņuogaddāra	Canonical Comm. (Śve.)				
	Cūrņi on Āvassaya	Canonical Comm. (Śve.)				
	Cūrņi on Āyāra	Canonical Comm. (Śve.)				
	Cūrņi on Dasaveyāliya	Canonical Comm. (Śve.)				
	Cūrni on Dasāsuvakkhandha	Canonical Comm. (Śve.)				
		Canonical Comm. (Śve.)				
		Canonical Comm. (Sve.)				
	The state of the s	Canonical Comm. (Śve.)				
		Canonical Comm. (Śve.)				
	Cūrņi on Sūyagaḍa	Canonical Comm. (Śve.)				
	Cūrņi on Uttarajjhayaņa	Canonical Comm. (Śve.)				
Jaṭāsimhanandi	Varāṅga-carita	Biography (Carita)				
Ravișeņa	Padma-carita	Biography (Carita)				
Samantabhadra	Ratna-karaṇḍa-śrāvakācāra	Ethics (Householders' Conduct)				
		Eulogy + Logic				
		Eulogy + Logic				
		Grammar Logic (Nyāya)				
	_	Logic (Nyāya)				
	-	Prognostics				
Sarvavarman & Kātvāvana		Grammar				
	WRITER SwāmĪ Kārttikeyā Agastyasimha Anonymous Jinadāsagaṇi-mahattara Jaṭāsimhanandi Raviṣeṇa	WRITER WORK SwāmĪ Kārttikeyā Kārttikeyā nuprekṣā Cūrṇi on Dasaveyāliya Anonymous Pañca-sutta Cūrṇi on Aṇuogaddāra Cūrṇi on Āvassaya Cūrṇi on Āyāra Cūrṇi on Dasaveyāliya Cūrṇi on Dasaveyāliya Cūrṇi on Dasāsuyakkhandha Cūrṇi on Jīyakappa Cūrṇi on Kammapayaḍī Cūrṇi on Nandī Cūrṇi on Nisīha Cūrṇi on Sūyagaḍa Cūrṇi on Uttarajjhayaṇa Jaṭāsiṅhanandi Raviṣeṇa Padma-carita Raviṣeṇa Padma-carita Samantabhadra Ratna-karaṇḍa-śrāvakācāra Bṛhatsvayambhū-stotra Stuti-vidyā Prākṛta-vyākaraṇa (not available) Āpta-mīmāṇsā Yuktyanuśāsana Kevalajñāna-praśna-cūḍāmaṇi				

Observations on 7th century - Jaina-Literature

- * Due to containing the sacred words of Lord Mahāvīra, AMg. became sacred language for Jainas. So after the finalization of AMg. canonical literature, its usage was stopped and Śve. Jaina writers started writing in JM. which was of course influenced by Ardhamāgadhī.
- * Among the JM. works, Cūrṇis are important. Cūrṇis are short explanatory notes in prose form written on AMg. canons, Niryuktis and Bhāṣyas. The Cūrṇis consist both Prakrit and Sanskrit. The famous Cūrṇikāra Jinadāsagaṇi selected the important canons containing monastic conduct and wrote Cūrṇis. Agastyasimha's Cūrṇi on Daśavaikālika is also found in this century.
- * Anonymous JM. work Pañcasutta is important because Haribhadra (8th cen.A.D.)wrote comm. on this work. Due to this reason, the work is put in this century.
- * In the 7th and 8th century, JŚ. works are not found. Digambara writers started writing commentarial literature on JŚ. canons from the 9th century and onwards.
- * Among the Skt. writers of this century, Samantabhadra is very prominent. His Nyāya works are honoured in the field of Indian logic. Nyāya works in the 6th century are written by Śvetāmbara writers. In this century, Digambara logician Samantabhadra is very active. Through his works Āptamīmāmsā and Yuktyanuśāsana, Samantabhadra prepared grounds for the writings of Akalanka and Haribhadra. A huge commentarial literature is produced on these two important works of Samantabhadra from 8th century A.D. up to 18th century A.D.
- * Samantabhadra systematized the Śrāvakācāra according to Digambara norms in Sanskrit. His Ratnakaraṇḍa-śrāvakācāra inspired many Digambara authors in writing Śrāvakācāras in Sanskrit.
- * The eulogies of Samantabhadra are presented in Nyāya style and very rich in Poetic values. Vasunandi wrote an extensive comm. on Stutividyā.
- * Kevalajñānapraśnacūdāmaṇi, a work on Prognostics is written by Samantabhadra. According to some scholars there are two Samantabhadras. Logician Samantabhadra is different from the author of Kevalajñāna-praśna-cūdāmaṇi.
- * It is told that Samantabhadra has written Prākrta Vyākarana, but the work is extinct.
- * The tradition of Kātantra Vyākaraṇa started in the 3^{rd} century A.D. and completed in the 7^{th} century A.D. The authorship of this grammar is dubious. It is noted that this grammar is written by Sarvavarmāan or Kātyāyana or Āndhrabhṛtya Sātavāhana.

- * Raviṣeṇa's Padmacarita is the first Jaina Rāmāyaṇa written in Sanskrit. It is the exact Sanskritīzation of Vimalasūri's Paumacariya.
- * Jaṭāsimhanandi's Skt. Varāṅgacarita is a biography of Varāṅga, still it includes philosophy, ethics as well as conduct of monk and layman. It inspired further Varāṅgacaritas in Skt., Apa., Hindi and Kannad.

' Sai	mantabhadra	a and Ji	inadāsaga	ıņi-mahat	tara are	the	impressive	authors	of this	century.
****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

	Jaina-Literature: 8 th Century					
L G	WRITER	WORK	SUBJECT / FORM			
JŚ.	SwāmĪ Kārttikeyā	Kārttikeyā nuprekşā	दर्शन (PhilosophY)			
JŚ.	Anonymous	Pañca-samgraha	Philosophy (Karma)			
	Kārttikeya (Svāmī)	Kārttikeyānuprekṣā	Philosophy (Spiritual)			
JM.	Candrarși	Pañcasaingraha	Philosophy (Karma)			
	Haribhadra	Lagga-suddhi	Astronomy			
	(Yākinī-mahattarā-sūnu)	Sumina-sattari	Astronomy			
	Construction of the Constr	Devendra-narakendra-prakarana	Cosmology (Karaṇānuyoga)			
		Jambūdīva-saingahaņī	Cosmology (Karaṇānuyoga)			
		Uvaesa-paya	Didactics			
		Sammatta-sattari	Ethics (Householders' Conduct)			
		Sāvaya-paṇṇatti	Ethics (Householders' Conduct)			
		Sāvaya-dhamma-vihi	Ethics (Householders' Conduct)			
		Ţīkā on Pañca-sūtta	Ethics (Monastic Conduct)			
			(Comm.)			
		Pañca-vatthuga	Ethics (Monastic Conduct)			
		Pañcāśaka (with self-comm.)	Ethics (Monastic Conduct)			
		Vīsavīsīo	Ethics (Monastic and Householders' Conduct			
		Vīra-tthava	Eulogy (Stotra)			
		Samarāicca-kahā	Narratives			
		Samboha-payaraṇa (Tatta-payāsaga)	Poetical Composition (Prakarana)			
		Şoḍaśaka-prakaraṇa	Poetical Composition (Prakarana)			
		Dhuttakkhāṇa	Secular (Satirical)			
		Yoga-viṁśikā (Yoga-viṁśati)	Yoga			
		Yoga-śataka	Yoga			
	Uddyotana-sūri	Kuvalayamālā	Narratives (Prose + Poetry)			
	Oddyotana-suri	Kuvaiayamaia	Narratives (Prose + Poetry)			
Skt.	Abhayanandi	Ţīkā on Jainendra-vyākaraņa	Grammar (Comm.)			
	Akalaṅka	Ţīkā on Āpta-mīmaṁsā	Logic (Nyāya) (Comm.)			
		Laghīya-straya (with self-comm.)	Logic (Nyāya)			
		Nyāya-viniścaya	Logic (Nyāya)			
		Pramāṇa-saṁgraha	Logic (Nyāya)			
		Siddhi-viniścaya (with self-comm.)	Logic (Nyāya)			
		Ţīkā on Tattvārtha-sūtra (Tattvārtha-rāja-vārtika)	Philosophy (Comm.)			
	Aparājita-sūri	Ţīkā on Bhagavatī Ārādhanā (Vijayodayā)	Ethics (Monastic Conduct) (Dig.)			
	Dhaneśvarasūri	Śatruñjayamāhātmya	Legendary History			
	Haribhadra	Avacūri on Dasaveyāliya	Canonical Comm. (Śve.)			
		Ţīkā on Aņuogaddāra	Canonical Comm. (Sve.)			
		Ţīkā on Āvassaya	Canonical Comm. (Sve.)			
		Ţīkā on Dasaveyāliya	Canonical Comm. (Śve.)			
		Ţīkā on Jīvābhigama	Canonical Comm. (Sve.)			
		Ţīkā on Paṇṇavaṇā	Canonical Comm. (Sve.)			
		Ţīkā on Nandī	Canonical Comm. (Sve.)			
		Vṛtti on Piṇḍanijjutti (incomplete)	Canonical Comm. (Sve.)			
		vice our midamilaca (meamblese)	Canonical Comm. (5ve.)			

Jaina-Literature: 8th Century

L G	WRITER	WORK	SUBJECT / FORM
Skt.	Haribhadra	Dharma-bindu	Ethics (Householders' Conduct
		Samsāra-dāvānala-stuti	Euology (Stotra)
		Anekānta-jaya-patākā (with self-comm.)	Logic (Nyāya)
		Anekānta-vāda-praveśa	Logic (Nyāya)
		Aṣṭaka-prakaraṇa	Logic (Nyāya)
		Dvija-vadana-capeṭā	Logic (Nyāya)
		Sarvajña-siddhi	Logic (Nyāya)
		Şaţ-darśana-samuccaya	Logic (Nyāya)
		Śāstra-vārtā-samuccaya	Logic (Nyāya)
		Ţīkā on Nyāyāvatāra	Logic (Nyāya) (Comm.)
		Ţīkā on Nyāya-praveśa (of Diṅāga)	Logic (Nyāya)(Comm.)
		Loka-tattva-nirṇaya	Philosophy
		Paraloka-siddhi	Philosophy
		Tattva-taraṅgiṇī	Philosophy
		Ţīkā on Tattvārtha-sūtra (incomplete)	Philosophy (Comm.)
		Vṛttajāti-samucchaya	Metrics
		Ţīkā on Caitya-vandana-sūtra	Religious Conduct
		(Lalita – vistarā)	(Comm.)
		Brahma-siddhānta-samuccaya	Yoga
		Yoga-bindu	Yoga
		Yoga-dṛṣṭi-samuccaya	Yoga
	Jinasena	Harivamśa-purāņa	Mythology (Purāṇa)
	Siddhasena-gaņi	Ţīkā on Tattvārtha-sūtra	Philosophy (Comm.)
Apa.	Haribhadra	Nemiņāha-cariu	Biography (Carita)
	Svayambhū	Pauma-cariu	Biography (Carita)
		Harivamśa-purāṇa (Riṭṭhanemi-cariu)	Mythology (Purāṇa)
		Svayambhū-chandas	Metrics

Observations on 8th century - Jaina-Literature

- * Variety of subjects, languages and literary forms is remarkable in 8th century.
- * Jaina authors wrote on various subjects like Philosophy, Karma, Yoga, Grammar, Metrics, Legendary history, Religious conduct, Hymns, Astrology, Karaṇānuyoga, Canonical commentaries etc. They chose suitable literary forms according to the subjects.
- * We find the 8th century-Jaina-literature in four languages viz. JŚ., JM., Skt. and Apabhramśa. Jaina Śaurasenī and Apa. works are less than JM. and Sanskrit. JŚ. literature is less because Digambara Jaina authors prefer Sanskrit for their literary activities than Jaina Śaurasenī. Apabhramśa works are less because it is the starting period of Apa. era.
- * Two Digambara works retained the tendency of doctrinal and philosophical writings in Jaina Śaurasenī.
- * Akalanka (Dig.) and Haribhadra (Śve.) wrote Nyāya works in Sanskrit. Akalanka is the first and foremost Jaina logician who started the systematic discussion of Pramāṇas. In the true sense he is the 'Father of Jaina Logic.' He refuted the views of Dharmakirti who was a famous Buddhist logician.
- * Haribhadra lived just after Akalańka. Haribhadra was an all-rounder genius. He had equal proficiency over Sanskrit and Prakrits. Basically being a Brahmin, his contribution to Jaina Literature is unparallel. His impartial attitude and love for learning without any sectarian bias has brought him a good name in Jaina and non-Jaina circles. In his Nyāya works, Haribhadra's stress is more on Anekāntavāda. He wrote a commentary on the work of Diňnāga, who was a famous Buddhist logician.
- * Uddyotanasūri's Kuvalayamālā, traditionally known as a Campūkāvya is an encyclopedic lucid narrative full of historical, geographical, religious and cultural data. He mentions Haribhadra as his Guru. Kuvalayamālā is the excellent literacy masterpiece of this century.
- * The commentarial work on Tattvārtha is continued in this century.
- * Aparājitasūri wrote the first Sanskrit commentary on Digambara text Bhagavatī Ārādhanā. The Sanskrit commentaries on Kundakunda were written in later centuries. This fact indicates the antiquity of Bhagavatī Ārādhanā than Kundakunda.
- * Apabhramsa era starts from Svayambhū's Paumacariu and Rittnemicariu the tradition of Apa. Caritas is continued up to 17th century. Apabhramsa Caritas are composed mostly by Digambara authors of Southern India.

Newly started literary activities of this century

- 1] The first Sanskrit commentary on Digambara work is Bhagavatī Ārādhanā by Aparājita.
- 2] The first Prathamānuyoga works written in Apabhramsa i.e. Paumacariu and Harivamsa-purāna.
- 3] The first Legendary History, i.e. (Śatruñjayamāhātmya) of Dhaneśvara in Sanskrit.
- 4] The first systematic discussions of Pramāṇas in Jaina Logic, i.e. Pramāṇasaṁgraha of Akalaṅka.
- 5] The first metrical work in Apabhramsa i.e. Svayambhū-chandas.
- 6] The new style developed by Haribhadra of writing Sanskrit Canonical commentaries including Prakrit (JM.) stories.
- 7] Dhuttakkhāṇa the satirical work of Haribhadra inspired further authors to compose many such type of works titled Dharmaparīkṣā. Many Dharmaparīkṣās are found up till 18th century written in JM., Apa. and Sanskrit.
- * In short, we can conclude that alongwith Haribhadra, the contribution of Akalanka, Śvayambh \bar{u} and Uddyotana is quite remarkable in the 8^{th} century.

	Jaina-	-Literature : 9 th Cent	ury
L G	WRITER	WORK	SUBJECT / FORM
		Jain Literature 9 th Century	
JŚ.	Anonymous	Nimitta-pāhuḍa	Astronomy
	Vīrasena	Ţīkā on Şaṭkhaṇḍāgama (Dhavalā)	Philosophy (Comm.) (Dig
	Vīrasena & Jinasena	Ţīkā on Kasāya-pāhuḍa (Jayadhavalā)	Philosophy (Comm.) (Dig
JM.	Anonymous	Jīva-samāsa	Philosophy
	Bappabhaṭṭi	Tārāyaṇa	Anthology
	Dharmadāsa-gaņi	Uvaesa-mālā	Didactics
	Gargarși	Kamma-vivāga	Philosophy (Karma)
	Jayasimha	Dhammovaesamālā-vivaraņa	Didactics
	Nandișeņa	Ajiyasanti-tthava	Eulogy (Stotra)
	Śīlāṅka	Cauppanna-mahāpurisa-cariya	Biography (Carita)
Skt.	Anantavīrya	Ţīkā on Siddhi-viniścaya	Logic (Nyāya) (Comm.)
	Bappabhaṭṭi	Sarasvatī-stotra	Eulogy (Stotra)
	Dhanañjaya	Dvi-sa½dh¢na-k¢vya (Rāghava-pāṇḍavīya)	Epic
	, ,	Viṣāpahara-stotra	Eulogy (Stotra)
		Anekārtha-nāma-mālā	Lexicon
		Nāma-mālā	Lexicon
	Guṇabhadra	Uttara-purāṇa	Mythology (Purāṇa)
	·	Ātmānuśāsana	Philosophy (Spiritual)
	Jinasena	Jina-sahasra-nāma-stotra	Eulogy (Stotra)
		Mahāpurāṇa (Ādipurāṇa)	Mythology (Purāṇa)
		Pārśvābhyudaya (Samasyā-pūrti of Meghadūta)	Poetry
	Mahāvīrācārya	Gaṇita-sāra-saṁgraha	Maths (Gaņitānuyoga)
		Şaţtrimśikā	Maths (Gaņitānuyoga)
	Pālyakīrti	Kevali-bhukti-prakaraṇa	Poetical Composition
			(Prakaraņa)
		Strī-mukti-prakaraņa	Poetical Composition
			(Prakaraṇa)
	Śākaṭāyana	Dhātu-pāṭha	Grammar
		Śabdānuśāsana (with self-comm.) (Amoghavṛtti)	Grammar
	Śīlāṅka (Tattvāditya)	(Amognavřítí) Tīkā on Āyāra	Canonical Comm. (Śve.)
	James (Zuttruttiyu)	Ţīkā on Sūyagaḍa	Canonical Comm. (Sve.)
		Ţīkā on Jīva-samāsa	Philosophy (Comm.)
	Vidyānanda (Vidyānandī)	Āpta-parīkṣā	Logic (Nyāya)
	uj mamana (riuj ununu)	Patra-parīkṣā	Logic (Nyāya)
		Pramāṇa-parīkṣā	Logic (Nyāya)
		Satya-śāsana-parīkṣā	Logic (Nyāya)
		Ţīkā on Aṣṭaśatī (Aṣṭa-sahasrī)	Logic (Nyāya) (Comm.)
		T-1 V-1-1	Logic (Najana) (Comm.)

Ţīkā on Yuktyanuśāsana

Ţīkā on Tattvārtha-sūtra

(Tattvārtha-śloka-vārtika)

Paramappayāsu

Yoga-sāra

Apa.

Yogīndra (Yogīndudeva)

Logic (Nyāya) (Comm.)

Philosophy (Comm.)

Philosophy (Spiritual)

Yoga

Observations on 9th century - Jaina-Literature

- * In comparison with the 8^{th} century, more authors are involved in the literary activities of 9^{th} century, but total number of works is less.
- * Literature of this century pertains to JŚ., JM., Skt. and Apabhramśa. JŚ. works are only two but they are huge and monumental. Ṣaṭkhanḍāgama and Kaṣāyaprābhṛta are the sourcebooks (ākara-grantha) of Digambara writers. Vīasena and Jinasena wrote huge Jaina Śaurasenī commentaries on these most revered works in this century. These commentaries attained venerable position due to the important discourses on various philosophical and doctrinal subjects, especially on Karma-doctrine.
- * Sanskrit works are ample in number and variety of subjects is notable. Bappabhaṭṭi is an important historical personality of this century. His relationship with king Yaśovarman of Kānyakubja and Vākpatirāja (Bappairāya) of Gauḍa-deśa is discussed elaborately by the historians. We can get valuable information about Bappabhaṭṭi in Jaina legendary histories.
- * Vidyānanda and Anantavīrya continued the tradition of Nyāya works, started by Akalaṅka in 8th century. Commentary on Tattvārtha is written by Vidyānanda in Nyāya style. In scholarly field, Tattvārthaślokavārtika is much revered. Original and commentarial Sanskrit works on Nyāya written by Vidyānanda is the speciality of this century.
- * Śīlāṅka started a new tradition of writing Ardhamāgadhī Canonical commentaries in Sanskrit. For the better understanding of Ācārāṅga and Sūtrakṛtāṅga, these commentaries are very helpful. Later on, this tradition was continued by Navāṅgī Tīkākāra Abhayadeva.
- * Dhanañjaya's Sanskrit lexical works are important and the first of this type.
- * Jinasena, the revered Digambara poet wrote on Epic and Samasyāpūrti Kāvya on Meghadūta, titled 'Pūrśvābhyudaya'. He is the pioneer of classical Sanskrit writings in Jaina field. 'Samasyāpūrti' form of literature was imitated by many Śvetāmbara and Digambara writers up to 16th century. In these Jaina works, the mastery of the authors over Sanskrit is obviously seen, but these works lack in originality and creativity of literary forms and subjects.
- * Gaṇitasārasaṁgraha of Mahāvīrācārya is an often quoted remarkable work of Gaṇitānuyoga. This work is enumerated among the important works on Mathematics in Indian literature.
- * The Sanskrit works of Jinasena, Mahāvīrācārya, Guṇabhadra and Śākaṭāyana (all Dig. writers) were written under the patronage of Rāṣṭrakūṭa king-Amoghavarṣa. During 9th century Mānyakheṭa was a prominent centre of literary activity under the reign of Rāṣṭrakūtas.

*	Apabhraṁśa	flourished	as	a literary	language	from	10^{th}	century	onwards.	Apabhramsa
W	orks of this c	entury are	ver	y few.						

* In short, we can say that	almost all the	writers of this	century	produced	noteworthy
works in various languages	and subjects.				

Jaina-Literature : 10^{th} Century

L G	WRITER	WORK	SUBJECT / FORM
		Jain Literature 10 th Century	
JŚ.	Anonymous	Jaya-pāhuḍa	Astronomy
	Devasena	Laghu-naya-cakra	Logic (Nyāya)
		Bhāva-saṁgraha	Philosophy
		Damsaṇa-sāra	Philosophy
		Tattva-sāra	Philosophy
		Ārāhaņā-sāra	Religious Conduct
	Māilla-dhavala	Bṛhannaya-cakra	Logic (Nyāya)
	Ŗşiputra	Nimitta-śāstra	Prognostics
JM.	Devendra-sūri	Kālakācārya-kathānaka	Narratives
	Dhanapāla	Sāvaya-vihi	Ethics (Householders' Conduct
	-	Ŗşabha-pañcāśikā	Eulogy (Stotra)
		Vīra-thuī	Eulogy (Stotra)
		Pāia-lacchī-nāma-mālā	Lexicon
	Nanditāḍhya	Gāhā-lakkhaņa	Metrics
	Pradyumna-sūri	Mūlasuddhi-pagaraņa	Narratives
	Vijayasimha	Bhuvana-sundarī-carita	Biography (Carita)
	, ,		
Skt.	Anantakīrti	Bṛhat-sarvajña-siddhi	Logic (Nyāya) (Comm.)
		Laghu-sarvajña-siddhi	Logic (Nyāya) (Comm.)
	Asaga	Candraprabha-carita	Biography (Carita)
	-	Mahāvīra-carita (Vardhamāna-carita)	Biography(Carita)
		Śāntinātha-purāṇa	Mythology (Purāṇa)
	Dhanapāla	Ţīkā on Śobhana-stuti	Euology (Stotra)
		Tilakamañjarī	Narratives
	Guṇanandi	Śabdārṇava	Grammar
		(Enlarged Ed. of Jainedra-vyākaraņa)	
	Harișeņa	Bṛhat-kathā-koṣa	Collection of Narratives
	Indranandi	Ārādhanā-patākā	Religious Conduct
		Jvālā-mālinī-kalpa	Ritualistics
	Jambū-kavi	Maṇipaticarita (Munipaticarita)	Biography (Carita)
	Jayakīrti	Chandonuśāsana	Metrics
	Jayadeva	Jayadeva-chandas	Metrics
	Jayasena	Ţīkā on Pañcāstikāya	Philosophy (Comm.) (Dig.)
		Ţīkā on Pravacana-sāra (Tātparya-vṛtti)	Philosophy (Comm.) (Dig.)
		Ţīkā on Samaya-sāra	Philosophy (Comm.) (Dig.)
	Mahāsena	Pradyumna-carita-kāvya	Epic
	Ratnakīrti	Ţīkā on Ārādhanā-sāra	Religious Conduct (Comm.
	Siddharşi-gani	Upamiti-bhava-prapañca-kathā	Narratives (Allegoric)
		Śrīcandra-kevali-carita	Biography (Carita)
		Ţīkā on Uvaesa-mālā (Heyopādeyā)	Didactics (Comm.)
		Ţīkā on Nyāyāvatāra	Logic (Nyāya) (Comm.)
	Somadeva	Yaśastilaka-campū	Campūkāvya
		Nīti-vākyāmṛta	Ethics
	Vādirāja-sūri	Yaśodhara-carita	Biography (Carita)
	Vādirāja-sūri	Pārśvanātha-carita	Epic
		Ekībhāva-stotra	Eulogy (Stotra)

Jaina-Literature : 10^{th} Century						
L G	WRITER	WORK	SUBJECT / FORM			
Skt.	Vadhamāna-sūri	Ţīkā on Uvaesa-paya	Didactics (Comm.)			
Apa.	Devasena	Sāvaya-dhamma-dohā	Ethics (Householders' Conduc			
_	Dhanapāla	Satya-purīya-maṇḍana-Mahāvīrotsāha	?			
		Bhavisayatta-kahā	Narratives			
	Harișeņa	Dhamma-parikkhā	Secular (Satirical)			
	Padmakīrti	Pāsaṇāha-cariu	Biography (Carita)			
	Pușpadanta	Jasahara-cariu	Biography (Carita)			
		Ņāyakumāra-cariu	Biography (Carita)			
		Mahāpurāṇa				
		(Tisaṭṭhi-mahāpurisa-guṇālaṅkāra)	Mythology (Purāṇa)			
	Rāmasimha (Muni)	Pāhuḍa-dohā	Philosophy (Spiritual)			

Observations on 10th century - Jaina-Literature

- * In this century, Skt. works are ample. JM. and Apa. works are comparatively less. JŚ. works of this century are very few and mostly written by Devasena.
- * The tradition of writing on astronomical subjects in JŚ. is continued in this century by the work called Jayapāhuḍa.
- * Bṛhannayacakra and Laghunayacakra are probably the only two works on logic written in Jaina Śaurasenī.
- * It is noticed that the focus of Digambara literature in JŚ. is always on philosophical, doctrinal and astronomical subjects. Classical literature like epics, mythologies, biographies, narratives, legendary histories etc. is not found in Jaina Śaurasenī. Two reasons can be inferred in this matter (i) Digambaras were genuinely interested in philosophical and religious reflections and they never indulged in popular writings. (ii) Majority Digambara writers belonged to South India. Their mother-tongues were not belonging to MIA group of languages. Though they had acquired the writing-skills in Jaina Śaurasenī. It was difficult for them to produced classical literature in Jaina Śaurasenī.

From fourth century onwards, we find Skt. works of Digambaras, both philosophical as well as classical. Due to the proficiency in Skt. they were more comfortable with Sanskrit. Digambaras never tried Jaina Mahārāṣṭrī as their literary language because Śvetāmbaras were producing their literature in JM. right from fourth century onwards. The sectarian spirit did not allow them to write in Jaina Mahārāṣṭrī.

In the meantime, Apabhramśa was flourishing as a literary language. In the 8th century Svayambhū started writing Caritas and Purāṇas in Apabhramśa. In the 10th century, under the patronage of Amoghavarṣa, Digambara writers like Puṣpadanta, Hariṣeṇa, Padmakīrti, Devasena and Dhanapāla were engaged zealously in writing Purāṇas, Caritas and also narratives in Apabhramśa, which become the Prathamānuyoga literature of Digambaras. Ancient Kannaḍa works of this century are also found due to the royal patronage.

- * Among the JM. writers of this century, Devendra, Dhanapāla, Nanditāḍhya and Pradyumna are important. JM. works of this century are not many in numbers but the variety of subjects is remarkable.
- * Nanditāḍhya's Gahālakkhaṇa is the first work on Metrics which is written in Jaina Mahārāṣṭrī.
- * Devendra's narrative of Kālaka became so famous that in the later centuries, whole Kālaka literature was produced in JM. and Sanskrit.
- * The off-beat religious stories in Mūlaśuddhiprakaraṇa are very remarkable in their themes and presentation. The stories are very distinct from the traditional Prakrit stories found in

the commentaries.

- * Among the ample Skt. works of this century, Dhanapāla's Tilakamañjarī, Somadeva's Yaśastilakacampū and Hariṣeṇa's Bṛhatkathākoṣa are the most revered works in Jaina and also in non-Jaina fields. These works attained venerable position in the history of Indian Sanskrit literature.
- * Jayasena's Skt. commentaries on Kundakunda's important works are remarkable. It is very curious that in the 13th century, Amṛtacandra had written commentaries on the same works of Kundakunda.
- * It seems that the personality of Yaśodhara attained popularity from this century. Digambaras wrote biographies of Yaśodhara up till 18th century in Sanskrit and Apabhramśa.
- * Skt. Nyāya works of this century are very few and mostly commentarial.
- * Works on Metrics are written in JM. and Sanskrit.
- * We find JM., Skt. and Apabhramśa works of Dhanapāla in this century. The available history books provide baffling information about two or three Dhanapālas. After the minute observation we have come to the conclusion that Śvetāmbara Brahmin Paṇḍita Dhanapāla, contemporary of Bhoja wrote Tilakamañjarī in Skt. and lexicon (Pāialacchināmamālā) and stotras in Jaina Mahārāṣṭrī. The other Dhanapāla, born in Dhakkaḍa-vaṁśa was a Digambara belonging to Vaiśya caste and he wrote the famous Bhavisayattakahā in Apabhraṁśa.
- * Apabhramsa Dohā works of this century are very peculiar. Dohā metre attained popularity in 15th and 16th century and the devotional songs were composed in regional languages.
- * In short we may conclude that declining tendency of Religious, Philosophical and Nyāya works is seen in 10^{th} century. On the other hand, inclination towards classical literature is increasing.

Jaina-Literature: 11th Century L G WRITER WORK SUBJECT / FORM Jain Literature: 11th Century JŚ. Pañca-samgraha Philosophy (Karma) **Anonymous** Durgadeva Rittha-samucchaya Astronomy Nemicandra (Siddhānta-cakravartī) Cosmology (Karaṇānuyoga) Tilova-sāra Dravya-samgraha Philosophy Philosophy Gommața-sāra Philosophy Labdhi-sāra - Ksapaņa-sāra Jambuddīva-pannatti-samgaha Cosmology (Karaṇānuyoga) Padmanandi Padmasimha (Muni) Jnāna-sāra Yoga Abhayadeva **Ethics (Monastic Conduct)** Pañca-niyanthī IM. Bhāṣya on Nava-tatta-gāhā-payaraṇa **Poetical Composition** (Prakaraņa) (Comm.) Candaprabha-mahattara Vijayacanda-kevali-cariya Biography (Carita) Devacandra-sūri Śāntinātha-carita Biography(Carita) Nammayā-sundarī-kahā **Narratives Ethics (Householders' Conduct)** Devagupta-sūri Nava-paya-payarana Nava-tatta-payarana **Philosophy** Dhaneśvara Surasundarī-cariya Biography (Carita) Durgadeva Rittha-samuccaya Astronomy Guṇacandra-gaṇi Biography (Carita) Mahāvīra-cariya **Collection of Narratives** Kahā-rayaņa-kosa (JM + Apa.) Guṇapāla (Muni) Biography (Carita) Jambū-cariya Jinacandra-sūri Samvega-rangaśālā **Narratives** Jineśvara-sūri **Ethics (Householders' Conduct)** Chatthana-payarana (Prakarana) Kathā-koṣa-prakaraṇa **Collection of Narratives** Nirvāņa-līlāvatī-kathā (Not available) **Narratives** Pañcaliṅgī-payaraṇa **Poetical Composition** (Prakarana) Jinavallabha Pinda-viśuddhi **Ethics (Monastic Conduct)** (Abhayadeva-sūri-śişya) Ullāsikkama-thava Eulogy (Stotra) **Poetical Composition (Kulaka)** Dvādaśa-kulaka Āgamiya-vatthu-viyāra-sāra (Chāsīi) Philosophy Sārdha-śataka **Philosophy** Şada-sīti Philosophy (Karma) Maheśvara-sūri Nāna-pañcamī-kahā **Narratives** Anantanāha-cariya Nemicandra (Devendra-gaņi) Biography (Carita) Biography (Carita) Mahāvīra-cariya Rayanacūdarāya-cariya Biography (Carita) Tīkā on Uttarajjhayana (Sukhabodhā) Canonical Comm. (Sve.) Ātmabodha-kulaka Poetical Composition (Kulaka) Akkhāṇaya-maṇi-kosa **Narratives** Śānti-sūri (Vādivetāla) **Poetical Composition** Jīva-viyāra-payaraņa (Prakarana) **Religious Conduct** Ceiya-vandana-mahā-bhāsa

Jaina-Literature: 11th Century

L G	WRITER	WORK	SUBJECT / FORM
ΙM.	Sumati-sūri	Jinadattākhyāna	Biography (Carita)
	Siddhasena	Cūrņi on Jīyakappa	Canonical Comm. (Śve.)
	Vīrabhadra	Ārāhaṇā-paḍāyā	Religious Conduct
Skt.	Abhayadeva	Prajnāpanā-tṛtiya-pada-saṁgrahaṇī	Canonical Comm. (Śve.)
		Vṛtti on Antagaḍadasā	Canonical Comm. (Śve.)
		Vṛtti on Aṇuttarovavāiya	Canonical Comm. (Śve.)
		Vṛtti on Nāyādhammakahā	Canonical Comm. (Śve.)
		Vṛtti on Paṇhāvāgaraṇa	Canonical Comm. (Śve.)
		Vṛtti on Samavāya	Canonical Comm. (Śve.)
		Vṛtti on Ṭhāṇa	Canonical Comm. (Śve.)
		Vṛtti on Uvavāiya	Canonical Comm. (Śve.)
		Vṛtti on Uvāsagadasā	Canonical Comm. (Śve.)
		Vṛtti on Vivāga	Canonical Comm. (Śve.)
		Vṛtti on Viyāhapaṇṇatti	Canonical Comm. (Sve.)
		Bhāṣya on Chaṭṭhaṇa-payaraṇa	Ethics (Householders' Conduc
			(Comm.)
		Ţīkā on Pañcāśaka	Ethics (Householders' Conduc
			(Comm.)
		Aşṭaka-prakaraṇa	Logic (Nyāya)
		Vāda-mahārņava	Logic (Nyāya)
		Tīkā on Sanmati-tarka	Logic (Nyāya) (Comm.)
		Bhāṣya on Saptatikā	Philosophy (Karma) (Comm
		Paramātma-prakāśa	Philosophy (Spiritual)
	Anantavīrya	Ţīkā on Pramāṇa-saṁgraha	Logic (Nyāya) (Comm.)
	,	Ţīkā on Siddhi-viniścaya	Logic (Nyāya) (Comm.)
	Anonymous	Kathānaka-koṣa	Collection of Narratives
	Amitagati	Subhāṣita-ratna-samdoha	Anthology
		Śrāvakācāra (Upāsakācāra)	Ethics (Householders' Conduc
		Tīkā on Bhagavatī Ārādhanā	Ethics (Monastic Conduct)
		(Maraṇa-karaṇḍikā)	(Comm.)
		Pañca-samgraha	Philosophy (Karma)
		Sāmāyika-pāṭha	Religious Conduct
		Dharma-parīkṣā	Secular (Satirical)
		Yoga-sāra	Yoga
	Buddhisāgara-sūri	Pañca-granthī (Śabdalakṣma) (MS.)	Grammar
	Cāmuṇḍarāya	Cāritra-sāra	Ethics (Monastic Conduct)
	Dayāpāla (Muni)	Ţīkā on Śākaţāyana-vyākaraṇa	
		(Rūpa-siddhi)	Grammar (Comm.)
	Dāmanandi	Purāṇa-sāra-samgraha	Legendary History
	Droṇācārya	Ţīkā on Ohanijjutti	Canonical Comm. (Śve.)
	Jineśvara-sūri	Tīkā on Asta-prakaraņa	Logic (Nyāya) (Comm.)
		Pramā-lakşma (with self-comm.)	Logic (Nyāya) (Comm.)
	Jinavallabha	Saṅgha-paṭṭaka	Ethics
	,	Nandīśvara-stavana	Euology (Stotra)
	Kṛṣṇamiśra	Prabodha-candrodaya	Drama
	Mallişeņa	Mahāpurāṇa	Mythology (Purāṇa)
		Nāga-kumāra-kāvya	Laghukāvya

Jaina-Literature: 11th Century

L G	WRITER	WORK	SUBJECT / FORM
Skt.	Mallișeņa	Bhairava-padmāvatī-kalpa	Ritualistics
		Jvālinī-kalpa	Ritualistics
		Kāmacāṇḍālī-kalpa	Ritualistics
		Sarasvatī-mantra-kalpa	Ritualistics
	Mānikya-nandi	Parīkṣā-mukha	Logic (Nyāya)
	Namisādhu	Ţīkā on Kāvyālaṅkāra	Poetics (Comm.)
		Ţīkā on Āvassaya (Pratikramaņa)	Religious Conduct
	Oḍayadeva (Vādībhasiṁha)	Kṣatra-cūḍāmaṇi	Biography (Carita)
		Syādvāda-siddhi	Logic (Nyāya)
		Gadya-cintāmaņi	Biography (Carita) (Prose)
	Prabhācandra	Ārādhanā-satkathā-prabandha	
		(Ārādhanā Kathā-kośa)	Collection of narratives
		Ţīkā on Ratna-karaṇḍa	Ethics (Householders' Conduct)
			(Comm.)
		Ţīkā on Bhagavatī Ārādhanā	Ethics (Monastic Conduct)
		(Ārādhanā-pañjikā)	(Comm.)(Dig.)
		Ţīkā on Daśabhakti (Kriyā-kalāpa)	Eulogy (Stotra) (Comm.)
		Ţīkā on Jainendra-vyākaraņa	
		(Śabdāmbhoja-bhāskara)	Grammar (Comm.)
		Śākaṭayana-nyāsa	Grammar (Comm.)
		Ţīkā on Laghīya-straya	
		(Nyāya-kumuda-candra)	Logic (Nyāya) (Comm.)
		Ţīkā on Parīkṣā-mukha	
		(Prameya-kamala-mārtaṇḍa)	Logic (Nyāya) (Comm.)
		Akalaṅka-kathā	Narratives
		Ţīkā on Pravacana-sāra (Saroja-bhāskara)	Philosophy (Comm.)
		Ţīkā on Samaya-sāra	Philosophy (Comm.)
		Tattvārtha-vṛtti-pada-vivaraṇa	Philosophy (Comm.)
		Ţippaṇa on Mahāpurāṇa	Short notes on Epic
		Ţīkā on Samādhi-śataka	Yoga (Comm.)
	Śānti-sūri (Vādivetāla)	Ţīkā on Uttarajjhayaṇa (Śiṣyahitā)	Canonical Comm. (Śve.)
		Ţīkā on Nyāyāvatāra (Vārttika)	Logic (Nyāya) (Comm.)
		Ţippaṇa on Tilakamañjarī	Short notes on Narratives
	Śubhacandra	Jnānārṇava	Ethics (Monastic Conduct)
	Śrutakīrti	Ţīkā on Jainendra-vyākaraņa (Pañca-vastu)	Grammar (Comm.)
	Simha-sūri	Loka-vibhāga	Cosmology (Karaṇānuyoga
	Sūrācārya	Neminātha-carita	Biography (Carita)
		(Nābheya-nemi-dvisandhāna)	(Anekārthika)
	Somadeva (Muni)	Tīkā on Sabdārnava	Grammar (Comm.)
		(Śabdārṇava-candrikā)	
	Vīranandi	Candraprabha-carita-mahākāvya	Epic
		_	==
Apa.	Abhayadeva	Jaya-tihuyaṇa-stotra	Eulogy (Stotra)
	Dhavala	Harivaṁśa-purāṇa	Mythology (Purāṇa)
	Kanakāmara	Karakaṇḍa-cariu	Biography (Carita)
	Nayanandi	Sudamsaņa-cariu	Biography (Carita)
		Sakala-vidhi-vidhāna-kahā	Ritualistics
	Śrīcandra	Kaha-kosu	Collection of Narratives

Jaina-Literature: 11 th Century			
L G	WRITER	WORK	SUBJECT / FORM
Apa.	Śrīcandra	Ratnakaraṇḍa-śāstra	Narratives
	Vīra	Jambū-sāmī-cariu	Biography (Carita)

Observations on 11th century - Jaina-Literature

- * 11th century Jaina-literature pertains to JŚ., JM., Skt. and Apabhramśa. JŚ and Apa. works are comparatively less. JŚ works are dedicated to philosophical subjects, while Apa. works are mostly biographies and narratives. Śvetāmbara authors continued their JM. writings enthusiastically. The number of Skt. works is very high due to the contribution of both sects, viz. Śvetāmbara and Digambara. The variety of subjects found in Skt. works is remarkable.
- * After a lull of 200 years, Digambara authors wrote valuable treatises in JŚ. pertaining to Philosophy and Cosmology. Digambara sect prospered in 11th and 12th century in Karnatak with the royal support of Gaṅga dynasty. Cāmuṇḍarāya, the chief minister of King Rācamalla (4th) took initiative in creating and consecrating the famous statute of Bāhubalī Gomaṭeśvara at Śravaṇabelagola in Karnatak. The first Marathi inscription is found at the foot of this statue. With the full royal support, Nemicandra (Siddhānta-cakravartin) wrote his important Philosophical works in Jaina Śaurasenī. Cāmuṇḍarāya wrote a Vṛtti on Gommaṭasāra in Kannaḍa language. This Vṛtti is enumerated among one of the oldest Kannaḍa texts.
- * JM. works of 11th century mostly contain Caritas, Narratives and Prakaraṇas. Philosophical works and works dedicated to Logic are almost none in Jaina Mahārāṣṭrī.
- * Śvetāmbara and Digambara writers prepared the collections of Didactic Narratives in JM., Skt. and Apabhramśa.
- * Prabhācandra's Ārādhanā-kathākoṣa (Skt.) and Śrīcandra's Kahakosu (Apa.) were based on the stories related to Bhagavatī Ārādhanā, following the footsteps of Skt. Bṛhatkathākoṣa of Hariṣeṇa written in the 10th century.
- * Abhayadeva is a versatile literary personality of 11th century. He belongs to Kharatara Gaccha. He is very famous as 'Navāṅgī Ṭīkākāra'. Śīlāṅka wrote commentaries on Ācārāṅga and Sūtrakṛtāṅga. Abhayadeva wrote commentaries on nine Aṅga canons and one Upāṅga viz. Aupapātika. Malayagiri continued Abhayadeva's tradition in the 12th century by writing commentaries on all Upāṅgas. Abhayadeva also wrote commentaries on the works dedicated to logic, ethics and philosophy.
- * Two famous commentaries on Uttarādhyayana are written in this century. Śāntyācārya's Skt. commentary is very useful for understanding the text. Nemicandra's (Devendra's) 'Sukhabodhā' is distinct and popular due to various narratives written in Jaina Mahārāṣṭrī.
- * Amitagati, the well-known Digambara author wrote on Householders and Monastic conduct, Rituals, Karma theory, Yoga, Satirical work and prepared an Anthology in Sanskrit.

- * Prabhācandra, the Digambara logician was a follower of Māṇikyanandi. The actual Pramāṇa-yuga started from Prabhācandra's works on Logic. Though he is famous as a commentator, he acquired an important position in Indian logic and philosophy. He also wrote commentaries on the works dedicated to grammar, ethics and Yoga.
- * Śubhacandra's Jñānārṇava attained an esteemed position in the history of Skt. literature. Jñānārṇava is an encyclopedic work on Jaina philosophy, ethics and Yoga.
- * There are two Jineśvaras in the 11th century, both belonging to Kharatara Gaccha. The first one wrote Prakaraṇas and the second one was a logician.
- * Malliṣeṇa's ritualistic works dedicated to various deities are very peculiar of this century. It seems that in this century, Jaina's religious practices took new mode in deity-worship.
- * Nayanandi wrote Sakalavidhividhānakathā in Apabhramśa. In the later period Digambara Bhaṭṭārakas started their writings on various rituals, mantras and $p\bar{u}j\bar{a}s$.
- * Namisādhu wrote commentary on Rudraṭa's Kāvyālaṅkāra. Namisādhu had given a naive etymology of the word 'Prākṛta' (see Introduction: Pāiyasaddamahaṇṇavo p.24)
- * Kṛṣṇamiśra's Prabhodhacandrodaya is the first Skt. drama written by a Jaina writer.
- * Maheśvarasūri's Jñānapañcamīkathā strated the tradition of Vratakathās in Jaina literature.
- * In short, we may conclude that Digambara authors viz. Nemicandra (Siddhānta-cakravartin), Amitagati and Prabhācandra are very active in this century. Among Śvetāmbara authors, Abhayadeva and Nemicandra (Devendragaṇi) had left distinctive marks on this century. The literary activities of Kharatara Gaccha started from this century and lasted up to the 18th century.